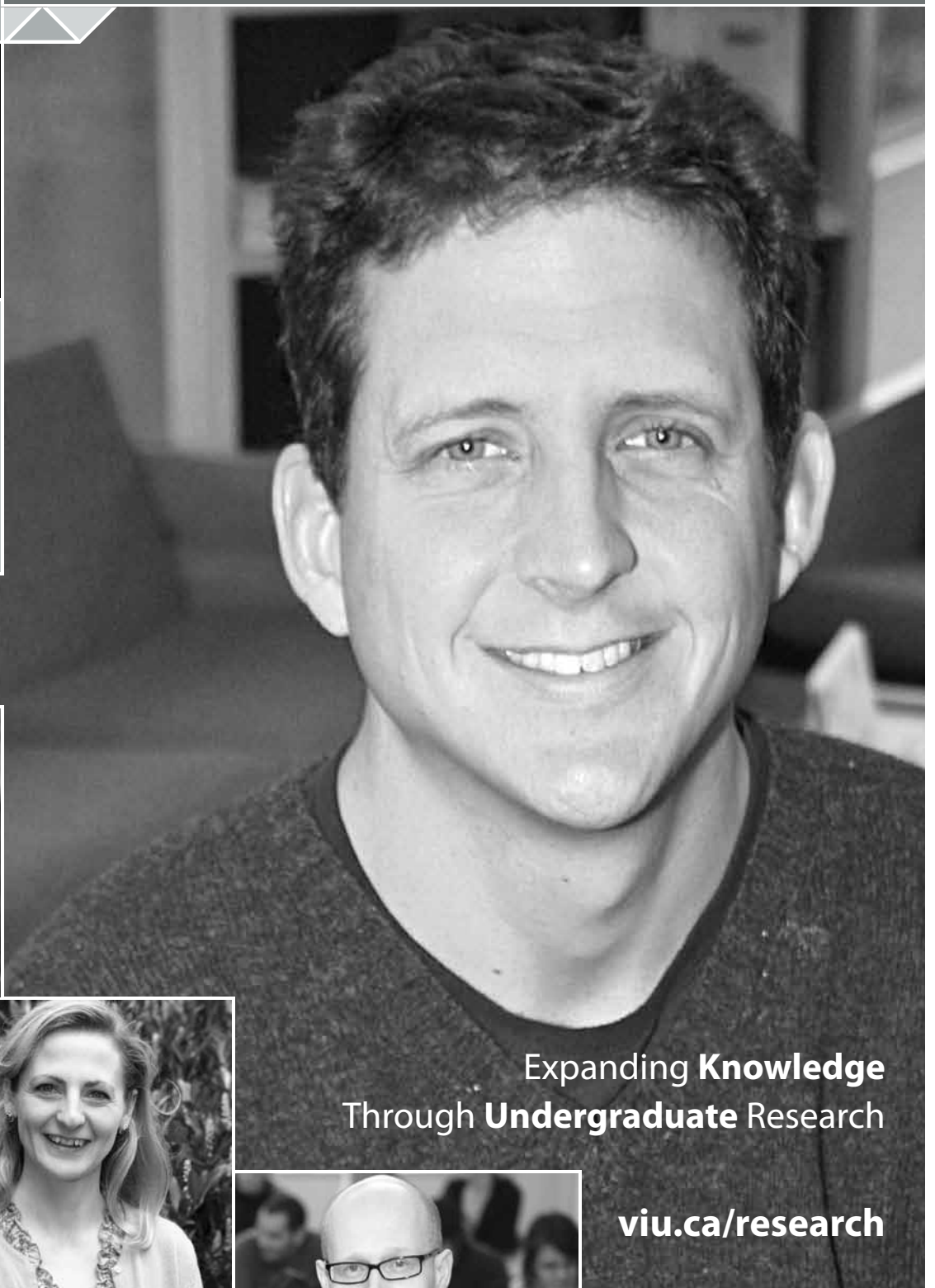




VANCOUVER ISLAND
UNIVERSITY

Research & Scholarly Activity

2008-09



Expanding **Knowledge**
Through **Undergraduate** Research

viu.ca/research



Message from the Vice-President, Academic

Welcome to the 2008-09 Research and Scholarly Activity Annual Report. Once again, I am astonished by and truly proud of what Vancouver Island University (VIU) faculty and student researchers have accomplished this past year in the area of research and scholarly activity.



This publication is a testament to the remarkable depth, breadth, and diversity of research underway at our institution. It also demonstrates our commitment, not only to knowledge creation, but also to knowledge mobilization for the benefit of the people of our region. Research

not only provides powerful learning, but is also a catalyst for growth and prosperity in our communities.

At Vancouver Island University we recognize that early involvement in research helps students cope with complexity

in a challenging world, enabling them to grapple with significant questions and to exercise leadership. It also motivates many of our students to pursue graduate studies.

These are just a few of the reasons VIU takes very seriously its commitment to providing valuable undergraduate research experiences and opportunities, and we are pleased to be recognized internationally as a leader in this area.

Vancouver Island University is well positioned to maintain and enhance our academic excellence by providing and offering new and innovative programs and research opportunities at both the undergraduate and graduate levels. Our dedicated faculty are known for taking under their wings undergraduate students, from first year to fourth year, demonstrating what it takes to be a professional researcher and to achieve academic excellence.

On behalf of Vancouver Island University, my heartfelt thanks goes to all our faculty members and student researchers for another successful year of conducting original and creative research and for your contributions to the University and the people of our region. It is through your efforts and ingenuity that Vancouver Island University's research profile will continue to grow regionally, nationally, and internationally.

Leslie King, Ph.D.
Vice-President Academic
Vancouver Island University

Contents

- 4 Research and Scholarly Activity
- 37 Research and Scholarly Activity Committee Awards 2008–2009
- 38 Student Research Awards
- 40 Student Research Projects
- 45 Student Travel and Conference Awards Awarded by the VIU STAR Committee
- 46 Research Centre, Institute and Laboratory Activities
- 52 BCGEU Long Term Assisted Professional Development Leaves 2008–2009/2007–2008
- 53 VIUFA Leaves Awarded in Fiscal 2008–2009
- 56 Internal Research Grants
- 59 BCGEU Professional Development Committee Grants 2008–2009
- 59 Faculty and Staff Travel and Study Abroad Grants 2008–2009
- 60 Faculty Travel and Conference Grants 2008–2009
- 62 Committee Membership 2008–2009

Research and Scholarly Activity at Vancouver Island University

The following is a listing of some of the research and scholarly activities that faculty and staff of Vancouver Island University (VIU) have engaged in during the past year. The information was supplied by each individual for publication in the Internal Annual Report via the online Research and Scholarly Activity Database, which can be accessed at www.viu.ca/research.

Faculty of Arts and Humanities

Art

GREGORY BALL

Exhibition

A solo exhibition of 12 large original graphite drawings at the Haida Gwaii Museum at Kay'lnagaay April 17 to May 2, 2009. Nathalie Macfarlane, museum director, said a juried committee from the Haida Gwaii Museum's visual arts committee selected visual art professor Gregory Ball's proposal based on the relevancy of his artist statement to Haida Gwaii, the originality of his artistic process and his professional qualifications.

FRAN BENTON

Other Activities

One Less Orchid

A documentary on the depletion of the Garry Oak Meadows on the west coast of British Columbia. The film focuses specifically on the damage done in the western communities of Victoria around the municipality of Langford.

Cat-Spin

A short film created from archival 8 mm film mixed with contemporary digital film clips.

JANE COLE

Book

E. J. Hughes – The Man and his Art. Nanaimo: Nanaimo Art Gallery, 2009

A picture book overview of the art and life of renowned Canadian painter Edward John Hughes. The book served as a companion catalogue for the Nanaimo Art Gallery's exhibition of Hughes' drawings and paintings.

Exhibition

Guest curator of the exhibition *E. J. Hughes – The Man and his Art* for the Nanaimo Art Gallery Society. Planned and organized the exhibit which comprised over 50 art pieces focusing on subjects from southern Vancouver Island. This exhibit coincided with the City of Nanaimo's unveiling of the Hughes' mural *Malaspina Sketching the Malaspina Galleries* (1938). The mural, rescued from the former Malaspina Hotel by the Nanaimo Community Archives, was restored with funds from the City. Curatorial work is an important area of study for art students, whether they become artists, teachers, or curatorial professionals.

VIU Collaborators: VIU Foundation

DR. JUSTIN MCGRAIL

Other Activity

"Value Space: An Architectural Geography of New Retail Formats on Southern Vancouver Island"

A Ph.D. dissertation considering the impact of big-box stores on urbanism and everyday life in Nanaimo, North Cowichan, Duncan, Langford, and Victoria. The study uses an inter-disciplinary approach that combines architectural history, urban geography, and the sociology of consumption, to argue that big-box stores are key engines and emblems of contemporary urban development. The theories of Henri Lefebvre, especially 'the production of space, directed much of this research and were used to affirm the complex social context of big-box stores in relation to the production, consumption, and reproduction of urban space. Justin McGrail (Art History) completed his Ph.D. at the University of Victoria, successfully defending his dissertation in April 2009.

PAMELA SPEIGHT

Exhibition

The Arts of Momentum: Contemporary Works by Chinese and Canadian Artists

A survey of 12 Vancouver Island artists and 12 Shanghai artists, which showed the diversity of visual art practices, and the influence of geography and culture on contemporary art. Two of Pamela Speight's oil on canvas paintings, "Cluster 3" and "Cluster 4" were selected for this exhibition, which was funded by the Ministry of Canadian Heritage, Status of Women and Official Languages. Li Lei, Executive Director of the Shanghai Art Museum, curated this November 2008 exhibit at the Nanaimo Conference Centre.

Other Activity

Exhibition adjudicator

One of two professional artists invited by the Nanaimo Arts Council in January 2009 to adjudicate and provide written critiques for the juried exhibition "Blue" (the theme and predominant colour of the works included).

Creative Writing and Journalism

RHONDA BAILEY

Books

Edited a mystery novel, *Never Sleep With a Suspect* by George Szanto and Sandy Frances Duncan, for TouchWood Editions: Victoria, 2009. First book in a new series, Islands Investigations International.

Developed two new books as series editor for The Quest Library Canadian biography series: *James Wilson Morrice: Painter of Light and Shadow* by Wayne Larsen and *Glenn Gould: A Musical Force* by Vladimir Konecny. Published by Dundurn Press: Toronto, 2009.

Professional Service

Served as a juror to select the Trade Non-Fiction Book of the Year for the 2009 Alberta Book Publishing Awards. Evaluation is based on publishing-related skills, as the award is presented to a publisher.

MARILYN BOWERING**Conference Presentation**

Participated in *Words On Water Festival*, March 27, 2009 in Campbell River. Participation included panel presentation, readings, and performance of a commissioned poem.

Thesis Supervision

Outside supervisor for MFA student writing a play for her MFA thesis, University of Guelph (June–August).

Other Activities

Programmed and directed *Poets on Campus Reading Series* (Sept/08–March/09). Some readings were liaised with outside VIU venues.

VIU Collaborators: VIU Faculty Association; Creative Writing and Journalism; Communications and Public Relations; undergraduate student Emily Smythe

Fiction reading to undergraduates, faculty and general public at Kwantlen University on February 12, 2009.

Fiction and poetry reading to undergraduates, faculty, and general public at University of the Fraser Valley on March 26, 2009.

Participated/performed in improvisational reading/dance collaboration and benefit for Suddenly Dance Company on October 23, 2008.

Conducted writers' workshop: *Using the Techniques of Poetry in Writing Fiction*, and gave public readings for the communities of Rossland, Selkirk College, and Kootenay School of Writing (Nelson) September 25–28, 2008.

Commissioned writing for CanadaCode project, an interactive online cultural project for Vancouver 2010 Olympics.

Other Publication

Rocksalt: Anthology of British Columbia Poetry

Eds. Mona Fertig and Harold Rhenisch

As a contributing poet, participated in the November 15, 2008 launch of this anthology.

Professional Service

Acted as mentor for Banff Writing Studios program (*Fiction*—two-week program), May 2009.

DR. KEVIN ROBERTS**Book**

She'll be Right. Pilot Hill Press Saltspring Island 1988

A novel reviewed in Amazon.com.

Other Publication

Published poems in *Adirondack Review*, New England, and *Afro American Journal*, New York. A poem "Mah Fung" has been accepted for an International Collection of Poetry edited by Dr. V Ramraj of the University of Calgary for Broadview Press. A short story, "Masque" was recently published in the University of Western Australia's literary magazine, *Westerly*.

English**DR. MATTHEW BEEDHAM****Articles**

"Meneseung"

Facts on File Companion to the British Short Story and Short Fiction

Ed. Andrew Maunder. New York: *Facts on File*, 2007

"Increasing Productivity and Reducing Stress: The Role of Self-Assessment in Student Writing"

Professional Studies Review. Volume 3, Number 1: 2007; 10-18

An examination of the different stages of the writing process arguing for the benefits of assigning self-assessments for all writing-related tasks, and

describing specific tasks that self-assessments can target. Despite appearing infrequently on course outlines, self-assessments are a valuable tool, providing writers with a record of successful challenges to difficult tasks, productive and non-productive writing strategies, and the creation of individualized heuristics. Finally, although the benefits of self-assessments occur throughout the writing process, requiring students to write them forces them to confront their writing abilities over time.

"Alice Munro"

Facts on File Companion to the British Short Story and Short Fiction

Ed. Andrew Maunder. New York: *Facts on File*, 2007

Book

The Novels of Kazuo Ishiguro: A Reader's Guide. London: Palgrave Macmillan, 2009

A guide outlining critical response to the novels of this popular contemporary author, and an examination of the most significant, which entails an exploration of themes central to Kazuo Ishiguro's works, such as narration, memory, and ethics.

DR. DANIEL BURGOYNE**Book**

Academic Writing: An Introduction, 2nd Edition. Broadview Press:

Peterborough, 2009

Co-authors: Janet Giltrow, Richard Gooding, and Marlene Sawatsky

An introduction for first-year post-secondary students to the conventions of academic writing, this second edition reflects current research on genre and research writing.

Chapter

"Self-referentiality (textual and genetic mirroring)"

The Encyclopedia of Literary and Cultural Theory: Volume II, Literary Theory from 1966 to the Present

Ed. Robert Eaglestone (forthcoming from Blackwell)

A survey of self-reference in sociology, philosophy and mathematics, psychoanalysis, art and literature, and popular culture. Special attention is given to cybernetics and recursion with attention to narrative and communications.

VIU Collaborator: Undergraduate student Ashleigh Moody

Conference Presentations

"Oothoon's Diverse Joy: Blake's Stedman Engravings"

16th Annual North American Society for the Study of Romanticism (NASR) held in Toronto, August 2008

A paper linking William Blake's engraving "Europe Supported by Africa and America", with his "Visions of the Daughters of Albion". The former, one of William Blake's most recognized depictions of diversity, was produced for Joseph Johnson's 1796 edition of John Gabriel Stedman's *Narrative of a Five Years Expedition against the Revolted Negroes of Surinam*. This is one of the most reproduced images from the romantic period; the latter is the minor prophecy most directly informed by Stedman's narrative.

"Cultural Inversions of Belief: The Lost World of James De Mille's *A Strange Manuscript Found in a Copper Cylinder*"

Victorian Studies Association of Ontario/ACCUTE, May 2009, at Carleton University, Ottawa

A paper borrowing from innovations associated with steam punk, involving anachronistic technologies, to explain how James De Mille reveals the mechanics of literary production, the techniques and sources consulted by author or trickster. *A Strange Manuscript Found in a Copper Cylinder* shares a common tendency with other Victorian lost-world romances to flirt with the idea of the literary hoax. While De Mille displaces a complex set of anxieties on Orientalist constructions of the imagined other, he also

maps a process of cultural inversion, a crisis in belief, involved with the telling of his story.

VIU Collaborator: Undergraduate student Jan Beecher

"Kristeva, the Abject and Powers of Horror"

Panel discussion of Julia Kristeva's *Powers of Horror: An Essay on Abjection* at the Congress of the Humanities and Social Sciences, Ottawa, Ontario, May 24, 2009

VIU Collaborators: Dr. Richard Lane; Dr. Frances Sprout

"Blake's 'Bright Sculptures': Illuminated Printing and Print Culture"

Arts & Humanities Open House: An introduction to William Blake's engraving and illuminated printing processes, May 5, 2009

VIU Collaborators: Ross MacKay; Gregory Ball; Steve Lane

Other Publication

"To be Surprised Every Day"

An omnibus review of David W. McFadden's *Why Are You So Sad? Selected Poems* (Insomniac Press) and George McWhirter's *The Incorrection* (Oolichan Books), *Canadian Literature*, 2009.

Paper

"Blakean Abject: Powers of Horror & The [First] Book of Urizen"

A lecture given as part of the first seminar meeting of the 2008–2009 Literary Theory Research Group.

Other Activity

Literary Theory Research Group

Seminar for Advanced Studies in the Humanities

Focusing on theorist, feminist and psychoanalyst Julia Kristeva (as well as her book *Powers of Horror* and her concept of the abject) the 2008–2009 seminar for advanced studies in the humanities at VIU welcomed guest speakers from UBC and UVIC. Introductory lectures were given by Richard J. Lane and Daniel Burgoyne. Seminars were conducted throughout the year, and involved VIU faculty, students, Elder College and other community members. The year concluded with a panel discussion at the Congress of the Humanities and Social Sciences in Ottawa.

VIU Collaborator: Richard J. Lane

TERRI DOUGHTY

Conference Presentation

"'Live like a Story': The Fairy Tales of Angela Carter and Francesca Lia Block"

Delivered at The Fairy Tale after Angela Carter: A Conference to Mark the 30th Anniversary of The Bloody Chamber, April 22–25, 2009, at the University of East Anglia, Norwich, UK

A paper outlining how Francesca Lia Block continues the work of Angela Carter by locating the spaces between stories, engaging all of the messy and uncomfortable polymorphousness of living liminally, and calling into question normative gender prescriptions. With the growth of the young adult literature market since the publication of *The Bloody Chamber*, Block's work presents adolescent girls with updated tools to examine how they are positioned as objects and how they might position themselves as subjects who are, as Carter says, 'nobody's meat'.

Other Activities

"The Child and the Book 2009: This Land is Our Land"

Co-organized this international post-graduate student conference held at VIU May 1–3, and chaired a session entitled "Children, Land, and National Identity."

VIU Collaborators: Dr. Dawn Thompson; Virginia MacCarthy; Heather Pastro; Carolyn Bowles; undergraduate Jennifer McDonald

Served on the organizing committee for the annual BookFest: The Vancouver Island Children's Book Festival, which brings noted Canadian authors and illustrators of literature for children to Nanaimo.

Other Publications

A review of *Moulding the Female Body in Victorian Fairy Tales and Sensation Novels*, by Laurence Talairach-Vielmas that appeared in *Bronte Studies* 33 (2008): 262–263.

Dictionary of Nineteenth-Century Journalism

Nine articles, on authors B. A. Crackanhorpe, Sarah A. Tooley, Sarah Trimmer, L. T. Meade, and Randolph Caldecott; and on periodicals *The Girl's Own Paper*, *Lady's Realm*, *the Young Lady's Journal*, and *the Children's Friend*, appear in this reference work, published jointly by the British Library and Academia Press in 2008. In 2009 this work was added to ProQuest's C19: The Nineteenth Century Index.

A review of "*Powers of the Press: Newspapers, Power, and the Public in Nineteenth-Century England*", by Aled Jones that appeared in *Bronte Studies* 34.1(2009): 88–89.

Professional Service

A board member for Nanaimo Community Archives.

DR. SANDRA HAGAN

Book

The Brontës in the World of the Arts. Ashgate: Aldershot, Eng., 2008

Co-edited with Juliette Wells (Manhattanville College, New York)

An inter-disciplinary collection of essays exploring the role of the visual arts, music, theatre, and material culture in the work of Charlotte, Emily, Anne, and Branwell Brontë, as well as later artists' re-imaginings of the Brontës' work. The essays, written by scholars representing a range of artistic disciplines, include practicing artists.

VIU Collaborator: undergraduate research assistant

Chapter

"An Uneasy Marriage: Edmund Dulac, Lucy Snowe, and the Illustration of *Villette*"

The Brontës in the World of the Arts. Ashgate, 2008. 169–195

A chapter discussing the interplay between Lucy Snowe's visually controlled narrative and French painter Edmund Dulac's illustrations of Charlotte Brontë's novel. As *Villette*'s 'first' reader, Dulac alters the story for subsequent readers.

VIU Collaborator: undergraduate research assistant

Conference Presentation

"Untying the Knot: Charlotte Brontë and Amy Levy Co-Write a Happy Ending for Single Women"

Eighteenth- and Nineteenth-Century British Women Writers Conference, in Iowa City, U.S.A., April 2009

A paper examining the unusual imaginative community created between unmarried writers Charlotte Brontë and Amy Levy, with a focus on their shared quest for happiness. The paper covered Brontë's early Victorian novel *Villette* (1853) and Levy's late Victorian 'New Woman' novel *The Romance of a Shop* (1888).

Other Activity

Bright Lights Book Nights

Co-founded with Dale Wik (Writing Centre) and Clay Armstrong (English), this community book club brought together English Department faculty and interested readers from the Nanaimo area. Over the past four years, faculty led community members in discussion of fiction, memoir, travel writing, and essay collections on topics ranging from the environment to psychology. This year, two community members – artist Jan Smart and publisher/potter Peggy Grigor – served as guest presenters.

Other Publication

A review in *Bronte Studies* 34.1 (2009) of *Victorian Animal Dreams: Representations of Animals in Victorian Literature and Culture*. Ashgate, 2007. Ed. Deborah Denenholz Morse and Martin A. Danahay

DR. RICHARD LANE**Books**

Image Technologies in Canadian Literature: Narrative, Film and Photography. Lang: Germany, 2009

A collection of academic essays, co-edited with Professor Carmen Concilio, University of Turin, Italy. A joint VIU–University of Turin intellectual co-operation initiative. Essays in the book are written by Canadian and Italian academics, including the following professors from VIU department of English: Frances Dr., Keith Harrison, and Ron Bonham.

Jean Baudrillard, Second Revised and Expanded Edition. Routledge, London and New York, 2009

A fully revised and expanded second edition of a book, which explains postmodernism and Jean Baudrillard's thought. New chapters cover terrorism and Baudrillard's later work on postmodernism. Additional material includes coverage of architectural theory and urbanism in relation to the Utopie Group. There is an updated annotated bibliography, as well as an updated index.

VIU Collaborator: Undergraduate student Holly K. Knox

Chapters

"Dialectical Images in Canada: Joseph Dandurand, Stan Douglas and the Conjectural Order"

A chapter in the co-edited book *Image Technologies in Canadian Literature* (Concilio & Lane, editors). The chapter examines Canadian First Nations author Joseph Dandurand, and the Canadian photographer, film-maker and writer, Stan Douglas, using a theory developed by Richard J. Lane called 'The Conjectural Order' (See chapter in Grace and Wasserman, eds., *Theatre and Autobiography*, Talon, 2006).

VIU Collaborators: Undergraduate research assistants

"Canada: The Year's Work in English Studies"

An annual analytic bibliographical review of all significant academic publications on Canadian literature and criticism published in English. The chapter is published in *The Year's Work in English Studies*, volume 87, University of Leicester: The English Association and Oxford University Press, 2008.

VIU Collaborator: Undergraduate research assistant

"Culture"

A chapter in the book *The Baudrillard Dictionary*, Edinburgh University Press and Columbia University Press, edited by Professor Richard G. Smith, Swansea University.

"Cool Memories"

A chapter in the book *The Baudrillard Dictionary*, Edinburgh University Press and Columbia University Press, edited by Professor Richard G. Smith, Swansea University.

"Clones, Cloning"

A chapter in the book *The Baudrillard Dictionary*, Edinburgh University Press and Columbia University Press, edited by Professor Richard G. Smith, Swansea University.

Conference Presentation

"Revisiting and Reassessing Frances Brooke's Role in the History of Canadian Literature"

A paper delivered at ACCUTE, Congress of Humanities and Social Sciences, Carleton University, Ottawa, May 2009. Expanding on the author's paper for Chawton House, UK, this presentation develops the application of the abject to Frances Brooke's novel *The History of Emily Montague*.

"The Aleatory Space of Dangerous Sports: Performance, Improvisation & the Conjectural Order"

A paper delivered at the Power Play: Improvisation and Sport conference, University of British Columbia and Coastal Jazz, Irving K. Barber Learning

Centre, Feb 6–7, 2009, sponsored by SSHRC. Drawing upon the theory of the Conjectural Order, developed in 2006 in relation to the gendered space of auto/biographical performance, the author argues that dangerous sports are tied-in with the re-staging of identity, and that it makes more sense to talk about intensities and 'unmaking' in Kristeva's sense (significance; the semiotic; the abject) than ethical abandonment. The author defines the Conjectural Order as the third space of auto/biographical performance, which crosses Lacan's Imaginary and Symbolic orders. An example of the latter would be the re-staging of the subject in the improvisatory space of Surrealist automatic writing, which can liberate or oppress the subject.

Other Activities

Humanities Interdisciplinarity Research Group Occasional Speaker Series

Working in conjunction with the VIU Library, on March 27, 2009 the Humanities Interdisciplinarity Research Group hosted visiting speaker Professor Laurie Ricou, from the Department of English, University of British Columbia. Ricou's paper was called Out of the Field Guide: Teaching the Bioregion, and involved discussion of transdisciplinary pedagogy and research, with focus on eco-criticism in the Pacific Northwest region.

Chawton House Visiting Research Fellowship

Research Fellow at The University of Southampton, Chawton House Research Library, Hampshire, UK, during Spring 2009. The main research project undertaken during this fellowship is a re-assessment of Frances Brooke's role as the first novelist in Canada and the related cultural and intellectual contexts within Canada and the UK during this period. Activities include writing a paper for the Chawton House Library journal and giving a presentation as well as research for the author's forthcoming monograph, *A History of Canadian Literature* (Routledge, UK).

"Kristeva, the Abject and Powers of Horror"

Co-chair, with Dr. Daniel Burgoyne, of the Literary Theory Research Group's concluding event for the 2008–2009 Seminar for Advanced Studies in the Humanities lecture and seminar series, focusing on Julia Kristeva. Location: ACCUTE, Congress of Humanities and Social Sciences, Carleton University, Ottawa, May 2009.

VIU Collaborators: Dr. Daniel Burgoyne; Dr. Frances Sprout

Reader Reports

Academic reviewer and reader for Routledge, UK, focusing on forthcoming academic publications in the Humanities.

Invited Scholar, Green College

Invited scholar in residence at Green College, UBC, to host visiting scholar Dr. John Caputo, the Thomas J. Watson Professor of Religion & Humanities, and Professor of Philosophy, Syracuse University, Syracuse.

Papers

"Exploring Kristeva: A Theoretical Overview, With a Brief Journey through the Abject"

A paper which introduces and explains key aspects of the work of Julia Kristeva, with focus on her theory of the abject. The paper was the first in a series of talks at The Seminar for Advanced Studies in the Humanities, Literary Theory Research Group, VIU.

"Frances Brooke & the Contested Origins of the Canadian Novel: A Narrative in Many Parts"

A paper delivered April 29, 2009 at Chawton House Research Library, Hampshire, University of Southampton, UK., re-assessing Brooke's role as a formative, feminist voice at the beginnings of Canadian literature. Drawing upon contemporary feminist scholarship, the paper argues the need to position her more centrally in a revised history of Canadian literature. This will involve re-assessing Brooke's strategic choices in her genre-shifting approach to literary production in England and Canada, as well as the ways in which the novel *The History of Emily Montague* is in itself a highly transgressive text.

Research Projects

Investigating the Cultural Reception to Frances Brooke's *The History of Emily Montague*: UK and Canada

A project researching period specific journals, popular periodicals, and archival materials concerning the publication and cultural reception of Frances Brooke's *The History of Emily Montague*. Locations: The British Library, London, and Cambridge University Library, Cambridge, UK, April–May 2009.

Interdisciplinary and Transdisciplinary Models in Literary Accounts of First Nations Residential School Experience

An examination of the use of interdisciplinary and transdisciplinary models of research in the study and understanding of the Canadian First Nations Residential School experience, as articulated and represented in literary and non-literary texts. Project partner is Professor Deborah Madsen, Chair of American Studies, The University of Geneva.
VIU Collaborator: Undergraduate student Phil Laven

DR. CYNTHIA MASSON**Article**

"'But She Was Naked! And All Articulate!': The Rhetoric of Seduction in *Firefly*"

An analysis, using classical and medieval rhetorical theory, of the language of seduction in Joss Whedon's television series *Firefly*. The essay forms part of the scholarly collection *Investigating Firefly and Serenity: Science Fiction on the Frontier*. Ed. Rhonda V. Wilcox and Tanya R. Cochran. New York: I.B. Tauris, 2008.

Book

The Elijah Tree. Rebel Satori Press, 2009

The Elijah Tree is the story of a young boy who is birthed in the fire of a mystical vision. *The Elijah Tree* can be read simply as the story of women dealing with loss and abandonment who find solace through the love of a young child. Or it can be read as a mystical allegory of the relationship between an absent or ineffable god and the prayer, scripture, or prophecies that, nonetheless, call the individual to faith.

Conference Presentations

"What a Crazy Random Happenstance": Destiny and Free Will in *Dr. Horrible's Sing-Along Blog*"

An analysis of the conflict between free will and destiny in Joss Whedon's Internet film *Dr. Horrible's Sing-Along Blog*. It was presented at Reeling in the Years: 30 Years of Film, TV and Popular Culture (Southwest Texas Popular Culture and American Culture Association Conference), Albuquerque, New Mexico (February 25–28, 2009).

"What the Hell? *Angel's* 'The Girl in Question'"

An analysis of an episode of the television series *Angel* in terms of existential and absurd theatre. The presentation won the award for 'Best Paper' at the Slayage Conference on the Whedonverses 2008, Henderson State University, Arkansas (June 5–8, 2008).

DR. KATHARINA ROUT**Other Activities**

Artist in Residence at the Banff International Literary Translators Centre (BILTC)

The annual BILTC is unique in North America and is designed to allow literary translators from Canada, the United States, and Mexico, as well as translators who work on authors from any of these countries, to concentrate on their projects under ideal conditions, exchange ideas with colleagues, and receive support from faculty who are senior translators themselves. This translator worked on *The Gray Earth*, the second of Galsan Tschinag's autobiographical novels. *The Gray Earth* follows the publication

of *The Blue Sky* in 2006 and is slated for publication with Milkweed Editions (Minneapolis) in 2009.

Professional Development and Translation Services for a Project in Mongolia

Attended Contemporary Mongolia: Transitions, Development and Social Transformation (Nov. 2008, UBC), the first international, multi-disciplinary conference on Mongolia in North America. Benefits included an opportunity to discuss collaboration with Simon Wickham-Smith, the only other English translator of Mongolian fiction, and net-working with social scientists interested in working with Mongolia author Galsan Tschinag. Since the conference, the researcher has translated into English Galsan Tschinag's plans to use the Galsan-Tschinag Foundation (Germany) to reforest parts of the Altai Mountains and areas near the Mongolian capital Ulaanbaatar, and has formed a team of researchers and environmental activists that now includes Americans from Montana University and Yale University.

Other Publication

Tschinag, Galsan. 'Excerpts from *The Gray Earth*'

Trans. Katharina Rout. MANOA 20:2 (Winter 2008): 51-65

Excerpts from the Mongolian writer Galsan Tschinag's autobiographical novel, *The Gray Earth*, for a special issue of *Manoa* on 'Enduring War: Stories of What We Have Learned,' edited by Frank Stewart.

JAY RUZESKY**Articles**

A review of George Elliot Clarke's *Trudeau: Long March, Shining Path* (Kentville NSL Gaspereau P, 2007) and Daniel MacIvor's *I Still Love You: Five Plays* (Toronto: Playwrights Canada P, 2006) in *The Malahat Review* 162 (Spring 2008).

A review of Daphne Marlatt's, *The Given* (Toronto: McClelland and Stewart, 2008). Paperbound, 120 pp.; Daphne Marlatt, Robert Minden and Carla Hallett, *Like Light Off Water* (Vancouver: Otter Bay Productions). Audio CD, 28 min.; Don McKay, *Songs for the Songs of Birds* (Tors Cove, NL: Rattling Books). Audio CD, 78 min.; David O'Meara, *Noble Gas*, Penny Black (London, ON: Brick Books). Paperbound, 70 pp.; and Sue Sinclair, *Breaker* (London, ON: Brick Books). Paperbound, 96 pp.

A review of Lynne Van Luven and Bruce Gillespie editors, *Nobody's Father: Life Without Kids* (Surrey, B.C.: Touchwood Editions, 2008) in *The Malahat Review* 165 (Spring 2009).

A review of Philip Kevin Paul, *Little Hunger* (Gibson's BC: Nightwood, 2008) in *The Goose* 5.1 (Spring 2009).

Books

The Green Imagination

Guest Editor of *The Green Imagination: A Special Issue of The Malahat Review*

The Wolsenburg Clock. Thistle-down Press: Saskatoon, 2009

A story of the obsession of a man desperately trying to save an ancient artefact while Second World War bombs fall around him, and the obsession of the builders of the clock.

Other Activities

Public poetry reading at Claremont High School.

Student poetry workshop at Victoria High School.

Introductory Lecture on 'John Newlove and Canadian Poetry' for the premier of the film *What to Make of it All: The Life and Poetry of John Newlove*, Artspring, Saltspring Island, BC, April 2008.

Other Publication

"While You Were Out"

Poem in ARC magazine (Winter 2008).

TONI SMITH**Professional Development**

Successfully defended dissertation, "Uniquely Suited to this Place: The Discourse of Scottishness in Twentieth Century English Canada," and earned doctorate degree from the Department of English and Film Studies at the University of Alberta.

DR. FRANCES SPROUT**Article**

"Ghosts, Leaves, Photographs, and Memory: Seeing and Remembering Photographically in Daphne Marlatt's *Taken*"

Image Technologies in Canadian Literature: Narrative, Film, and Photography Ed. Carmen Concilio and Dr. Richard J. Lane. Peter Lang, 2009

Conference Presentations

"Picturing the End: Ekphrasis and the Fictional Photograph in Elegiac Narratives"

International Society for the Study of Narrative annual conference, in Birmingham, UK, June 2009

"It Was Held to Be Shameful . . . : The Abject and/in Martin Allerdale Grainger's *Woodsmen of the West*"

Association of Canadian College and University Teachers of English (AC-CUTE) at CONGRESS, Ottawa, May 2009

CRAIG TAPPING**Article**

"no longer a pronoun: reading Daphne Marlatt"

Introduction to Daphne Marlatt, *At the River's Mouth: Writing Migrations*. Gustafson Poetry Chapbooks. Vancouver Island University: Institute for Coastal Research, 2009

An introduction at a well-attended public event that served both as homage to the poet and introduction for the audience, some of whom were unacquainted with the poetry. The chapbook, a high quality production, will be in most libraries across North America, given Marlatt's prestige and critical acclaim, and will enhance both VIU's and the Gustafson Trust's reputations.

VIU Collaborators: ICR; Rhonda Bailey; undergraduate students

Board/Committee Work

The English Department Colloquium Series

Organized and prepared, for the second year, the monthly presentation by colleagues in the English Department. These regular colloquia take the form of presented papers, roundtable discussions, or collaborative presentations and have frequently used a variety of media to showcase the research, pedagogy and private passions of researchers and scholars in the English Department. Audiences have been consistently good (20-40), and have included many students and several members of the university community and the general public.

VIU Collaborators: English; English Students Association; Human Rights Office

The Annual Ralph Gustafson Poetry Trust Distinguished Poet's reading and visit to VIU

Organized, planned and introduced the October 23, 2008 public reading by Daphne Marlatt, *At the River's Mouth: Writing Migrations*. Organized and co-ordinated musical performance by Robert Minden Duo with Marlatt of the world premiere and launch of CD, "Like Light Off Water: Daphne Marlatt's *Steveston*."

VIU Collaborators: Richard Arnold; Daniel Burgoyne; Rhonda Bailey; Frank Moher; Bill Pennell; Steve Lane; undergraduate Jessica Legacy

Conference Presentation

"Speaking Yoruba on Vancouver Island: Wole Soyinka's *Death and the King's Horseman* in the classroom"

An exploration of how watching theatre conventions and observing performative aesthetics mitigate the textual urge to 'explain' how contemporary, post-colonial theatre operates via critical theory and inter-cultural ethnographies. The paper argues that – based on classroom experience at VIU – students far away from Nigeria, geographically and imaginatively – can easily comprehend the operatic dynamics of Soyinka's almost 'oral' theatre. Issues of cultural relativism and the dynamics of cultural interfaces are also explored. Presented at special, plenary session on Applied Literature in a Conservative World, sponsored by the Association for Bibliotherapy and Canadian Association for Commonwealth Literary and Language Studies. June 2, 2008.

VIU Collaborators: undergraduate students

Research Project

Death and the King's Horseman

Attended, thanks to a Travel Grant from VIU, the National Theatre (UK)'s landmark/anniversary performance of Wole Soyinka's *Death and the King's Horseman* in London, April 2009, meeting with several UK-based African scholars, former colleagues from Nigeria, the cast (the first Black company – Nigerians, West and East African, and Caribbean actors – to play at the National Theatre), and director. The trip allowed some research at London University's School of African and Oriental Studies, and two impromptu roundtable seminars. This research/travel grant will be acknowledged in a forthcoming study of the transformations of oral culture into contemporary dramatic forms in Soyinka's theatrical work: text and performance. VIU Collaborators: Undergraduate students; Dr. Katharina Rout; Jeannie Martin

DR. LYNN WYTENBROEK**Paper**

A paper presented at the Canadian Association of Studies in International Studies (CASID) at the Learned's in Ottawa in May, 2009. Entitled Asking the Wolf to Mind the Sheep: The Clash between the Corporate Agenda and the Human Right to Food; the paper examined the responses of the economic governance bodies, and the UN, to the current global food crisis.

First Nations**DR. KEITH SMITH (cross-appointment with History)****Book**

Liberalism, Surveillance, and Resistance: Indigenous Communities in Western Canada, 1877–1927. Edmonton: Athabasca University Press, 2009

An interrogation, through comparative case studies of Southern Alberta with the regions that became the interior of British Columbia, of the use of surveillance as a strategy by which Canadian liberalism excluded Indigenous people from many of the benefits it purported to extend, and which many non-Indigenous Canadians took for granted.

Other Publication

A review of *Creating a Modern Countryside: Liberalism and Land Resettlement in British Columbia* by James Murton for the *Canadian Historical Review* 89, 4 (December 2008).

DR. HOPE LEITH**Board/Committee Work**

Co-chair, for 2009–2010, of the Standing Committee on Languages Articulation, a committee of BCCAT, the British Columbia Council on Admissions and Transfer. SCOLA is made up of teachers of languages, including indigenous languages, from all post-secondary institutions in British Col-

umbia. All the Modern Languages instructors at VIU participated in this year's SCOLA meeting.

Other Activity

Member of the French Editorial Board of the *Canadian Bulletin of Medical History*, published twice a year for the Canadian Society for the History of Medicine.

History

DR. PATRICK DUNAE

Articles

"Nanaimo's Modern History"

BC Studies, Nos. 156/157 (Winter/Spring 2007/2008)

A review of *Harbour City: Nanaimo in Transition, 1920–1967* (2006) by Jan Peterson and a commentary on heritage conservation in Nanaimo.

"Geographies of Sexual Commerce & the Production of Prostitutional Space: Victoria, BC, 1860–1914"

A publication in the *Journal of the Canadian Historical Association* selected from conference papers presented at the CHA's annual meeting in 2008. The essay combines methodologies from the Humanities and Social Sciences with the theoretical constructs of Henri Lefebvre in examining the geography and economic significance of the sex trade in Victoria during the nineteenth and early part of the twentieth century. This study is a tentative step towards mapping moral geographies and placing them within a broader temporal, societal, spatial, and theoretical framework.

VIU Collaborators: Undergraduate research assistants

"Towards a Theory of Good History through Gaming"

Canadian Historical Review, vol. 90, no. 2 (June 2009)

Co-authored with Kevin Kee (Brock University), Andrew Large (McGill University), and John Lutz (UVIC)

A discussion of the promise of teaching history using gaming and digital immersive environments (i.e. virtual historical worlds). The essay developed from a SSHRC Image, Text, Sound & Technology research project.

"Sex, Charades and Census Records: Locating Female Sex Trade Workers in a Victorian City"

Histoire sociale/Social History, vol 51 (November 2009) [forthcoming]

An essay, using Victoria, British Columbia as a case study, showing how female brothel keepers and brothel prostitutes can be identified on manuscript census schedules from 1891 and 1901, and how the records can delineate the geography of sexual commerce in a Victorian city. In the process, the essay raises questions about the prima facie value of aggregate census data.

Conference Presentations

"Nanaimo's educational heritage"

An illustrated presentation on the history of education in Nanaimo since 1853 given as a key-note address to the city's annual heritage summit, a conference of heritage and urban development organizations, 19 February 2009. Theme for British Columbia's annual "Heritage Week" in 2009 was A Legacy of Learning. The Heritage of Education.

"Teaching History through the Prism of the Census"

Co-authored with John Lutz (University of Victoria)

A presentation to the 88th annual general meeting of the Canadian Historical Association, Carleton University, Ottawa, 25 May 2009.

"Locating Sites of Sexual Commerce: A Geography of the Sex Trade in a Victorian City"

A presentation to the annual meeting of the Canadian Historical Association, in a session entitled Regulating Sexuality at UBC on 4 June 2008. A revised version of this conference paper was subsequently chosen for publication in the *Journal of the Canadian Historical Association*.

"Locating Sites of Sexual Commerce: A Geography of the Sex Trade in Victoria, BC, 1861–1911"

A research paper presented to the annual meeting of the Canadian Historical Association, UBC, 4 June 2008.

"Reconstructing a Harbour City in the Pacific Northwest with GIS: Nanaimo in the 1890s"

A research paper presented to the Historical Geography Network of the Social Science History Association, Chicago, 16 November 2007.

"Locating Race in the Queen City: Towards a GIS of Racial Space in Victoria, BC, 1891"

Co-authors: Jason Gilliland (University of Western Ontario) and John Lutz (UVIC)

A presentation to a joint session of the Canadian Association of Geographers and the Canadian Historical Association, Carleton University, Ottawa, on GIS and Urban History, 27 May 2009.

VIU Collaborators: undergraduate research assistants

Thesis Supervision

Ph. D. thesis Scarlet and Khaki, Fire and Steel

External examiner for a Ph.D. thesis, relating to imperialism and popular culture in Britain, submitted to SFU.

M. A. dissertation: BC Professional Land Surveyors

Outside reader for a Masters of Arts candidate in History at the UVic.

M. A. dissertation: Girls' Private Schools on Vancouver Island

Outsider reader for a Masters of Arts candidate in History at the UVic.

Professional Service

City of Victoria Heritage Working Group

Invited by the City of Victoria Planning Department and Heritage Planning Office to join a group of working professionals advising on the process of adding new buildings to the city's official heritage inventory. The group has met on several occasions in 2008 and will continue to meet at regular intervals in 2009.

Research Project

HistorySpace Project

A project that brings together humanities scholars experimenting with 'information rich virtual environments' (IRVEs) that express combinations of textual, graphic, sonic information' in digital 3-D forms. The project is funded by the National Endowment for the Humanities [NEH] at the University of Illinois with a 2 year grant for \$250,000. In concert with scholars from the Institute for Computing in Humanities at the University of Illinois, the University of San Diego, and Brock University in Ontario, Dr. John Lutz (UVic) and the Dr. Dunae (VIU) will continue to build on their Virtual Victoria research project.

Turning Space Inside Out: An Historical Geography of Race in 19th Century Victoria, BC

A three-year SSHRC funded project, now in its second year, investigating race and space in Victoria, BC. The Primary Investigator is Dr. John S. Lutz (UVic); the co-researcher Dr. Jason Gilliland (University of Western Ontario). Six undergraduate students from VIU are currently employed as research assistants.

Virtual Victoria: Constructing a Digital 3-D Model of 19th Century Victoria

A project, in its final year, funded by a 2 year SSHRC Image, Sound, Text & Technology grant. The overall project is entitled Simulating History: The Best Practices for History Simulations Project. The Primary Investigator is Dr. Kevin Kee at Brock University. Dr. Dunae (VIU), with another co-researcher, Dr. John Lutz (UVic), is building a 3-D model of central Victoria, c. 1891 with the help of students who have expertise in Google Sketch-Up software.

VIU Collaborators: Undergraduate research assistants.

DR. CHERYL WARSH**Article**

"Feminine Modernity in Interwar Britain and N.A.: Corsets, Cars & Cigarettes"

Journal of Women's History, 20, 3 (Fall 2008): 113-43

Co-author: Penny Tinkler

Books

Prescribed Norms: Women and Health in Canada and the U.S. since 1800.

Broadview/ University of Toronto Press: Toronto, 2010

Gender, Health and Popular Culture: Historical Perspectives. Wilfrid Laurier University Press: Waterloo, 2010

Chapters

"Gladys: Take Your Medicine! Menopause in N.A. Popular Culture since 1800"

In *Women, Wellness and the Media*

Ed. Margaret C. Wiley

Cambridge Scholars Publishing: Newcastle, 2008

"Vim, Vigor and Vitality: Power Foods for Kids in Canadian Popular Magazines, 1914–1954"

In *Edible Histories, Cultural Politics: Towards a Canadian Food History*

Eds. Franca Iacovetta, Valerie Korinek, Marlene Epp

University of Toronto Press: Toronto, 2010

Thesis Supervision

External examiner for Molyneaux, H., Doctorate, University of New Brunswick

Gender Representation in Canadian Medical Association Journal advertisements in the 1950s & 1960s

Professional Service

Since 1997, Editor-in-Chief, *The Canadian Bulletin of Medical History*, an international journal. Awarded \$81,000.00 SSHRC Aid to Scholarly Publications Grant, 2009–2012.

Interior Design**MAUREEN MACDONALD****Professional Development**

Master's in Art Education candidate at the University of Victoria

Media Studies**ROBIN DAVIES****Conference Presentation**

"i send data live"

A discussion of performance techniques and compositional methodologies in electronic music, in collaboration with Adam R. Tindale. Delivered at Text, Media, and Improvisation in Montreal, June 22, 2008.

DR. MARSHALL SOULES**Book**

The Revolution Continues. Publisher: TBA

A book of photography and commentary on the propaganda of Cuba circa 2006–2009.

VIU Collaborator: Undergraduate Matt Jamont

Curriculum Development

BA Major in Digital Media Studies

Developed curriculum and degree proposal for a BA major degree in Digital Media Studies, approved by the Ministry of Advanced Education in December 2009. This degree will be offered at VIU in Fall 2009.

VIU Collaborators: Doug Stetar; Media Studies Department faculty and students; Arts and Humanities Chairs

Production/Performance

Nanaimo Global Film Festival

On the production team for a three-day film festival held at VIU. Production involved community members, students, volunteers, VIU faculty. Involved in program selection, promotion, and planning. Provided funding for scholarships – through the Media Research Lab – and technical support with student research assistants.

Be the Media

Production Dates: February 2008 to March 20, 2009

Participant, consultant, and financial support for an award-winning film by Chad Schroter-Gillespie and Nick Middleton. Technical support provided by the Media Research Lab.

Music**GREGORY BUSH****Conference Presentation**

"Jazz Criticism Action Research Project: If Jazz Musicians Improvise Why Can't Critics?"

Co-presenter at a jazz conference at the Leeds College of Music in England. VIU Collaborator: Tom Delamere

Exhibitions

VIU Jazz Concert Series

Various jazz concerts and workshops held throughout the 2008–09 school year.

VIU Collaborators: Music Department faculty

The Arrowsmith Big Band Presents The Compositions and Arrangements of Greg Bush

A concert presented by the Arrowsmith Big Band on January 21 at the VIU theatre.

VIU Collaborators: Music Department faculty

Nanaimo Musician's Association Big Band

Performed with Nanaimo Musician's Association Big Band at the West Coast Jazz Festival.

Professional Development

Public Musical Performances

Performed in the community and composed and arranged music for local groups.

Professional Service

The Georgia Straight Big Band

Music Director of the Georgia Straight Big Band in Courtenay, a community big jazz band.

Workshop

Adjudicated the Nanaimo Middle School Music Festival.

PATRICK CARPENTER**Professional Development**

Cityscape

Cityscape was commissioned by the Nanaimo Chamber Orchestra under the City of Nanaimo Cultural Capitals of Canada 2008 Grant of \$6,000.

Cityscape, a divertimento for strings, is a musical portrayal (a codifying in sound) of the spirit of the City of Nanaimo. The movements of the piece are titled: 1. Larghetto 2. Adagio 3. Improvisatory 4. Vivace. The world premiere performance of *Cityscape* was at Nanaimo's Port Theatre on Sunday, November 30, 2008.

BRYAN STOVELL

Community Based Education

Music Fest Canada National Finals

Chair of the Concert Band Division of Music Fest Canada National Finals, held in Toronto this year. About 10,000 music students in bands and choirs from Ucluelet to St. Johns participate in a week-long National Festival.

Workshop

Easy Steps to Walking Bass

A workshop for school music teachers at the BC Music Educators' Conference in Vancouver on November 8, 2008.

Spanish

DR. ANA MARIA DONAT

Board/Committee Work

VIU Research Awards Committee (VIURAC) member, representing Arts and Humanities, from August 2007 to September 2009.

Book

Encounters and Profiles of a Painter and a Playwriter: The Arts Revisited

A book in progress on two acclaimed Spanish artists, a painter and a playwright, examining the work and artistic activities that impacted and influenced their contemporaries and future generations.

Other Activity

Designed third and fourth-year courses enabling students to graduate for the first time with a minor in Spanish. These courses included Spanish Literature, Spanish Poetry, Spanish Golden Age Theatre, and Spanish Contemporary Theatre. June 2009.

Professional Development

Panellist/Consultant in the "Introductory Spanish Focus Group" sponsored by McGraw Hill-Ryerson Publishers Along with seven other colleagues from selected post-secondary institutions across Canada, panellists reviewed chapters of a Spanish introductory level text book to be published in 2010, discussed findings, made suggestions, shared best practices and teaching techniques in the classroom, and made recommendations.

On-going member of MLA (Modern Languages Association); AIH (Association of International Hispanists); ACH (Association of Canadian Hispanists); ISSOTL (International Association for the Scholarship of Teaching and Learning); Centro Virtual Cervantes, (Sponsored by the Cervantes Institute); Alessandro Malaspina Research Centre (VIU); SCOLA (BCCAT – Society of BC for the Articulation and Transfer of Post Secondary Education Language courses and studies).

Attended 2009 Annual General Meeting of SCOLA (Standing Committee on Language Articulation).

Professional Service

Founder, sponsor and Honorary President of the VIU Spanish Club. For the past nine years, the club has offered students and the larger community opportunities to practice Spanish and learn more about Hispanic culture through movies, cine forums, cooking nights, dances, and other cultural exchanges. Everyone is welcome.

Project

Designed a field trip to Spain, Summer 2008, offering students language practice and courses related to their minor in Romance Languages – Spanish. These were third and fourth-year courses, from Spanish Language to

Spanish Literature, and Spanish Culture and Civilization. As a result of this trip, one student obtained one of few positions open to Canadian students to work as a Teaching Assistant in a Spanish School. This program, sponsored by the Ministry of Education and Science of Spain, and administered through the Spanish Embassy in Canada, is designed to broaden the cultural liaisons and enrich the experience of students studying Spanish language and culture in Canadian universities.

Theatre

ROSS DESPREZ

Production/Performance

Good Timber: Songs and Stories of the Western Logger

A workshop development project adapting poetry written by west coast loggers into stage readings and songs. A full theatrical presentation is planned for the spring of 2010. A preview can be seen at YouTube, *Good Timber*.

Good Timber: Songs and Stories of the Westcoast Logger

An original stage production of logger poetry featuring the writings and collections of Robert E. Swanson adapted into songs and readings. Created and directed by Ross Desprez, Artistic Director of The Other Guys Theatre Company, in 2009.

ELIZA GARDINER

Article

"Concessions of a Wannabe Rock Star"

An original musical narrative, performed by the singer/songwriter at the Port Theatre's Random Acts Festival in January, and at Nanaimo's Harbour-front Library in April.

Production/Performance

Directed and designed Red Room Studio's Robin Hood and The Outsiders, which featured over 30 young actors.

VIU Collaborators: Undergraduate technicians; alumni

Legends: Making it Reel

Commissioned playwright and director of this original play about Nanaimo's history. This show was produced by the Vancouver Island Symphony, and performed at the Port Theatre in November.

VIU Collaborators: Mike Taugher; undergraduate students; alumni

2010 Vancouver Olympic Games, Opening and Closing Ceremonies

Auditioned as a performer in the 2010 Vancouver Games.

The Vagina Monologues

Coordinated this year's V-Day presentation, managing administrative aspects of production, assisting the director, past theatre student Laura-Lee Poulsen, and liaising with Nanaimo Women's Resources Society staff and volunteers towards this successful fund raiser held at VIU theatre.

VIU Collaborators: Undergraduate students; alumni; Theatre Department faculty

Key of Three

A performance with musician Theo Massop and puppeteer Johanne Gali-peau produced by the Nanaimo Art Gallery, the first stage of a collaboration focused on writing and performing an original play for the Port Theatre in October.

Wings

Directed this play by VIU English Department professor Dr. Liza Potvin, coordinating actors and dancers for the production at VIU theatre. This performance was a fundraiser for Haven Society.

VIU Collaborators: Theatre Department staff; undergraduate actor

Dreamland Saturday Nights

Directed and designed this Western Edge Theatre Company production for a show at Haven Centre on Gabriola Island and the Nanaimo Entertainment Centre.

VIU Collaborators: Frank Moher; alumni

Windows of Opportunity

Drama Instructor and Director for students and staff of School District 68 Junior Learning Alternatives Program's professional development presentation at the Port Theatre.

Directed Red Room Studio's *Aladdin*, a mainstage production involving 30+ young participants, with teen acting troupe opening act *Once Upon a Reality*, and designed and directed performances held at VIU theatre.

VIU Collaborators: Alumni Candice Jones and Manda Chelmak; undergraduate students

Professional Service**Musical Theatre**

Instructor at Stagemest School of the Performing Arts in Port Alberni, and at Tempo Dance Academy in Nanaimo, teaching Musical Theatre classes to young people during the fall and spring semesters.

Research Project**ACTing on Social Accessibility**

Supervised theatre student Jeremy Banks in this project funded by a BC Student-Led Research Grant. Duties included assisting with production and promotion, facilitating a panel discussion at Nanaimo Centre Stage, May 6, 2009, and ensuring that all components of the project were completed.

VIU Collaborators: Undergraduate Jeremy Banks; undergraduate actors and panellists; Satyr Players; Theatre Department

Workshop**TheatreBC North Island Zone, Port Alberni**

Workshop facilitator for "Comedy Intensive" and "Musical Theatre", instructing in comedy, song, and dance to enhance players' performance skills and contribute to participation in upcoming regional club productions. May 31, 2009

MIKE TAUGHER**Community Based Education****Lighting Mentorship with the Nanaimo Theatre Group**

Developed a design for Nanaimo Theatre Group's Christmas pantomime. Using their lighting system as a teaching tool, classes and workshops explored various aspects of lighting for the stage to create the final design.

Other Activity**TheatreBC, Provincial Drama Festival – Technical Adjudicator**

Conducted daily workshops for this week-long, community-theatre, provincial drama festival, analysing technical and design elements for each production, then, as one of two judges, determining the provincial winners.

Production/Performance***The Syringa Tree***

Set and Lighting Designer for TheatreOne's production at the Malaspina Theatre, VIU from April 22–26, 2009.

VIU Collaborator: Ross Desprez

Faculty of Adult and Continuing Studies

Adult Basic Education

TONY BELLA VIA**Project****Snuneymuxw House of Learning**

A pilot Adult Basic Education and Literacy project delivered by VIU in the Snuneymuxw First Nation community, providing supported access for Aboriginal students to upgrade education and foster the skills needed for success at post-secondary education.

Centre for Continuing Studies

DR. JENNY HORN**Project****Agriculture Resource and Innovation Centre**

Conducted a study to assess the feasibility of VIU to initiate and support an Agriculture Resource and Innovation Centre. Funding provided in part by the Investment Agriculture Foundation of BC and the Island Agri-Food Initiative.

BC Farmers' Market Association

Wrote a manual for Farmers' Market managers and edited another for Board Governance for Markets, then delivered 5 workshops based on the Management manual.

Other Activities**Cowichan 2008 North American Indigenous Games Education Symposium**

Member of the Cowichan 2008 North American Indigenous Games Education Symposium Organizing Committee.

VIU Collaborators: Ruth Kroek; Helene Demers; Dan McDonald; Maria Lauridsen; Sharon Hobenshield; Sylvia Scow; Leslie King; Uncle Ray Peter, Henrietta Dessombes; students Tara Thorne and Katie Day

Faculty of Education

Education

DR. MARY LINDSAY**Conference Presentations****"Spider Makes a Web"**

Canadian Society for Studies in Education's Conference 2008 "Thinking Beyond Borders: Global Ideas, Global Values" in Vancouver, BC, 1 June 2008.

"A Story from Spider Makes a Web: Community Situating Itself in**Aboriginal Education"**

YTA Territory Wide Conference 2008 "Storytelling the Future: Raconter l'avenir" in Whitehorse, YT, 25 September 2009.

"Dancing the Professional"

An interactive session at SFU's Pedagogical Practices: Re-thinking the Worlds of Teaching, A Conference on Teacher Education, in Surrey, BC, February 11, 2009. Panellists presented individual and collective participatory-action research inquiries into both the creation and re-negotiation of professional and personal spaces among faculty and students to build and support learning communities. From her study, What is the best dance? Dr. Lindsay explained the re-framing of concept mapping from a technical act to one of leading.

VIU Collaborators: Barbara McLeod; Bernie Krynowsky; Carolyn Bowles; Jean Tonski; Paige Fisher

Other Publication

"Spider Makes a Web: Situating Aboriginal Pedagogy and Curricula in Contemporary Contexts"

Final Project Report to Canadian Council on Learning (February 2009).

Workshop

"Spider Works: Situating and Connecting Aboriginal Pedagogy in Contemporary Contexts"

Brock University and District of Niagara School Board Conference Tomorrow is Mine: Responding to the Needs of Aboriginal Children in Public Education in St. Catherines, Ontario, May 15, 2009.

NANCY RANDALL

Conference Presentations

Coordinated and hosted the June 2008 Council on Undergraduate Research Symposium for institutional teams from throughout BC and Alberta with facilitators from the Council on Undergraduate Research. Presented a session on linking the scholarship of teaching and learning with undergraduate research. Two VIU teams participated: Health and Human Services, and Recreation and Tourism.

Hosted Carnegie Undergraduate Research leadership site meeting at the Council on Undergraduate Research National conference in July 2008. Representatives of the ten international institutions and Anthony Ciccone, senior scholar for the Carnegie Foundation, participated in the meeting. Presented a workshop on the dimensions of undergraduate research with the international CASTL UGR coordinators.

VIU Collaborators: Laureen Styles, Vincent Hopkins (undergraduate research assistant)

Presented a workshop at the International Society for the Scholarship of Teaching and Learning (ISSOTL) October 2008 International conference on the dimensions of undergraduate research with Katie Warnock (undergraduate research assistant) and Dr. Connie Varnhagan, University of Alberta.

Keynote presentation of "The Art of Teaching DVD" by video-conference with Dr. Neil Smith at North Island College February 2009.

Hosted very successful Scholarship of Teaching and Learning symposium on May 8, 2009 in partnership with Vancouver Island Educational Developers Alliance (UVic, Camosun, Royal Roads University, North Island College, Vancouver Island University).

Other Activities

Reviewed articles for the *International Journal for the Scholarship of Teaching and Learning*.

Invited to participate in Carnegie Leadership site coordinators' meeting at Stanford University in March 2009.

Invited to participate in the Great Teachers' Seminar at the Haven on Gabriola Island June 2009.

As VP representing Canada for the International Society for the Scholarship of Teaching and Learning, attended ISSOTL executive meetings, including the nominations committee chaired by Pat Hutchings, Vice President of the Carnegie Foundation for the Advancement of Teaching. Wrote three articles for ISSOTL Commons. Selected as conference proposal reviewer to review conference proposals and introduced key note speaker, Dr. Marcia Magolda-Baxter, during the opening session of the ISSOTL conference.

Organized June 2009 Facilitator Development Workshop (FDW) for teaching instructional skills. Facilitation team included Marcel Carpenter (Southern Alberta Institute of Technology), Maggie Kennedy, Nancy

Randall, Archana Archarya, Andrew Marchand. VIU Participants completing the FDW were: Brent Lee (Ed Technology), Piera Jung (Health and Human Services), Dr. Tim Stokes (Geology), Dale Wik (Humanities), Margot Croft (TLC), Lisa Lewis (ABE)

Research Projects

Learn Together Collaboratory Phase 1

BCcampus (\$66,000) Principal Investigator

Learn Together Collaboratory Phase 2

BCcampus (\$46,000) Principal Investigator with Andrew Marchand

Effective Professional Development Practices

BCcampus (\$23,000) Principal Investigator. Partnered with TRU and UNBC

Effective Videoconferencing Practices

Ministry of Advanced Education (\$45,000) and BCcampus (\$10,000)

Partnered with Andrew Marchand (TLC) and Sharon Styve (Continuing Studies)

Sport, Health and Physical Education

Physical Education

DR. GUY LE MASURIER

Articles

"Seasonality in Children's Pedometer-Measured Physical Activity Levels"

Research Quarterly for Exercise & Sport, 79, 2, 2008

A study suggesting the importance for research of multiple assessments throughout the year to gather habitual pedometer-determined physical activity (PA) levels of children. Pedometers and accelerometers provide more objective PA measures than questionnaires and self-reporting, and researchers should consider how daylight, temperature, wind, rain and other seasonal and cultural factors affect PA.

"Are Current Body Mass Index Referenced Pedometer Step-count Recommendations Applicable to US Youth?"

Journal of Physical Activity and Health, 5, 5, 2008

A study examining whether international BMI-referenced steps/day cut points for children with a healthy body mass index are appropriate for US girls (12,000 steps/day) and boys (15,000 steps/day) 6 to 12 years of age. While these steps/day guidelines promote physical activity by establishing evidence-based and easy to use physical activity goals, international BMI-referenced steps/day cut points demonstrated poor sensitivity and specificity for a US sample of children and should be used with caution.

"Assessing Walking Behaviors of Selected Subpopulations"

Medicine & Science in Sports & Exercise, 40, 7, 2008

A brief review of assessment approaches to, and innovations for, the assessment of walking behavior. Pedometers, accelerometers, international questionnaires (e.g., IPAQ and GPAQ), and techniques for measuring gait patterns in disabled populations have made it possible to assess the walking behaviours of a wide variety of populations. Assessments that include physical, cognitive, and psychosocial parameters are required to fully understand walking for people of all ages.

Professional Service

North American editor for the Health Foundations section of the *International Journal of Physical Education*. This section of the journal summarizes the state of research related to children and youth physical activ-

ity and physical fitness, as well as the evidence-based approaches to the delivery of quality physical education.

Epidemiology section editor for the Research Quarterly for Exercise & Sport (RQES)

Reviews primary research manuscripts in the area of exercise and physical activity-related epidemiology. RQES is the flagship journal for the American Alliance for Health, Physical Education, Recreation & Dance (AAHPERD).

Reviews primary research for numerous journals including *Medicine & Science in Sports & Exercise*, *Preventative Medicine*, *Journal of Teaching Physical Education*, *American Journal of Preventative Medicine* and *Journal of Physical Activity & Health*.

Project

Active Moms: Examining the impact of Peri-conceptual Physical Activity on Birth Outcomes

Co-investigator (providing expertise on the collection, treatment and reporting of the physical activity data) on a project examining the impact on pregnant women's health and birth outcomes of peri-conceptual exercise and health behaviours. Participation includes: self-reported surveys each pregnancy trimester and postpartum, two 90-minute health assessments during second and third trimesters, wearing accelerometers to monitor activity, and participating in an exercise program.

Workshops

Hula Hoops, Bean Bags & Scarves

A workshop presented at the 2009 Nanaimo Professional Physical Educators (NPPE) conference to provide classroom teachers and physical education specialists with teaching strategies, lesson ideas and resources for delivering fun, low-organization activities that require minimal equipment, while demonstrating how games can establish protocols that improve class management and efficient instruction, February 25, 2009.

VIU Collaborators: Faculty of Education

Maximizing Physical Activity in Physical Education

A workshop for elementary educators at the Nanaimo Professional Physical Educators (NPPE) Annual Conference, British Columbia mandates 30 minutes a day of physical activity for elementary students, but many classroom teachers lack the skills, knowledge, equipment or facilities to comply. This workshop provides lessons, resources, and skills for engaging children in active play and minor games. February 25, 2009

VIU Collaborators: Faculty of Education

Faculty of Health and Human Services

LAUREEN STYLES

Article

"Conditions Underpinning Success in Joint Service-education Workforce Planning"

Purkis, M. E., Herringer, B., Stevenson, L., Styles, L., & Van Neste-Kenny, J. (2009). *Human Resources for Health* (7), 17

Conference Presentations

Partnerships for Learning: Undergraduate Research

International Partnerships Institute – Transforming Higher Education and Community for the Future, Portland OR, USA, May, 2009

A study recently conducted at one teaching-intensive university about student and faculty perceptions of undergraduate research (UGR), focusing on motivations and persistence. UGR is a powerful learning experience for

students, that allows for active engagement in topics of interest. This study will serve as a foundation for discussion, sharing, and evaluating how partnerships enhance student learning in UGR.

Implications of Undergraduate Research to Strengthen Links between Teaching and Research

Council on Undergraduate Research 2008 National conference, St. Joseph MN, USA, June 21–24, 2008

An interactive session exploring the importance of undergraduate research linking teaching and research, and the related political, educational, and leadership implications.

Professional Service

Proposal reviewer for the International Society for the Scholarship of Teaching and Learning conference, Bloomingham, Indiana to be held in October, 2009.

Workshop

Carnegie Collaborations: Leadership for Undergraduate Research

An interactive workshop to examine multiple perspectives on dimensions of undergraduate research. The 10 institutions participating in the Carnegie Academy for the Scholarship of Teaching and Learning: Institutional Leadership Program, Undergraduate Research assess their own department/program's or institution's ability to support and implement undergraduate research in diverse settings, and share examples. Workshop at the Council on Undergraduate Research 2008 Nation Conference, held June 21–24, 2008 in St. Joseph MN, USA.

VIU Collaborator: Nancy Randall

Bachelor of Science in Nursing

LINDA BYRNES

Professional Development

Integrated Energy Healing Practitioner's Certificate

The Integrated Energy Healing Practitioner's (IEHP) certificate included course work at Langara College; healing clinics over the last two years for the VIU and Nanaimo communities; and a two and a half week international internship offering energy healing treatments and clinics for clients in Auroville, Tamil Nadu in India in the spring of 2009. The teachings of Sri Aurobindo and the Mother, being the underlying philosophy of the IEHP program, were also studied.

DR. ANN HOLROYD

Article

"Interpretive Hermeneutics and Modifying the Modern Idea of Method"

Canadian Journal of Nursing Research, Volume 40, No. 4, p 130-145

An exploration of how interpretive hermeneutics can broaden the notion of research from knowing to understanding. Engaging with Gadamer's philosophical hermeneutics, researchers strive to embrace a constellation of philosophical outlooks rather than a specific philosophical method in order to create a shared horizon of meaning in their work. Researchers require an awareness of how their chosen conceptual framework creates a stricture through which they know and understand the individual. The methodological approach of philosophical interpretive hermeneutics emphasizes that what is learned from experience extends beyond the strictures of formalized method, thus offering a middle way of thinking in the research encounter.

Conference Presentation

"People First: A Person-Centred Care Model within Primary Care"

An international conference presentation April 16, 2009 offering insight into the value of person-centered care models in the primary care setting and in forging a stronger connection between more traditional illness models and the person's lived experience with persistent illness. While

significant research is devoted to implementing person-centered care models in residential care settings, less exists on appropriate care models in other settings. Such models, based on interdisciplinary collaboration, are a key strategy in providing care for those requiring both multiple services and acute and primary care. Implications about the direction of research and the challenges of these models to the current health care system, specifically primary care, were also discussed.

VIU Collaborators: Cindy Fehr; Ann Holroyd

Other Activity

Field School to Nepal

In September 2008, twelve Bachelor of Science in Nursing students and two VIU professors – Ann Holroyd and Leslie Sundby – embarked on a month-long field school, in which some students worked in the palliative care hospital in the ancient city of Bhaktapur, while others shared a nursing residence and worked alongside Nepalese student nurses in the city of Banepa in the Kathmandu valley region. The highlight of the trip was working with the Mountain Fund, a poverty-eradication non-profit group creating health clinics in mountain regions and providing much needed basic health supplies. Working with medics in the Kathmandu valley gave the students a comprehensive understanding of health issues in the region.

Research Projects

A Pilot Study of Seniors' Experiences with Medication

A research team from UVic, VIHA, and VIU, led by Dr. Peter Stephenson (UVic), investigating seniors' understanding of the role of medication in the context of everyday living. The results will have important implications for health services provision and administration, particularly around medication reconciliation after an adverse drug reaction (ADR). A decade ago costs for ADRs in the United States were calculated at \$136 billion annually, (Johnson and Bootman, 1995). The average length of stay, cost and mortality for ADR patients was double that of controls (Classen et al, 1997). Canadian research is often devoted to provincial ADR costs for specific drugs (Schlienger, et al, 1998). Reflecting this, there is a non-profit. The findings from the study will be published in two articles in 2010.

Residential Care and the Older Adults Experiences with Bathing

A study of residential care environments and modifiable factors that can reduce the challenges or pressures exerted on individuals with a wide range of cognitive abilities during the intimate daily activity of bathing. Funded by a \$30,000 grant, lead investigator Dr. Holroyd will collaborate on this project with researchers from the University of Victoria, Vancouver Island Health Authority and two (private/public) Residential Care Facilities on Vancouver Island.

MAGGIE KENNEDY

Project

Canada Ghana Project for Environmental Education

A collaboration between VIU and two colleges in Ghana—Sunyani Polytechnic and the Faculty of Forest Resource Technology at Kwame Nkrumah University of Science and Technology—created to reduce poverty through environmental education. The VIU team of seven students and three faculty visited Sunyani, in western Ghana, and identified five areas of need for community development: managing waste, improving attitudes towards HIV/AIDS through education and awareness, reducing bush fires, developing ecotourism, and improving access to safe drinking water.

BRENDA LANE

Conference Presentation

"Concept Mapping Your Way to Understanding Health Sciences and Healing Concepts: A Tool to Support Learning and Evaluation"

An evaluation of the use of concept mapping to support nursing students' studying, comprehension, and exam success of health science course topics and healing concepts. Presented at the annual Collaboration for Academic

Education in Nursing conference, concept mapping provides a framework for organizing and connecting conceptual information and representing it visually. Students worked individually or in groups to review pathophysiology, pharmacology, prevention, and nursing concepts for a variety of complex health challenges and completed concepts maps for submission at exam time. Students' perception data and instructor reflections were presented with discussion regarding the value of concept maps as an evaluation and/or study tool.

VIU Collaborators: Cindy Fehr; Julie Gibler; Teresa Hannesson; undergraduate students

Community Support Worker

MALERIE MEEKER

Community Based Education

Ripple Effect: A Family Advocacy and Leadership Retreat

A training retreat for families who have a member with a developmental disability, November 15–18, 2008, Cranbrook, BC.

Conference Presentation

"CLBC: On the Road to Success?"

An interactive presentation June 27, 2008 investigating the community living sector's experience of the transformation and delivery of Community Living BC supports and services over the past year, with the intent of gathering information to support the BC Association for Community Living's advocacy activities.

Project

Rethinking Day Supports

Co-facilitated provincial forum March 24–25, 2009 on supporting adults with disabilities in gainful employment, and developed the final advocacy report submitted to Community Living BC to inform and influence the development of government service and support policies for the target group. Government and advocacy representatives participated, along with 120 service providers from across the province.

Social Services Diploma

PATRICK KONKIN

Professional Service

Strategic Planning

Invited by the Canadian Mental Health Association (Central Vancouver Island) to facilitate the development of a five-year strategic planning event, which included CMHA staff and their Board of Directors.

Research Project

Crime Prevention Pilot Project

Initiated, in collaboration with the Hiye'yu Lelum Society in Cowichan, the BC Ministry of Children and Family Development, and John Anderson, a three-year evaluation project to be undertaken with faculty and students in Health and Human Services and Criminology. The evaluation will have a monetary value attached to it (currently under discussion) and will provide opportunities for social service, child and youth care, and criminology students to gain work and research experience. The Youth Inclusion Project (YIP) aims to prevent crime by engaging youth in culturally-meaningful after-school activities.

VIU Collaborators: John Anderson; Jennifer Mullett; Anne Patterson-Welsh; Ashleigh Martinflatt

International Programs

DR. GRAHAM PIKE

Article

"Citizenship Education in a Global Context"
Brock Education, (2008) 17, 38-49

Chapters

"Citizenship Education in a Global Context"
Citizenship Education in the Era of Globalization. O'Sullivan, M. & Pashby, K. (eds.) Canadian Perspectives. (2008) Rotterdam: Sense Publishers, 41-51

"Global Citizenship Education: Challenges and Possibilities"
Davies, I. & Pike, G. (2009) *The Handbook of Practice and Research in Study Abroad*. Examines higher education and the quest for global citizenship. Lewin, R. (ed.) New York: Routledge, 61-77

"Reconstructing the Legend: Educating for Global Citizenship"
Educating for Human Rights and Global Citizenship. Abdi, A. & Schultz, L. (eds.), Albany: SUNY Press, (2008), 223-237

"Global education"
The Sage Handbook of Education for Citizenship and Democracy. Arthur, J., Davies, I. & Hahn, C. (eds.) London: Sage Publications, (2008), 468-480

"Peddling 'Humbug and False Piety': Reflections on the Road to Educating Global Citizens"
Decolonizing Democratic Education: Transdisciplinary Dialogues. Abdi, A. & Richardson, G. (eds.), Rotterdam: Sense Publishers, (2008), 77-86

Conference Presentation

"Images of Women in Development: Raising Awareness of Global Issues"
Canadian Society for Studies in Education annual conference, Congress of the Humanities and Social Sciences, Carleton University, Ottawa, Ontario.

Other Activities

"Global Education and Teacher Education: A Necessary Partnership"
A keynote address to the BC Teacher Education Roundtable, Vancouver Island University, Nanaimo, BC.

"Internationalization of Teacher Education: A Necessary Ideal"
Faculty of Education Distinguished Lecture Series, University of Manitoba, Winnipeg. An invited presentation for the annual Joan Irvine Lecture on Teacher Education.

Professional Development

Faculty of Record and Visiting Scholar-in-Residence, International Studies Summer Institute, Indiana University Center for the Study of Global Change, Bloomington, Indiana, USA.

Project

Images of Women in Development
A project, which ran from September 2008 to April 2009 at the University of Prince Edward Island, designed to raise awareness of the challenges faced by women around the world. It included a photographic exhibition Resilience and Dreams: Women as Global Citizens, featuring the work of world-renowned photojournalist Carlos Reyes-Manzo, and a distinguished speakers series. The exhibition was staged in four locations: UPEI campus, Holland College campus, Charlottetown Arts Guild, and Summerside Eptek Centre. Carlos Reyes-Manzo also worked with faculty and students in 20 classes and workshops. A catalogue was produced to accompany the exhibition. The distinguished speakers were: Frances Moore Lappe, founder of the Small Planet Institute and expert on world hunger; Victoria Tauli-Corpuz, from the UN Permanent Forum on Indigenous Issues; and Maude Barlow, National Chairperson of the Council of Canadians. Funding for the project was from CIDA's Public Engagement Fund.

English as a Second Language

JACQUELINE FOSTER

Conference Presentation

"Beyond Learning to Read: Activities for Studying Literature"
TEAL (Teachers of English as an Additional Language) 41st Annual Conference, UBC, Vancouver, May 2009

A presentation covering a variety of reading activities designed to guide students in the practice of analyzing literature. Activities were drawn from the story grammar approach and included graphic visuals and concept maps, as well as activities based on the Reader Response Approach.

Other Publication

Book Review
Reviewed two course books for English language instruction: *English for Academic Study: Listening* by Colin Campbell & Jonathan Smith, and *English for Academic Study: Speaking* by Joan McCormack & Sebastian Watkins. Published in the TESL Canada Journal Spring 2009.

SARAH LANE

Book

Instant Academic Skills. Cambridge: Cambridge University Press, 2008
A book for English as a Second Language instructors teaching advanced academic preparation programs. Each chapter provides activities for reading, writing, listening and speaking to give students practice in a wide range of academic skills required for success at university level.

Faculty of Management

Accounting

VANESSA OLTMANN

Conference Presentations

"The More things Change ... Post-Industrial to Modern Investment Fraud"
The Association of Certified Forensic Investigators of Canada (ACFI) 11th Annual Fraud Conference in Toronto, Canada: Dealing with Fraud in Recessionary Times, May 5, 2009

A presentation focused on characteristics of modern investment fraud and the failure of regulatory agencies to provide prevention or early detection, illustrated by four specific cases: William Miller (1898), Carlos Ponzi (1920s), Michael Ritter (2003), and Bernard Madoff (2008). Grant from Forensic Accountants.

"Training & Setting Standards for Forensic (Fraud) Investigators"

The Association of Certified Forensic Investigators of Canada (ACFI) 10th Annual Fraud Conference: The Many Faces of Fraud, in Toronto, Canada, May 26, 2008

Curriculum Development

Developed the curriculum for ACCT 450: Fraud Awareness, Prevention, and Detection, which launched in the Spring 2008 semester. Contributions in knowledge, resources, and/or guest appearances were made by RCMP Commercial Crimes unit, the Association of Certified Forensic Investigators of Canada, the Association of Certified Fraud Examiners, the Bank of Canada, Roy Cullen, and others who helped make this course a success.

Other Publication

Practical Financial Management, 2nd Canadian Edition Test Bank
Developed the test bank and multimedia "Turning Point" question bank for Lasher, W. et al. (2008) *Practical Financial Management*. 2nd Canadian Edition. Thomson/Nelson. Toronto.

Professional Development

Attended the Association of Certified Fraud Examiners 14th Annual Canadian Fraud Conference in Vancouver, May, 2008.

Participated in the Business Educators in Switzerland and Europe field trip in Switzerland organized by Capilano University and Northwestern University, including an 11-day tour through France, Germany, and Switzerland focused on business and government in Switzerland and the European Union.

Attended Advanced Interviewing & Interrogation (ACFI), a workshop led by Ray Haywood (CFE, ex-RCMP), presented by The Association of Certified Forensic Investigators of Canada (ACFI).

Attended the Association of Certified Forensic Investigators of Canada (ACFI) 11th Annual Fraud Conference in Toronto: Dealing with Fraud in Recessionary Times, May 4-5, 2009.

Attended the Association of Certified Fraud Examiners 15th Annual Canadian Fraud Conference, in Toronto May 6, 2009.

Project

WebMagic Accounting Simulation and GolfForeU Accounting Simulation
Developed and published two accounting simulations for use in ACCT 201 Financial Accounting II, to reinforce the theoretical content of the Financial Accounting II course.

Law**DANA CHAMBERLAIN****Conference Presentation**

Culture and Pedagogy: Asian Learners' Experiences in Canadian Higher Education

A study examining the experience of 8 Asian students in a Canadian Business Law course in their respective undergraduate programs. Presentation to the International Society for the Scholarship of Teaching and Learning (ISSOTL) in Edmonton, Alberta, October 2008. Seminar participants were invited to apply the ideas presented to their teaching experiences and consider how these findings may influence the way they connect with their Asian students through curriculum development and teaching pedagogy.
VIU Collaborators: MBA student Ajmer Mehmi; VIU Teaching and Learning Centre; Faculty of International Education

Management**DR. BONITA RUSSELL****Research Project**

Nanaimo Business Leaders Survey

A survey of 1,500 business leaders in Nanaimo to determine how confident they were about the future of their businesses. Conducted by Meyers Norris Penny LLP (MNP) Chartered Accountants and Business Advisors and VIU's Faculty of Management, the survey was executed in September and October 2008, then analyzed by VIU MBA students, Handoko Utama and Ye Chen, as part of their Applied Business Project.

VIU Collaborators: Duane Weaver; Mike Mann

Recreation and Tourism Management**DR. TOM DELAMERE****Conference Presentation**

"If Jazz Musicians Can Improvise, then Why Not Researchers: The Research Jam Session and Participatory Rapid Appraisal as a Tool to Complement Jazz Critique"

A presentation at the 2009 Leeds International Jazz Conference. Leeds, England: Leeds College of Music. A research team was established prior to the LIJC, and data was gathered by a series of methods: focus group, self-reporting, and nominal group. Critics, audience, organizers and performers at LIJC represented the community, the issue being a critique of the concert held March 26, 2009. The data was analyzed post-concert, with results shared at a panel discussion on March 27, 2009.

VIU Collaborator: Greg Bush

DR. KEN HAMMER**Conference Presentations**

"Ghana Canada Partnership for Environmental Education: Research and Scholarship Perspective"

VIU Recreation and Tourism Research Institute Speakers' Series, April 2, 2009

"Aboriginal Tourism Education: What Might Work?"

Recreation and Tourism Research Institute Speakers' Series, March 12, 2009

VIU Collaborator: Undergraduate Kelly Whitney-Squire

Thesis Supervision

"Knowledge Transfer: Cultural Challenges in an International Environmental Education Project at Vancouver Island University"

J. Schofield, MBA, VIU

Project

Ghana Canada Partnership for Environmental Education

A five-year Canadian International Development Agency (CIDA) funded poverty reduction project, currently in its third year, focusing on environmental education/knowledge transfer in the Sunyani region of central Ghana.

VIU Collaborators: Dr. Rick Rollins; Dr. Aggie Weighill; Maggie Kennedy; Barry Ostrand; and others

Research Projects

The Ghana Project Impacts

Interviews with participants from the Ghana Canada Partnership for Environmental Education to identify personal impacts of involvement in the project.

VIU Collaborators: undergraduates B. Jones and G. Boyle

Certificate in Aboriginal Tourism Product Development

A study to determine feasibility and content of the proposed certificate using secondary and primary research.

VIU Collaborators: undergraduate Kelly Whitney-Squire; Sharon Styve; Sharon Hobenshield

DR. GRANT MURRAY**Article**

"North Atlantic Fisheries in Change: From Organic Associations to Cybernetic Organizations"

MAST 7(2):54-80

Co-authors: Barbara Neis (Memorial University); Jahn Petter Johnsen (University of Tromsø)

Conference Presentations

"Social-Ecological Restructuring and Implications for Social Values"

A paper presented at the GLOBEC-EUROCEANS-FAO Symposium entitled Coping with Global Change in Marine Social-Ecological Systems. Rome, Italy, July 8–10, 2008.

"Signs and Waves: Environmental Signals, Information Flow, and Response to Change in Exclusive Fishery Concessions in Baj"

A paper presented at the 12th Biennial Conference of the International Association for the Study of Commons. Governing Shared Resources: Connecting Local Experience to Global Challenges Cheltenham, England, July 14–18, 2008.

"Cumulative Effects, Creeping Enclosure, and the Marine Commons of New Jersey"

Conference proceedings from the 12th Biennial Conference of the International Association for the Study of Commons, Governing Shared Resources: Connecting Local Experience to Global Challenges, Cheltenham, England, July 14–18, 2008.

"Assessing Cumulative Effects of Fishery Regulations through Oral Histories: Case Studies from New Jersey Fisheries"

A presentation at the Society for Applied Anthropology 69th Annual Meeting, Santa Fe, New Mexico, March 17–21, 2009.

Research Projects

Canadian Integrated Multi-trophic Aquaculture Network (CIMTAN)

Co-leading the 'Social Science' component of a five-year NSERC funded project. This component will characterize and analyze several human dimensions of integrated multi-trophic aquaculture systems, including governance issues and challenges, socio-cultural and economic costs/benefits analyses, and relationships with First Nations governance and knowledge systems.

Community University Research for Recovery Alliance

A project involving a number of academic and community partners collaborating on research on fisheries and livelihood related issues in rural western Newfoundland. This five-year research project, now in its second year, is funded through SSHRC's Community-University Research Alliance funding program.

Genomics in Lice and Salmon

A three-year project examining, from a sociology of science perspective, the evolution of the scientific analysis of, and debate over, the interactions between salmon and sea lice in and around salmon aquaculture sites; the role of the media in this evolution; and the interface between science and policy in this area.

VIU Collaborators: Dr. Linda Derksen; Tim DeJager

Local Knowledge and Fjord Ecosystems

A three-year project involving the local ecological knowledge of Sami fish harvesters in northern Norway with a focus on cod stock dynamics and local governance options in the coastal fjord ecosystems.

Protected Areas and Poverty Reduction: A Canada-Africa Research and Learning Alliance

A five-year project, co-funded by SSHRC and IDRC, examining the linkages between conservation activities and poverty in and around protected areas in Ghana, Tanzania and Canada. The Alliance involves community groups, government agencies, and academics in each country and will conduct research in four linked streams of inquiry: the distribution of the costs/benefits of protected areas; human-wildlife interactions; governance; and knowledge mobilization.

VIU Collaborators: Dr. Rick Rollins; Dr. Nicole Vaugeois; Dr. Ken Hammer; Dr. Leslie King

ROBERT PFISTER

Article

"Residents' Attitudes towards Tourism and Perceived Personal Benefits in a Rural Community"

Publisher: Journal of Travel Research. November 2008

An application of social exchange theory to explain the degree to which resident attitudes are related to personal benefits perceived to be associated with tourism development in the community.

Co-author: Yasong Wang (Penn State University)

Book

Recreation, Event, & Tourism Businesses: Start-up and Sustainable Operations.

Publisher: Human Kinetics (Champaign, IL) 2009

A textbook for undergraduate instruction in entrepreneurship and business planning for small and medium enterprises.

Conference Presentation

"Call to Action: From Sustainability to Sustainability Reporting"

Ecotourism and Sustainable Tourism Conference, hosted by The International Ecotourism Society and the Province of British Columbia, Vancouver, October 28, 2008

A detailed examination of changes in the way tourism businesses are identifying and reporting on social, economic, and environmental objectives linked to sustainability goals.

Curriculum Development

Center of Excellence Proposal: M.A. Degree in Sustainability and Innovation in Leisure

World Leisure Congress, Board of Directors, Quebec City, Quebec, October 2, 2008

Presented, as part of a cooperative alliance committed to creating an innovative graduate program at VIU, a proposed Master's of Art degree to the World Leisure Organization, an affiliate of the United Nations Organization.

VIU Collaborators: Department of Recreation and Tourism Management; Mike Mann; Dr. Leslie King; Dr. Ralph Nilson

DR. DAVID ROBINSON

Curriculum Development

Sustainable Community Planning Degree at Vancouver Island University

Chairing a VIU cross-disciplinary program initiative involving the Departments of Tourism Management (Faculty of Management) and the Department of Geography (Faculty of Social Sciences) focused on enhancing the planning capacity of rural and remote communities in British Columbia. The creation of an undergraduate degree in sustainable community planning at Vancouver Island University (VIU) in conjunction with the Planning Institute of BC (PIBC) will ultimately lead to the creation of a Masters Degree that complements existing planning qualifications. Both programs have strong community sustainability and community planning and development themes within their existing degrees, and include First Nations and indigenous communities.

VIU Collaborators: Dr. Don Alexander; Dr. Nicole Vaugeois, Larry Wolfe; Pam Shaw

Research Project

The Heart of Gold Costa Rica Rural Communities Empowerment Project

A project focused on community owned and operated eco- and agro-tourism as alternative forms of economic diversification to enhance and support organic-in-the-shade Direct Trade coffee production and the protection of watershed forests in Los Santos, Costa Rica. The project goals are to provide practical approaches for enhancing forest and water supply health, as well as increasing democratic participation and social equity in rural

settings to lessen the impacts of globalization. Phase III began the collaborative work on sustainable ecotourism development models in rural farming communities with a focus on creating a world-class adventure-culture high forest hiking trail linking 10 remote communities between Santa Maria de Dota and the Pacific Coast.

DR. RICK ROLLINS

Articles

"Visitor Perceptions of the Role of Tour Guides in Natural Areas"

Randall, C. & Rollins, R. (2008). Accepted by *Journal of Sustainable Tourism*
An examination of the effectiveness of kayak guides in providing interpretive messages within the Broken Group Island segment of Pacific Rim National Park.

"Activities, Setting Preferences and Conflict among Recreational Boaters in a Proposed Marine Protected Area: Implications for Research and Management"

Gray, D, Cannessa, R., Rollins, R., Keller, P., & Dearden, P. (2009). Submitted to *Journal of Leisure Research*
An examination of the conflict between sailing vessels and motorized pleasure boats in the Gulf Islands region of coastal BC.

"Dimensions of Support and Opposition to Zoning in the Marine Environment"

Gray, D, Cannessa, R., Rollins, R., Keller, P., & Dearden, P. (2009). Submitted to *Ocean and Coastal Management*
An examination of the views of recreational boaters in the Gulf Islands toward zoning in the marine environment, based on types of use and levels of conservation provided.

"Spatial Characterization of Recreational Boating"

Gray, D, Cannessa, R., Rollins, R., Keller, P., & Dearden, P. (2009). Submitted to *Journal of Parks and Recreation Administration*
An examination of the travel routes of recreational boaters in the Gulf Islands region of BC to determine areas of congestion and inform proposed zoning of the region for recreational use.

Book

Parks and Protected Areas in Canada: Planning and Management (third edition). Dearden, P. & Rollins, R. (eds) (2008). Toronto: Oxford University Press

An overview, with Canadian examples, of major conceptual approaches involved in the management of protected areas.

Conference Presentations

"The Role of Commercial Tour Guides in Protected Areas"

Hyslop, C., Rollins, R. & Randall, C. (2008)
A paper presented at BC Protected Areas Research Forum, Prince George.

"Perceptions of Shellfish Aquaculture Development in a Proposed Marine Protected Area"

Rollins, R. & McCallum, D. (2008). Coastal Zone Canada Conference, Vancouver
A description of research conducted in the Gulf Islands to assess visual impact of shellfish aquaculture by community residents and by tourists visiting the region.

"Marine Protected Areas and Stakeholder Response: A Study of Recreational Boating in the Southern Strait of Georgia"

Gray, D, Rollins, R., & Cannessa, R. (2008)
Paper presented at Coastal Zone Canada Conference, Vancouver.

"Marine Tourism in the Gulf Island Region of British Columbia"

Gray, D, Rollins, R, Cannessa, R & McCallum, D. (2008)
Presented at Coastal Zone Canada Conference, Vancouver.

"Managing for Conflict at Elk/Beaver Regional Park"

Rollins, R, and Wilson, L. (2008)
Presented at BC Protected Areas Research Forum, Prince George.

"Effects of Interpretive Wildlife Watching Tours on Tourists in Tofino, BC"

Poirier, S., Rollins, R and Cannessa, R. (2008)
Presented at BC Protected Areas Research Forum, Prince George.

"Volunteering for Conservation as Leisure Behaviour"

Hunter, A. & Rollins, R. (2008). Canadian Congress on Leisure Behavior (CCLR), Montreal
A description of motivations, satisfaction and retention of people volunteering in conservation related activities in the capital regional district of Victoria.

Projects

Ghana Canada Partnership for Environmental Education

A CIDA-funded project, now in its third year, involving capacity building with two universities in the Sunyani region of Ghana to develop community extension services linking the universities with community development activities involving HIV/AIDS reduction, plastic waste reduction, forest fire reduction, and ecotourism development.
VIU Collaborators: Ken Hammer; Maggie Kennedy; Barry Ostrand; Aggie Weighill; Audrey Hansen; Laureen Styles; Nicole Vaugeois; students Heather Maitland; Hannah Watler; Tyler Brown; Monica Rush; Caitee Akins; Jen Shoenfeld; Jen Berkley; Sabrina Sawchuck; Matt Maffeo; Trevor Campbell

Protected Areas and Poverty Reduction: A Canada-Africa Research and Learning Alliance

A five-year project co-funded by SSHRC and IDRC examining the linkages between conservation activities and poverty in and around protected areas in Ghana, Tanzania, and Canada. The Alliance involves community groups, government agencies and academics in each country and will conduct research in four linked streams of inquiry: the distribution of the costs/benefits of protected areas; human-wildlife interactions; governance; and knowledge mobilization
VIU Collaborators: Drs. Rick Rollins; Nicole Vaugeois; Ken Hammer; Leslie King

DR. NICOLE VAUGEOIS

Conference Presentations

"People's Voice on Sustainability: Residents Perspectives on Triple Bottom Line and Future Local Government Directions from Port Alberni, BC"

A poster presentation with Scott Bastian and Tracy Simpson at the World Leisure Congress in Quebec City, October 2008.

"Equestrian Sport Development: Observations from an Action Research Project"

A poster presentation at the World Leisure Congress in Quebec City, October 2008.

"So How is Development of Tourism in a Rural Context Different?"

A presentation at the Canadian Association of Geographers Rural Tourism and Recreation in Canada session, May 2009 in Ottawa.

"Barriers to the Adoption of Sustainable Tourism Practices by Rural Operators"

A presentation at the Canadian Association of Geographers Rural Tourism and Recreation in Canada session, May 2009 in Ottawa.

"Innovation in Rural Tourism: Insights from Small Tourism Enterprises in British Columbia"

A presentation at the Canadian Association of Geographers Rural Tourism and Recreation in Canada session, May 2009 in Ottawa.

"Reaching out to Rural Communities: The Tourism Research Innovation Project (TRIP)"

A presentation at the World Leisure Congress in Quebec City, October 2008.

VIU Collaborators: Dr. Dan McDonald, Dr. Rick Rollins

"Centre of the World, Centre of Opportunity: Participatory Rapid Appraisal of Tourism Development with the Mowachaht Muchalaht First Nations"

A presentation at the World Leisure Congress in Quebec City, October 2008.

VIU Collaborators: Dr. Dan McDonald; student Amanda Keir

"Building Capacity, Broadening Awareness and Engaging Tomorrow's Leaders through Extension Activity"

A presentation at the World Leisure Congress in Quebec City, October 2008.

VIU Collaborators: Dr. Dan McDonald; students Tracy Simpson; LA Shibish

"Community and Protected Area Relationships"

A co-panel presentation for BC Protected Areas Research Conference, Closing the Loop, Prince George, 2008.

VIU Collaborators: Dr. Dan McDonald; Dr. Rick Rollins

"Wayfinding Your Way through Signage"

A presentation for the Council of Tourism Associations Annual Conference in Vancouver, February 2009.

Other Activity

Leading the Way in Sustainable Tourism

A video, produced by Brad Goodwin as part of the Fostering Innovation in Sustainable Tourism Project, capturing insights from operators in rural BC on how to incorporate sustainability into business operations.

Other Publications

"Operator Perspectives on Sustainable Tourism in BC"

A report from the Fostering Innovation in Sustainable Tourism project which captures the perspectives of small and medium sized tourism enterprises in rural BC on sustainable tourism practices. This was a collaboration between VIU, UNBC, TRU and COTR with funding provided by the Canadian Rural Partnership.

VIU Collaborators: Lea Thuot; Andrew Scherck

"Made in BC' Innovation in Sustainable Tourism"

Nicole L. Vaugeois and Lea Thuot (eds)

A report profiling 20 "made in BC" examples of innovators who have incorporated sustainable practices into their tourism business.

VIU Collaborators: Brad Goodwin; Laurel Sliskovic; Sam Egan; Scott Ballhorn; Kelly Whitney-Squire; Amber Faktor; Tracy Simpson

Professional Service

BC Tourism Research Advisory Committee

Appointed to the Ministry of Tourism Culture and the Arts "BC Tourism Research Advisory Committee" to assist in the development of a research agenda to guide the industry from 2009–2012.

Marketing Committee: Vancouver Island Economic Alliance

Member of the marketing committee to establish a brand for Vancouver Island with the Vancouver Island Economic Alliance (VIEA).

Cultural Tourism Advisory Committee

Participated on the Ministry of Tourism, Culture and the Arts panel for cultural tourism in BC, developing a cultural tourism strategy for BC, 2009–2012.

Projects

Fostering Innovation in Sustainable Tourism

A project to foster innovation in the adoption of sustainable tourism practices among small and medium-sized rural tourism operators in British Columbia by developing a manual to profile early adopters, assessing barriers to adoption, and hosting workshops to share resources. Funding provided by the Canadian Rural Partnership. Collaborators included Rob Hood (TRU); Pat Maher (UNBC); Grant Unger (College of the Rockies).

Wells Tourism Assessment

A community-initiated request to the BC Regional Innovation Chair in Tourism and Sustainable Rural Development for insights on tourism development in Wells-Barkerville region. A team of faculty and students was assembled from VIU, TRU and UNBC to visit Wells in May 2009 and conduct an assessment with recommendations on marketing, product development and signage.

Tourism Research Innovation Project

Primary Investigator for a three-year SSHRC Knowledge in Society project entitled Reaching Out to Rural Communities.

VIU Collaborators: Dr. Dan McDonald; Dr. Rick Rollins

Protected Areas and Poverty Reduction: A Canada Africa Research and Learning Alliance

Collaborator on an International Community University Research Alliance (ICURA) with Dr. Grant Murray.

Social Networking: Cariboo Chilcotin Tourism Association

Collaborated with UNBC and TRU to send seven students to the Cariboo Chilcotin Coast Tourism (CCCT) region to populate new tourism blogs with visitor experiences generated by field experiences. Students took video footage and photos and wrote up their travel experiences to post to the CCCTA blog and operators' blogs.

Faculty of Science and Technology

Biology

DR. ERICK GROOT

Research Project

Development of Hematological Reference Values Will Assist in the Conservation of Endangered Vancouver Island Marmots

A Biology 491 project, conducted by Anabel Cairns, that established an updated set of blood sample reference values for the severely endangered, endemic Vancouver Island marmot. These reference values will allow conservation biologists to assess the overall health of wild and captive-bred marmots that are handled as part of the Vancouver Island Marmot Recovery Foundation's extensive rehabilitation and management program. Once the blood sample database is updated with data collected since 2002, reference values from over 800 blood samples will be established through extensive analysis of various blood parameters to represent "normal" values for typical healthy marmots.

VIU Collaborator: Dr. Susan Sanders

DR. MERCEDES HERNANDEZ

Research Project

Development of a Reliable Protocol for Sampling Methicillin-Resistant Staphylococcus Aureus (MRSA) from Inanimate Object

A project to test different media and sampling protocols designed to recover MRSA isolates from inanimate objects in public places in order to

develop reliable protocol for sampling *Staphylococcus aureus* from environmental surfaces in the community deemed to have a high probability of harbouring MRSA. Community-acquired methicillin resistant *Staphylococcus aureus* (MRSA) infections have increased in Nanaimo in the last decade, but sampling experiments designed to detect the presence of this bacterium in public locations have failed to produce MRSA isolates.

VIU Collaborator: Undergraduate student Drew Bowie

DR. SUSAN SANDERS

Professional Development

CAREB 2009 National Conference, May 1–2, 2009

Participated, as a representative of the VIU Research Ethic Board in a break-out session for members of Research Ethic Boards from across Canada, and discussed topics of interest to all at the annual conference.

Canadian Association for Laboratory Animal Science, June 7–11, 2008

Attended this conference, as the Animal Care Committee veterinarian, on behalf of the VIU Animal Care Committee. The scientific presentations were relevant to laboratory animal science and medicine; the one pertaining to humane endpoints was particularly helpful in guiding development of the new VIU Animal Care Committee standard operating procedure for humane intervention and endpoints for research and teaching that involves vertebrate animals.

World Veterinary Congress, July 27–31, 2008

Attended various scientific sessions pertaining to animal welfare and public practice, as well as several small animal medicine sessions that focused on updates for diagnosis and treatment of a multitude of pathological conditions, as well as information relevant to teaching physiology and pharmacology courses.

The Health Educators' Group Annual Articulation Meeting, May 19–21, 2009

Organized the annual articulation meeting for The Health Educators' Group, a meeting that brings together educators from across BC involved with teaching anatomy and physiology and/or pathophysiology.

VIU Collaborators: Rosemarie Ganassin; Erick Groot; Andrew Hollenberg

Workshop

Teaching and Learning Using *Second Life!*

Presented by Tim de Jaeger and Barbara Thomas May 28, 2009

An orientation to *Second Life!* attended by a group of VIU Virtual World Explorers who will spend the summer exploring how institutions, educators, researchers, artists, and other professions are using *Second Life*. Participants set up personal avatars, went in, and started exploring! Over the summer they will visit places, attend events, and meet other professionals from around the world, then attend a follow-up workshop to discuss some of the pedagogical and business uses of virtual worlds, and make recommendations about how VIU uses *Second Life!*

Digital Me 101 – Google Applications in Depth

Presented by Brent Lee May 5, 2009

A session covering the details for using many Google applications: Google Documents, Reader, Gmail, Maps, and Calendar.

Asking Questions about Student Learning

Held at the 2nd Annual VIEDA Conference, May 8, 2009, this one-day workshop involved participating in break-out groups divided by issues/questions/concerns and also affiliation.

DR. ANDY SPENCER

Articles

"Non-linear Intramolecular Interactions and Voltage Sensitivity of a Kv1 Family Potassium Channel from *Polyorchis penicillatus* (Eschschotz 1829)"

Journal of Experimental Biology 211:3442-3453.2008

Co-authors: Klassen, T.L., O'Mara, M.L., Redstone, M., Gallin, W.J.

Voltage sensitivity of voltage activated potassium channels is a primary factor in shaping action potentials. Variation in amino acid sequence is responsible for differences in the voltage range of opening. We assessed the contribution of changes in sequence in the S4, voltage sensing helix and changes in one asparagine residue in the S2 helix. Mutation of the neutral S2 residue Asn227 to glutamate stabilized the open conformation of the channel. The interactions between pairs of mutations revealed that some of the S4 mutations alter the conformation of the voltage-sensing domain such that the S4 helix is constrained to be closer to S2 than in the wild-type conformation.

"1-Phenoxy-2-Propanol is a Useful Anaesthetic for Gastropods Used in Neurophysiology"

Journal of Neuroscience Methods 176:121-128. 2009

Co-authors: Wyeth, R.C., Croll, R. P., Willows, A.O.D.

Anaesthesia is often used in neurophysiological, surgical, and neuroanatomical protocols. Many anaesthetics have been used for marine molluscs but all seriously modify some aspect of physiology or histology. We provide an analysis of the neural, muscular, and behavioral effects of 1-Phenoxy-2-propanol (PP) in gastropods. PP eliminates action potentials and reduces muscular contraction force in *Hermissenda* and *Tritonia*. These effects are completely reversible.

Research Project

Structure/Function Analysis of Voltage-Gated Potassium Channels

Canadian Institutes for Health Research Operating Grant \$120,477 per annum (2008–2011)

Co-investigator: Dr. Warren Gallin (U of A)

This grant funds a research program that is designed to develop a detailed, quantitative and predictive understanding of the relationship between structure and function in voltage-sensing potassium channels. Our model will be consistent with experimentally determined 3D structures and electrophysiological properties of a variety of "wild" channels. In addition we will use site-directed mutagenesis of selected channels and in silico simulation of protein behavior. We are testing these hypotheses using heterologous channel expression and evaluating the results using computational molecular modeling.

ROBERT WAGER

Articles

"Fungus and Food"

An article (Op/Ed) in the *Korea Times* newspaper examining the role of biotechnology in dealing with the fungal destruction of food crops, June 29, 2008.

"Future of GM Crops"

An article (Op/Ed) in the *Korea Times* newspaper examining the first 12 years of commercialized GM crops.

"GM Reporting Should Rely on Real Expertise"

A Letter to the Editor of *SciDev.net* discussing the widespread failure of journalists to confirm facts about GM crops and food, October 16, 2008.

"No Matter How You Sea Lice it"

An article (Op/Ed) in the *Westcoaster* newspaper examining the use of poor science to support anti-fishfarm agendas.

"Why the IAASTD Failed"

An article examining the failure of the International Assessment of Agricultural Science and Technology for Development (IAASTD), June 15, 2008. Published in *Agbioworld* (2008).

"Comment on 'The Future of Agriculture'"

Embo reports Vol 10 No 2 2009

"Why the IAASTD Failed"

Published in *ISAAA 2008 Global Report on Agricultural Biotechnology*, Brief 39, Appendix Four, February 2009.

DR. JANE WATSON**Other Activities****"Return of the Sea Otter: Rediscovering Historic Predator Prey Relationships"**

A seminar presented to the Fisheries Centre at UBC, discussing the evolutionary importance of predator prey relationships in fisheries management and conservation biology. The sea otter and one of its prey species, the red turban snail, were used as a model system.

"The Return of the Sea Otter; Establishing Historic Baselines"

A seminar presented to the Faculty of Resource Management at SFU, outlining how the return of an important predator such as the sea otter will require that resource managers consider how ecosystems change when missing predators are restored.

Chemistry**DR. CHRIS GILL****Conference Presentations****"Thermally Assisted MIMS Interfaces – Improvements for Semi-Volatile Organic Compounds in Environmental Samples"**

56th ASMS Conference, Denver, USA, June 3, 2008

An overview of real-time air and water quality monitoring in several 'out-of-the-lab' scenarios, the refinement of thermally assisted MIMS (TAMIMS) for less volatile analytes, on-line isotope dilution techniques (liquids and gases) for stable long-term calibration and the use of other (than MS) detectors. Membrane Introduction Mass Spectrometry (MIMS) uses a semi-permeable membrane to introduce analytes to a mass spectrometer. The membrane acts as an on-line, solventless extractor/pre-concentrator. It rejects the bulk sample, is semi-selective for analytes (membrane dependent) and provides a strategy for direct analysis of 'dirty' and complex samples in the liquid, slurry and/or gas phase. The temporal resolution achieved by MIMS identifies air quality excursions at 'hot-spots', providing a highly selective and sensitive tool for continuous monitoring and high throughput sample screening.

VIU Collaborator: Dr. Erik T. Krogh

Thesis Supervision**"Real Time Monitoring of Nitrous Oxide Emissions from Biological Nutrient Removal Wastewater Treatment" Processes By MIMS**

Student: Alexander J. Thompson, MSc. Candidate, Royal Roads University, Victoria, BC

A project to study the emissions of nitrous oxide gas (N₂O) from processes within a full-scale biological nutrient removal (ammonia, nitrate, orthophosphate) wastewater treatment plant. The use of membrane introduction mass spectrometry (MIMS) will allow molecular identification (based on mass) at rapid analysis cycles (less than 1 min.). This method facilitates sensitive (low parts-per-billion), real-time, monitoring with simultaneous quantification via in-line internal standards.

VIU Collaborators: Dr. Erik T. Krogh; Dr. David Gaumont-Guay

"Development of a Field Portable MIMS-MS/MS System for Real Time Trace Contaminant Measurement in Air and Water"

Student: Nick S. Davey, MSc Candidate, Chemistry Department, University of Victoria, Victoria, BC

A field portable membrane introduction Tandem Mass Spectrometry system will be developed and tested. This research is in conjunction with a research project aimed at the design and development of fieldable MIMS mass spectrometers for use in the Alberta Oil Sands.

VIU Collaborator: Erik T. Krogh

Papers**"Modeling Analyte Permeation in Cylindrical Hollow Fiber Membrane Introduction Mass Spectrometry"**

Journal of Membrane Science, 2008, 325, 81-91. doi:10.1016/j.memsci.2008.07.033

The time-resolved signal generated from MIMS has been modeled in cylindrical coordinates to analyze the data from MIMS experiments, in which a capillary hollow fiber selectively passes a low molar mass analyte dissolved in an aqueous solution to a mass spectrometer. Two approximate solutions are developed to Fick's second law for a step change in upstream concentration. Analysis of data for trace levels of toluene in aqueous solution passed through a polydimethylsiloxane (PDMS) hollow fiber yields the diffusion coefficient, partition coefficient, and their temperature dependences for the toluene/PDMS system.

VIU Collaborator: Dr. Erik T. Krogh

"Research and Development of MIMS-MS/MS as an On-Line Platform for Rapid Environmental and Process Monitoring"

Invited contribution, *The Journal of Chromatographic Science*, 47 57-66 (2009)

A study presenting several recent applications of MIMS-MS/MS for on-line environmental monitoring in atmospheric and aqueous environmental samples demonstrating laboratory, remote and mobile deployments. The use of a thermally assisted MIMS (TAMIMS) interface for the direct measurement of polyaromatic hydrocarbons, alkylphenols and other SVOCs in the low ppb range in aqueous environmental samples is also presented and improvements in both the sensitivity and response times for selected SVOCs are discussed. The work presented in this paper represents significant improvements in field deployable mass spectrometric techniques, which can be applied to direct on-site analytical measurements of VOC and SVOCs in environmental samples.

VIU Collaborator: Dr. Erik T. Krogh

Professional Development**"Mass Spectrometry and Environmental Applications"**

Invited Guest Lecture, Department of Environmental and Occupational Health Sciences, University of Washington, Seattle, WA, USA

An overview lecture of mass spectrometry and its applications for environmental science.

Research Projects**MIMS-MS/MS for Rapid On-line Environmental and Process Monitoring of Heavy Oil Extraction Operations**

Research to develop new on-line analytical methods for the real-time analysis for chemical determinants of environmental and human health. The objective of this project is to develop a field portable system for the direct observation and quantification of volatile and semi-volatile compounds in complex environmental samples. This project represents a significant new international collaboration between Canadian and Norwegian researchers at VIU and the Norwegian University of Science and Technology and will involve important knowledge mobilization into the oil and gas industry via implementation at StatoilHydro's operations in Alberta, Canada. Significant contributions to research training of highly qualified personnel will be made via graduate and post-doctoral opportunities as well as through personnel at StatoilHydro.

VIU Collaborator: Dr. Erik T. Krogh

The Use of Mobile MIMS for Community-Scale Air Toxics Monitoring in the Seattle-Tacoma Airshed

A study to provide a more comprehensive understanding of the temporal and spatial variability of air quality toxics as well as assist in identifying primary sources. Air toxics encompass a diversity of chemicals, including both particulate and vapour phase components. Diesel exhaust and wood smoke are two of the highest priority sources of air toxics in USEPA's

Region 10 and nationally. The study will collect monitoring information that better informs how air toxics associated with wood smoke and diesel exhaust (PAHs, volatile organic compounds [VOCs]) vary spatially across and within neighbourhoods.

VIU Collaborator: Dr. Erik T. Krogh

DR. ERIK KROGH

Conference Presentation

"Thermally Assisted MIMS Interfaces – Improvements for Semi-Volatile Organic Compounds in Environmental Samples"

A conference presentation at the 56th ASMS Conference on Mass Spectrometry in Boulder CO, Abstract #1470, June 2008.

VIU Collaborators: Dr. Chris Gill; N. Davey; S. Ghafouri

"Nutrient Levels in Segregated Forest Litter Samples from Clayquot Sound Biosphere Reserve"

A Technical Report for International Forest Products Ltd. March 1, 2009

A multi-year study investigating the effect of various land-use and logging practices on nutrient flows from litterfall samples.

VIU Collaborators: student Kyle Duncan; Dr. Chris Gill

Papers

"The Use of MIMS/MS in Field Locations as an On-Line Quantitative Environmental Monitoring Technique for Trace Contaminants in Air and Water"

J. M. Etzkorn, N. G. Davey, A. J. Thompson, A. S. Creba, C. W. LeBlanc, C. D. Simpson, E. T. Krogh and C. G. Gill

Invited contribution, *The Journal of Chromatographic Science*, 2009, 47, 57-66

A presentation of several recent applications of MIMS-MS/MS for on-line environmental monitoring in atmospheric and aqueous environmental samples demonstrating laboratory, remote and mobile deployments. The use of a thermally assisted MIMS (TAMIMS) interface for the direct measurement of polyaromatic hydrocarbons, alkylphenols and other SVOCs in the low ppb range in aqueous environmental samples was also presented and improvements in both the sensitivity and response times for selected SVOCs were discussed. This study represents significant improvements in field deployable mass spectrometric techniques.

"Modeling Analyte Permeation in Cylindrical Hollow Fiber Membrane Introduction Mass Spectrometry"

D. Janes, C. Durning, D. V. Pel, M. S. Lynch, C. G. Gill and E. T. Krogh
Journal of Membrane Science, 2008, 325, 81-91. doi:10.1016/j.memsci.2008.07.033

The time-resolved signal generated from MIMS has been modeled in cylindrical coordinates to analyze the data from MIMS experiments, in which a capillary hollow fiber selectively passes a low molar mass analyte dissolved in an aqueous solution to a mass spectrometer. Two approximate solutions are developed to Fick's second law for a step change in upstream concentration. Analysis of data for trace levels of toluene in aqueous solution passed through a polydimethylsiloxane (PDMS) hollow fiber yields the diffusion coefficient, partition coefficient, and their temperature dependences for the toluene/PDMS system.

Production/Performance

"The Science of Climate Change"

A regular monthly segment on the CHLY 101.7 FM radio program *Not Rocket Science*.

VIU Collaborator: Steven Earle

Professional Service

Board of Directors, Association of the Chemical Profession of British Columbia

Research Projects

Research and Development of MIMS-MS/MS as an On-Line Platform for Rapid Environmental and Process Monitoring

The research and development being conducted will develop new on-line analytical methods for the real-time analysis for chemical determinants of environmental and human health. The objective of this project is to develop a field portable system for the direct observation and quantification of volatile and semi-volatile compounds in complex environmental samples. This project represents a significant new international collaboration between Canadian and Norwegian researchers at VIU and the Norwegian University of Science and Technology and will involve important knowledge mobilization into the oil and gas industry via implementation at StatoilHydro's operations in Alberta, Canada. Significant contributions to research training of highly qualified personnel will be made via graduate and post-doctoral opportunities as well as through personnel at StatoilHydro. VIU Collaborator: Dr. Chris Gill

Workshops

Increasing Scientific Literacy through the Science of Climate Change

An invited professional development workshop for the Cowichan Science Teachers Association (SD 65) that included a review of the scientific concepts behind modern climate change and the data which supports human induced changes. Several important hallmarks of scientific methodology were emphasized and a number of classroom demonstrations presented.

VIU Collaborators: students Cameron Newhook and Carol Bob

Sustaining Research and Scholarship at Primarily Undergraduate Universities

An invited workshop for the Federation of Post-Secondary Educators of BC, at FPSE Convention and AGM, summarizing the speakers experience in maintaining an externally-funded research program in the face of systemic institutional obstacles at a primarily undergraduate university. The presentation reviewed the role of research activity in the context of promoting student-faculty engagement and deeper learning in undergraduate education. An outline of the barriers encountered in efforts to sustain a long-term research program was discussed along with some strategies that have worked well. The workshop concluded with an interactive discussion focused on designing some creative mechanisms to integrate and support research and scholarship activities in primarily undergraduate universities in BC.

Engineering

DR. BRIAN DICK

Other Activity

Engineering Fair

One of six Engineering Fair events on campus that allowed hundreds of mid-Island Grade 11 students to interact directly with local engineering firms and participate in a design/competition activity requiring basic engineering principles and practice. Student teams design and build a trebuchet siege engine for competition against their peers, the goal being to build a machine that most accurately fires a projectile at increasing distances. All students receive participation medals, with the top four teams receiving prizes. Local engineering firms provide mentors and a keynote address during lunch hour, highlighting their perspective and experiences in engineering.

VIU Collaborators: Department of Physics, Engineering, and Astronomy

Professional Development

Tra Vinh University (Vietnam), May 1/09 and June 30/09

Enhanced VIU's ongoing relationship with Tra Vinh University (TVU) in Vietnam by developing an engineering/scientific communication course for staff/students, presenting seminars to staff/students on both research

topics and technical careers, assisting in setting up a nano-chemistry lab, and guest lecturing in lower year electronics classes. VIU is interested in developing cooperative and progressive teaching methods which can be integrated into the Vietnamese learning environment. This work strengthened ties within the technical disciplines at TVU, particularly in electrical engineering and technology.

Research Project

Modification of the Carbon Nanotube Growth Facility

A facility to initiate interdisciplinary research programs at VIU, particularly between the biological sciences, chemistry, and physics/engineering. Previous funding allowed for the construction of a carbon nanotube growth facility on campus which proved unreliable; further funding (and the assistance of an undergraduate student) allowed for a more controlled facility to be constructed. Carbon nanotubes, single layer sheets of carbon atoms rolled into tubes, can have one or several concentric rings of carbon layers, and have captured the imagination of physicists (electronic properties), chemists (nanotest tubes), material scientists (strength, stiffness, and resilience), and nanotechnologists (nanotube based gearing or bearings).
VIU Collaborator: Undergraduate student Michael Engelman-Germain

Fisheries and Aquaculture

DR. DUANE BARKER

Article

"Preliminary Studies on the Isolation of Bacteria from Sea Lice, *Lepeophtheirus Salmonis*, Infecting Farmed Salmon in British Columbia, Canada"

Parasitology Research 2009 (ms # PR-2009-0012)

Co-authors: L.M. Braden, M.P. Coombs and B. Boyce

A study, using standard OIE bacteriological screening protocols, that sampled the external carapace and internal stomach contents of motile stages (pre-adult and adult) of *Lepeophtheirus salmonis* collected from farmed Atlantic salmon from May 2007 to April 2008 in British Columbia, Canada. Three potentially pathogenic bacteria (*Tenacibaculum maritimum*, *Pseudomonas fluorescens* and *Vibrio* spp.) were isolated from external (58-100%) and internal (12.5-100%) samples of sea lice. The prevalence of bacteria was higher from lice collected during months with higher water temperatures and among adult lice. A comprehensive, multi-year follow-up study is planned to examine the possible role of sea lice as a vector for disease.

Conference Presentations

"Little Bugs from Fish with Smaller, Nastier Bugs: Preliminary Studies on the Role of Sea Lice, *Lepeophtheirus salmonis*, as a Vector of Bacterial Pathogens to Salmon"

Barker DE, LM Braden, MP Coombs & B Boyce. 2008

International Congress on the Biology of Fishes: American Fisheries Society, Fish Physiology Section. Conference held in Portland, Oregon, USA, July 2008.

Aquaculture Association of Canada 2009: *Meeting the Challenges*

Conference held in Nanaimo, British Columbia, May 2009.

Research Projects

Defining the Ecological and Immunological Roles of Sea Lice in the Propagation of Pathogens among Salmonids in BC

Awarded \$413,417 (2009-2012) NSERC Strategic Grant Project

A long-term study to discover whether results from a pilot study that repeatedly isolated three pathogenic bacterial species from sea lice and their farmed salmon hosts partly support a vector hypothesis. Few vector-pathogen relationships (e.g., pathogens transmitted by mosquitoes) have been described for fish. This research will be conducted in two phases. First, the vector potential of sea lice will be tested experimentally; then seasonal patterns in pathogen abundance on sea lice from farmed and wild salmon

will be described and modelled. Secondly, the hypothesis that the feeding activities of lice promote micro-habitat, reduce immune response in localised patches, and serve as portals of pathogen entry will be tested. This research presents a unique opportunity to study the direct and indirect contribution to disease by an ectoparasite of salmon. It is anticipated that results will assist salmon farmers in the development of effective disease prevention strategies.

Efficacy of the Oral Immunomodulator, Fin-Immune™, against Furunculosis in Cultured Rainbow Trout, *Oncorhynchus Mykiss*

Industry-funded (\$14,000) from Aloha Medicinals Inc. (NV, USA)

Phase I of this research at the trout hatchery of VIU (2008) examined the immune response of rainbow trout (*Oncorhynchus mykiss*) fed various concentrations of the *Cordyceps* mushroom-based immunomodulator Fin-Immune. The resultant optimum concentration (20 mg g⁻¹) was used in Phase II (March-May 2009) to evaluate the efficacy against the bacterium, *Aeromonas salmonicida* (causes furunculosis). Using a biocontainment laboratory in the CSR, a cohabitation disease challenge model was applied (e.g., donor fish injected with 0.1 ml of 105 CFU ml⁻¹ bacteria were added to the treatment tanks). Group one received Fin-Immune™ for 6 weeks and were challenged, but received regular feed for 4 weeks. Group two received Fin-Immune and were challenged similarly, but continued to receive Fin-Immune throughout the trial. Group three (positive control) never received Fin-Immune and were challenged after 6 weeks. There was a lack of increased protection among both groups of Fin-Immune fed fish with cumulative mortality rates either higher (~90%) or similar (~70%) to control fish; although, growth rates were slightly higher among the group of trout continuously fed the product. Blood analysis revealed higher concentrations of immune-cells among fish fed the immunomodulator; however, this increase was not correlated with enhanced protection against the bacterium. More testing is required prior to any commercial use of Fin-Immune at a trout hatchery.

VIU Collaborators: Undergraduate students Cora Moret; Lisa Harris; Graham Cruise; Rachel Saraga; Danielle Lewis; Amanda Stull; Marie Sandeman-Allen

DR. STEFANIE DUFF

Article

"Cardiovascular System of Anomuran Crabs, Genus *Lopholithodes*"

Journal of Morphology, 269, 1295-1307(2008)

Cover article.

Community Based Education

"Five Minutes with Darwin"

A regular radio segment aired on CHLY's weekly VIU science show *Not Rocket Science*. The show discusses Darwin and the field of evolutionary biology in honour of his 200th Birthday and 150 years since the *Origin of Species* was published.

VIU Collaborators: Dr. Liz Gillis; Dr. Gara Pruesse; Dr. Greg Arkos; Dr. Todd Barsby; Dr. Allan Gibson; Dr. David Bigelow; CHLY - 101.7

Thesis Supervision

"Bycatch Reduction in the Pacific Spot Prawn (*Pandalus platyceros*) Fishery" Favaro, B., Master of Science, SFU and VIU

Other Activity

Editing and directing student-authored articles published in the *Navigator* or aired on CHLY

Science students are encouraged to create general audience papers or radio segments for publication in the *Navigator* or on CHLY. The objective is to share knowledge with a broader audience. Published papers from this year include: Michelle Lamarche's "Darwinian Medicine, an Approach to Pregnancy", Keith Halper's "The Tequila Worm", Will Merchant's "The Imperial March of Christmas Island", Kate Rolheiser's "The Other Edible

Invertebrates”, and Kirsti Brennan’s “How Herman the Platyhelminthes met Monks the Cat” (CHLY – aired on *Not Rocket Science*)

VIU Collaborators: Dale Wik; Dr. Todd Barsby; Dylan Perry

Workshops

World Wildlife Fund – Aquaculture Dialogues (Dec. 2008; Victoria)

A panel of experts discussed the creation of a WWF sustainable certification stamp for bivalve products.

Marine Conservation Caucus Workshop (Nov. 2008; Vancouver)

Conservation biologists from NGOs, Universities, Government and First Nations gathered to discuss the creation of a unified conservation network.

PNCIMA (Pacific North Coast Integrated Management Area; March 2009; Vancouver)

Stakeholders from BC’s coast (including fishermen, aquaculturists, conservationists, researchers, educators, First Nations, government) gathered to discuss the PNCIMA’s (all marine waters and tributaries from Mid-Vancouver Island to Alaska) sustainable management plan.

BC Community Eelgrass Network Symposium (March 2009, Qualicum)

A discussion of ways of mapping and planting eelgrass, an important and diminishing ecosystem, throughout BC.

VIU Collaborator: Laura-Jean Kelly

GORDON EDMONDSON

Research Project

The Effects of Egg Absorption and Egg Size on Fertilization and Hatch Rates of Larval White Sturgeon

A comparison of egg size, fertilization, growth rate and survival of offspring between a female that had reabsorbed her eggs (2-year spawning cycle) and a female that spawned successfully (3-year spawning cycle). White sturgeon (*Acipenser transmontanus*) produce varying sizes and numbers of eggs, depending on their size, age, condition and health. If spawning conditions are not ideal, a female may reabsorb her eggs. This appears to provide a significant energy boost to her, which may alter the interval between subsequent spawnings and the overall size of her eggs. This study determined that the average size of the eggs and larvae of the 2-year cycle fish were smaller than those of the 3-year cycle fish. Initial growth and survival rates appeared to be equivalent between the two groups of larvae. Preliminary results show that, other than size, there is no significant difference between 2- and 3-year cycle eggs and larvae that would affect survival and growth.

DR. HELEN GURNEY-SMITH

Article

“Effects of Microalgal Diets on the Growth and Survival of Larvae and Post-larvae of the Basket Cockle, *Clinocardium nuttallii*”

(In press). *Aquaculture* doi:10.1016/j.aquaculture.2009.04.032 (2009)

An investigation of the nutritional value of four microalgal species on the growth and survival of different development stages of the basket cockle, which is a native B.C. bivalve species. Diets were fed in single and bi-species combinations. Larval shell growth was found to be the greatest with both single and mixed species diets comprising TISO. However for the later post-larval stage optimal growth was found in single and mixed species diets containing the diatom *Chaetoceros muelleri*. Certain diets were found to be of poor nutritional value for the growth and survival. Recommendations are made for the hatchery production of basket cockle seed.

VIU Collaborator: Dr. Wenshan Liu

Conference Presentations

“The Myt-OME Project: The Development of a Health Assessment Tool for Marine Mussels”

Genome British Columbia Winter Symposium, Vancouver. January 2009

“Cockles, the New Frontier: Past, Present and Future Research and Applications”

Aquaculture Association Canada, Nanaimo, May 2009

A presentation of research data from the early and hatchery development stages of the native basket cockle, including embryogenesis, broodstock development, diets and rearing conditions, and discussions of the current stage of cockle research, investigating on-growing strategies for this potential aquaculture species.

VIU Collaborator: Dr. Anya Epelbaum

“The Myt-OME Project: The Development of a Health Assessment Tool for Marine Mussels”

Aquaculture Association Canada, Nanaimo, May 2009

A discussion of the need for developing genomics resources for marine mussels, and the current project to develop a microarray for multiple species, enabling analysis of gene expression patterns of novel and known genes, in response to environmental and anthropogenic stressing factors.

“Development and Optimization of Commercial Hatchery Production and On-growing Techniques for the Indigenous Cockle (*Clinocardium nuttallii*)”

Aquaculture Pacific Exchange, Campbell River, September 2008

VIU Collaborator: Dr. Wenshan Liu

“Current Aquaculture of the Native Cockle (*Clinocardium nuttallii*) in British Columbia and Marketing Potential”

Aboriginal Aquaculture Association, Campbell River, November 2008

VIU Collaborator: Dr. Wenshan Liu

Research Projects

On-growing Investigations for the Optimal Commercialization of the Indigenous Basket Cockle (*Clinocardium nuttallii*)

A project researching nursery grow-out techniques and strategies to provide valuable recommendations for the management and sustainable production of basket cockles through the responsible development of a new native aquaculture species of cultural significance.

VIU Collaborator: Dr. Anya Epelbaum

Development of a Health Assessment Tool for Marine Mussels (*Myt-OME*)

A study using gene transcriptional analysis to create sensitive biomarkers in marine mussels for use in both ecological and aquaculture sectors. Marine mussels are established worldwide keystone bio-indicator species and aquaculture organisms; stress responses are mediated through changes in gene expression. With increasing and competing coastal zone utilization, BC needs effective diagnostic tools of coastal ecosystem health and function. One of the major problems in assessing shellfish health is how to determine the organism’s response to multiple stressing agents in the natural environment, such as temperature, salinity, oxygen levels and diet, as well as to anthropogenic effects, such as xenobiotic pollution and aquaculture husbandry methods. Unexplained shellfish mortalities are likely a complex interaction of these factors.

Development and Optimizing Commercial Hatchery Production Techniques for the Indigenous Cockle (*Clinocardium nuttallii*)

A research project to identify the optimum conditions to promote the growth and survival of the larval and post-larval stages of native basket cockles, a species identified as suitable for aquaculture development. Investigations will be made into stocking densities, food types, and rearing temperatures.

VIU Collaborator: Dr. Wenshan Liu

Workshop

Species Overview: Cockle (*Clinocardium nuttallii*)

Aquaculture Species Diversification Workshop, Sector Strategies Initiative, Department of Fisheries and Oceans, Nanaimo BC. March 2009

A discussion of the potential for the aquaculture development of the native cockle, including markets.

Mathematics

DR. LEV IDELS

Articles

"Bioeconomical Ricker's Model of Marine Protected Areas"

Submitted to *Applied Mathematic Sciences*

A presentation, based on a classical Ricker's model, of the deterministic nonlinear sink-source model of Marine Protected Areas (MPA). Sufficient conditions for the existence of positive bounded steady-states are obtained. The present value of net revenue is maximized subject to population dynamics in the fishing zone and in the protected area. The analysis has shown that there is an optimal equilibrium solution, and the best harvesting policy to attain this equilibrium position is a bang-bang control effort. It was demonstrated numerically by comparing the optimal harvesting rate against a constant harvesting rate, and the fast convergence to the optimal equilibrium guarantees greater profits under the optimal harvesting strategy.

"Nonautonomous Food-Limited Fishery Model with Adaptive Harvesting"

Submitted to *Applied Mathematics and Comp.*

The biological motivation of the food-limited model with variable parameters is introduced. New criteria are established for the existence and global stability of positive periodic solutions. To prove the existence of steady-state solutions, the upper-lower solution method is used, where the existence of at least one positive periodic solution is obtained by constructing a pair of upper and lower solutions and application of the Friedreichs Theorem. Numerical simulations illustrate effects of periodic variation in the values of the basic biological and environmental parameters and how the adaptive harvesting strategies affect fishing stocks.

"Nicholson Blowflies Differential Equations Revisited: Main Results and Open Problems"

Submitted to *Applied Mathematics Modeling*

A review covering permanence, oscillation, local and global stability of solutions for Nicholson's blowflies differential equation. Some generalizations, including the most recent results for equations with a distributed delay and models with periodic coefficients, are considered. This paper presents, in a unified way, an overview of the classical Nicholson's model and the results obtained for such model, in order to serve the dual purpose of reviewing results that are not very widely known and scattered in the original papers, and of posing some open problems. Emphasis is placed on the most important properties of the model such as existence of positive solutions, persistence, permanence, oscillation, and stability.

Thesis Supervision

MSc thesis: "Nonautonomous Fishery Models with Adaptive Harvesting"

MSc student Artur Khokhlov, Chelyabinsk South Ural State University, Russia

A thesis illustrating various effects of the varying environmental carrying capacity and intrinsic rates on dynamics of marine populations. Application of the food-limited model with gamma-nonlinearity is consistent with fishery data, and supports a well-known feature of the population models: average population size decreases with an increase of amplitude of variation in the carrying capacity $K(t)$, but the dynamics of the population must ride on this highly variable resource. On other hand, even large oscillations in $r(t)$ alone leave the system's behaviour practically unchanged. However, the qualitative behaviour of the system depends critically on the phase difference between the oscillations in $r(t)$ and $K(t)$. For example, if functions $r(t)$ and $K(t)$ have a 180 degrees phase shift, then the relationship between the average population size and environmental and demographic variations is very different.

Ph.D. thesis: "Qualitative Theory of Nonlinear Differential Equations with Delay"

PhD student Liora Troib, Ben-Gurion University, Israel

A study of the qualitative properties of general nonautonomous nonlinear systems of DDE to develop further the theory and applications of monotone dynamical systems, including the linearized oscillation method; to revisit some open problems and test conjectures for nonlinear and nonautonomous systems with delay; and to construct a combination of the Pull-back Attractors method and geometrical techniques for the stability analysis of certain nonlinear systems with multiple delays. Co-supervision.

Reviews

"A New Approach to Periodic Solutions of Bam Neural Networks with Both Variable and Distributed Delays"

Q. Song and J. Cao. *Journal of Discrete Math in Nature and Society*, April 2009

"Larose versus M. Triola *Essentials of Statistics*, 3rd Edition"

W. H. Freeman and Worth Publishers, February 2009

A review of W. H. Freeman's new member in its statistics family *Discovering Statistics* by Daniel Larose, which is an introductory statistics text to be published this coming January. While balancing computational methods and data interpretation, Larose helps students think critically about statistics and develop their own statistical sense. *Discovering Statistics* has been getting rave reviews from instructors and students for its fresh pedagogy, contemporary examples, and engaging writing style.

Peer review of "Business Mathematics with Excel"

Pearson Education Canada is developing this brand new book for publication in January 2010.

"The Continuous Harvesting on Predator-prey Model with Impulsive Stocking and Stage-structured"

Huidong Cheng. *Journal of Biological Systems*, April 2009

"Stability and Bifurcation of a Prey-predator Model with Time Delay"

T. Kar et al. *Journal of Applied Mathematics and Computing*, July 2008

"New Conditions for Global Exponential Stability of a General Class of Recurrent Neural Networks with Variable Delays"

Z. Guo and L. Huang for *Journal of Mathematical and Computer Modelling*, December 2008

"A Feedback Control Law to Stabilize a Harvested Fish Population System"

E. El Mazoudi et al. *Journal of Biological Systems*, September 2008

Research Project

Windows-based Solver for Functional Differential Equations with Impulses and Advanced Argument

A program designed for numerically solving ordinary, functional and partial differential equations, difference equations and much more. It can be used for solving problems arising in mathematics, physics, chemistry, economics, and biology. The program is most useful for teaching, doing research, and creating simulation. The algorithm is based on an adaptively stepped embedded RK2(3) scheme with cubic hermite interpolation of lagged and advanced variables.

Physics

DR. PARIS POLYDOROU

Conference Presentation

"Combining Social Networking and Massive Multi-Player Online Gaming with Mobile Devices to Promote Sustainable Travel"

SDH/SEMI 2008 in Vancouver, June 2008

Resource Management Officer Technology

DR. LIZ GILLIS

Article

"Life History Correlates of Alternative Migratory Strategies in American Dippers"

Ecology, 89:1687-1695 (2008)

An empirical study on an aquatic songbird, the American Dipper, in which we test hypotheses regarding the evolution and persistence of multiple migratory strategies within a population.

Co-authors: D.J. Green (SFU), H.A. Middleton (SFU), and C.A. Morrissey (SFU).

Workshop

Species at Risk Workshop

By invitation, attended a workshop on management of Species at Risk in Canada, organized by the Secretariat for Species at Risk, Biodiversity Centre, UBC, October 18, 2008.

DR. JOHN MORGAN

Articles

"Complete Intracellular pH Protection during Extracellular pH Depression is Associated with Hypercarbia Tolerance in White Sturgeon, *Acipenser transmontanus*"

Baker DW, V Matey, KT Huynh, JM Wilson, JD Morgan and CJ Brauner. 2009

American Journal of Physiology 296: R1868-R1880

VIU Collaborators: Fisheries and Aquaculture Department

"Size Dependent Early Salinity Tolerance in Two Sizes of Juvenile White Sturgeon, *Acipenser transmontanus*"

Mojazi Amiri B, DW Baker, JD Morgan and CJ Brauner. 2009

Aquaculture 286: 121-126

VIU Collaborators: Fisheries and Aquaculture Department

Board/Committee Work

Served as a public member on the Bridge Coastal Restoration Program (BCRP) Vancouver Island Fisheries Technical Review committee, the group responsible for approving funding for fish restoration projects in the BC Hydro power generation watersheds on Vancouver Island.

Faculty of Social Sciences

Anthropology

HELENE DEMERS

Conference Presentations

"Away from the River: Narratives of Place from the Cowichan Campus"

5th International Conference on Indigenous Education: Pacific Nations, Honolulu, Hawaii, May 26-29, 2009

VIU Collaborator: Ruth Kroek

"Images of Homelessness: Implications for Action"

Co-authors: Bernie Pauly; Margo Matwychuk

Growing Home: Housing and Homelessness Conference in Calgary, February 2009

"Aboriginal Educators Discuss Recognizing, Reclaiming and Revitalizing Their Multi-Competences in Heritage/English Language Usage to Promote Aboriginal Students Success in Formal Education"

Discussant with Ruth Kroek (VIU) of a paper by Marlene Atleo & Laara Fitznor

"Celebrating the Local, Negotiating the School": Symposium on Language and Literacy in Aboriginal Communities, University Of Saskatchewan, Saskatoon, Sask. November, 2008

VIU Collaborator: Ruth Kroek

Other Activities

Annual Anthropology Department Fair Trade Bazaar

Shop with awareness: featuring fairly traded goods from Global Village Nanaimo, EQUIP, Good Seed Grain Merchant, organic tea from Fertile Ground, gifts and jewellery from South America, traditional felted crafts from Kyrgyzstan, and more. This year, some of the Kyrgyz women from Altyn Oimk, a women's cooperative which felts the woollen goods were in attendance.

VIU Collaborator: student Bethany Scott

Cowichan 2008 North American Indigenous Games Education Symposium

Member of the Cowichan 2008 North American Indigenous Games Education Symposium Organizing Committee. Co-chair of the Cowichan 2008 North American Indigenous Games Education Symposium Research Committee. Author, Cowichan 2008 North American Indigenous Games Education Symposium Research Guidelines.

VIU Collaborators: Ruth Kroek; Dan McDonald; Jenny Horn, Maria Lauridsen; Sharon Hobenshield; Sylvia Scow; Leslie King; Uncle Ray Peter; Henrietta Dessombes; students Tara Thorne and Katie Day

Production/Performance

Miyo Acimowin: The Good Story

Co-organizer with Student Services, Cowichan Campus of *Miyo Acimowin: the Good Story*, a Puente Theatre Production performed by Cree/Metis performer Rob Hunter. Funds raised were donated to the Annette Deroux Scholarship Fund.

VIU Collaborators: Ruth Kroek; Florence James; students

Fundraiser film screening *Broken Down*

Co-organizer with Anthropology 316 (Anthropology of Homelessness) students and Student Services of fundraising screening of *Broken Down*, a story of homelessness in the Cowichan Valley by Cowichan film maker Harold Joe. A discussion with the film maker followed the screening, with proceeds of the screening donated to the Canadian Mental Health Association Cowichan Valley Branch, which is building a Cowichan Community Housing Resource Centre.

VIU Collaborators: Student Services; students; Florence James

Professional Service

Advisor for "Tiga Talk", a six part series for Aboriginal preschoolers

Assisted Hummingbird Productions with researching and establishing contact with Aboriginal artists and language teachers in Coast Salish Communities on Vancouver Island.

Partnerships for Tomorrow Program (CIDA) grant recipient

Co-applicant with Friends of Bokonbaevo of Partnerships for Tomorrow Program (CIDA) to promote Kyrgyz felted crafts in Canada and to facilitate market research and cross-cultural exchange with Coast Salish weavers and Cowichan knitters.

The following lectures and events were organized: "The Traditional Felting Techniques of Kyrgyzstan" by Zhanyl Baisheva (November 18, 2008); "Mazar Worship in Kyrgyzstan" by Gulzhan Kudabaeva (November 19, 2008); "The Traditional Felting Techniques of Kyrgyzstan" by Zhanyl Baisheva (November 27, 2008); Luncheon with Cowichan Elders (November 27, 2008); Visits with Coast Salish weavers and knitters Mrs Dora Wilson

and Mrs Margaret Roland (November 27, 2008); Meeting with The Social Justice Club at Francis Kelsey Senior High School (November 26, 2008).

VIU Collaborators: Department of Anthropology; International Education; student Bethany Scott

Projects

You Are Beautiful: An Anthropology and Carpentry Apprentice Student Collaboration

A cross-disciplinary and inter-departmental collaboration between the Trades, Credit Programs and Anthropology. The interactive art installation symbolizing diversity is part of the *You Are Beautiful* project started in Chicago in 2004. The project has inspired people around the world to create installations in public places. More information about the *You Are Beautiful* project and examples of other installations can be found at www.you-are-beautiful.com.

VIU Collaborators: Maureen McGillivray; Jim Cooper; students

Vancouver Island University Oral History Project

Under the guidance of the professor, the students, in partnership with Vancouver Island University administration, are conducting the first stage of the VIU Oral History Project. The personal and vitally important stories of this institution are in danger of being lost and are not apparent in the records kept and documents signed. The Vancouver Island University Oral History Project seeks to record and honour the voices of those who built the institution from the ground up by establishing a digital VIU oral history archive.

VIU Collaborators: Undergraduate students; Dr. Ralph Nilson; Dr. Anne Leavitt; Toni O'Keefe

Review

"Maps of Experience: The Anchoring of Land to Story in Secwepemc Discourse; Hang Onto These Words: Johnny David's Delgamuukw Evidence; The Diary of Abraham Ulrikab: Text and Context"

Australian Journal of Anthropology Vol.19 (3) (2008)

DR. GAY FREDERICK

Article

"Exploring Variability in Maritime Resource Use on the Northwest Coast: A Case Study from Barkley Sound, Western Vancouver Island"

Canadian Journal of Archaeology, 32,2 (2008)

Co-authors: Alan D. McMillan, Iain McKechnie, Denis E. St. Claire and S. Gay Frederick

Chapter

"Neoglacial Distribution of North Pacific Pinnipeds Addresses Fundamental Questions about Ringed Seal and Fur Seal Life History"

In Sea Dogs of the North Pacific: The Archaeology and Historical Ecology of Seals, Sea Lions. Eds. T. Braje and R. Torrey

Co-author: S.J.Crockford

University of California Press, LA. In review.

Conference Presentations

"Marine Fisheries and Marine Climate Before and During the Little Ice Age on Western Vancouver Island."

Society for American Archaeology 73rd Annual Meeting in Vancouver, March 2008

Co-authors: Iain McKechnie, Audrey Dallimore

"Mid-Holocene Sea Ice Changes in the Bering Sea, Inferred from Archeozoological Analysis of Pinniped Remains from the Eastern Aleutians, Explain Prehistoric Distribution of North Pacific Marine Mammals"

Society for American Archaeology 73rd Annual Meeting in Vancouver, March 2008

Co-author: Susan Crockford

DR. LYNETTE HARPER

Production/Performance

Brief Encounters

An improvised performance, developed and presented with oil painter Pete Kohut, and directed by Tomorrow Dance Collective for Crimson Coast Dance Society's InFringing Dance Festival, November 2008.

Veil

A solo choreographed and performed for *Unmata* at The Dance Centre, Vancouver, November 2008, which explored multiple meanings and misrepresentations of Arab veiling practices. Movement and structure blended contemporary and Arab dance forms.

Research Project

Unveiled: Choreographing Identities in the Arab Diaspora

A multi-year research program contributing to feminist and post-colonial studies of Arab women and identity in diaspora. It focuses on social/cultural identities and issues of representation, as they are understood and experienced by twenty Arab women dance artists in Canada and the U.S. Research methodology will integrate life history research, studio improvisations, performance ethnography and participatory/collaborative analysis using innovative technologies.

VIU Collaborator: Marshall Soules

DR. IMOGENE LIM

Community Based Education

Nellie Yip Guong as a significant historic figure

A collaboration with researchers that has led to the inclusion of Nellie Yip Guong in a poster project, Remarkable Women: Honouring Women from Vancouver Communities, by the Vancouver Parks Board and her recognition as a "person of national historic significance" by the Historic Sites and Monuments Board of Canada. The poster series, of which this is just one, was also showcased at the International Women's Day celebrations at Vancouver City Hall (March 9); Vancouver Museum (January 27 - March 29); SFU (Burnaby campus); and the Vancouver Park Board Arts and Culture website.

"Racism Speak Out!"

Invited speaker in a community event marking International Day for the Elimination of Racial Discrimination, one of three events organized by three community partners, including VIU.

VIU Collaborator: Maria Gomes

"Cumberland Chinatown: Place of Origin and Canadian Identity"

A presentation at VIU, March 7, 2009, as part of the session Cumberland: Past, Present, and Future. This session and the conference (Western Division, Canadian Association of Geographers) were organized by Pam Shaw, VIU Geography. The presentation comments on early immigration and related legislation that affected Chinese labourers and their families in Cumberland's Chinatown. The actual place was particularly significant for these early Chinatown families, being both home and their point of origin in establishing a Canadian identity. This memory of home and origin continues to mark the relationship of Chinatown descendants and the Village of Cumberland in their desire to celebrate its rich history.

VIU Collaborators: Geography Department

Other Activities

Interview subject for *In Chinatown*, a 6-minute documentary on Cumberland's former Chinatown by Wild Zone Films of Vancouver for Bravo!Fact.. Three VIU students assisted and are credited as "Documentary Crew" and "Production Assistants". The film premiered May 14, as part of an international conference in Vancouver, entitled Chinatown & Beyond.

Invited by the Cumberland Chamber of Commerce to speak at their Lunar New Year Celebration about lunar new year celebrations in relation to Cumberland's early Chinese community, February 2009.

CHERYL ROY

Projects

Translations for the Spy Museum

Working with an Anthropology student on translations from French to English for the archaeological displays in the Spy Museum, Spy, Belgium and on the English version of the Spy Museum website.

Scladina Internship

Leading students, for the fifth year, in an excavation in a Middle Palaeolithic Cave [Scladina Cave] in Sclayn, Belgium, one of the few caves excavated on a year-round basis.

Criminology

DR. JOHN ANDERSON

Research Project

Youth Inclusion Project Program Evaluation (Cowichan)

A three-year evaluation project to be undertaken with faculty and students in Health and Human Services and Criminology in collaboration with the Hiiye'yu Lelum Society in Cowichan and the BC Ministry of Children and Family Development. John Anderson and Pat Konkin have initiated this evaluation, which will have a monetary value attached to it (currently under discussion), and opportunities for social service, child and youth care and criminology students to gain work and research experience. The Youth Inclusion Project (YIP) aims to prevent crime by engaging youth in culturally meaningful after-school activities.

LISETTE PATENAUE

Professional Development

Addiction Severity Index Training

New York, May 2009

JOHN WHITEHOUSE

Curriculum Development

Developing an International Justice course to be offered as an elective and as part of an international study tour.

VIU Collaborator: Dr. Hayli Millar

Exhibition

Law Day 2009

A presentation table at the Nanaimo Law Courts for the annual Law Day event, held April 26, 2009. Two Criminology students volunteered to assist in promoting the VIU Criminology program, answering questions from members of the public and providing promotional materials with respect to the Diploma and Bachelors program in Criminology.

Other Activities

Provide Legal Commentary to Local Media

Local media requested legal commentary in relation to the Supreme Court of Canada case of *R. v. D.B.*, 2008 SCC 25, regarding youth sentencing under the Youth Criminal Justice Act for so-called presumptive offences (e.g. manslaughter), where the onus was on the youth to prove why they shouldn't be treated as an adult. D.B., charged with manslaughter, brought a Charter application claiming these reverse onus provisions of the YCJA were unconstitutional and should be struck down. The Supreme Court agreed by a narrow 5-4 margin.

Assessor for the Bora Laskin National Fellowship in Human Rights

A review and written assessment of an application for funding under the Fellowship which is administered by the Social Sciences and Humanities Research Council of Canada.

Professional Service

Member of the Board of Directors for the Nanaimo John Howard Society

Research Project

Bias and Decision-Making in the Criminal Justice System

Ongoing research regarding bias in decision making in the criminal justice system. The project also looks at how the law insulates some actors more than others from scrutiny with respect to these biases.

VIU Collaborator: Undergraduate student

Geography

DR. DON ALEXANDER

Article

"Physical Determinism, Modernism and Mental Health"

Environments Journal 35, no. 3 (2008): 81-86

An overview of the extremes of physical determinism and the neglect of physical environment factors, and of the need to create an appropriate balance in assessing the impact of the natural and built environments on human physical and mental well-being.

Conference Presentations

"Government as Developer: What is the Role of Governments & Public Agencies in Shaping Land Development in BC?"

Facilitated, May 22, 2009, a Round Table of professional associations involved in land-related issues, ranging from planners and architects to land surveyors, real estate appraisers, and engineers. This round table, part of the BC Land Summit, featured Craig Crawford of BC Housing, Neil Godfrey of the Whistler 2020 Development Corporation, and Michael Gordon of the City of Vancouver, and sought to challenge the myth that governments have no legitimate role to play as developers and must leave all development activity to the private sector.

"Place: Reweaving the Fabric of Human Experience"

Healthy, Caring, Inclusive & Green: Annual Conference of the Canadian Institute of Planners and the Manitoba Professional Planners Institute, Winnipeg, 14 July 2008

An overview of the crisis of place in North America, its origins in the ideology of modernism, and steps that are being taken to rectify it through a variety of placemaking practices, each having multiple benefits.

"Visual Tools for Planning for Sustainability: An On-line Smart Growth"

Healthy, Caring, Inclusive & Green: Annual Conference of the Canadian Institute of Planners and the Manitoba Professional Planners Institute, Winnipeg, 15 July 2008

An overview of a suite of free mini-courses on smart growth principles developed by the Smart Growth Canada Network, in which the author played a role.

"Knowledge Convergence and the Emergence of Place: A Case Study of the Oak Ridges"

One Finite Earth: Annual Conference of the Western Division of the Canadian Association of Geographers, Nanaimo, 7 March 2009

A presentation tracing the evolution of concern over the Oak Ridges Moraine, a geographic landform in Southern Ontario, on the part of scientists and professionals, on the one hand, and residents and activists, on the other. The study examines how, when the knowledge of these two groups began to converge, a powerful movement for conservation of the Moraine emerged.

"EcoDensity – Is It the Real Thing?"

Annual conference of the Environmental Studies Association of Canada, Congress of the Social Sciences and Humanities, Vancouver, 5 June 2008
An overview of the history, evolution, political polarization, and challenges associated with the EcoDensity initiative undertaken by the City of Vancouver.

VIU Collaborator: Undergraduate student Ryan Brown

Other Activity**New Spatial Data and Indicators for Canada's Settlements**

One of the national experts advising Infrastructure Canada and Statistics Canada on the development of a new system of urban form indicators relevant to smart growth and sustainability issues. This involves reviewing a discussion paper and a list of proposed new indicators, and, in all likelihood, a national workshop in the fall.

DR. ALAN GILCHRIST**Article****"Technical Summary of Intrinsic Vulnerability Mapping Methods in the Regional Districts of Nanaimo and Cowichan Valley"**

Co-author: Jessica Liggert (Natural Resources Canada)
Natural Resources Canada Open File Report (in press)

VIU Collaborators: Dr. Steve Earle and Dr. Erik Krogh

Conference Presentations**"Vancouver Island Groundwater Vulnerability Mapping Project"**

GIS Day Conference, VIU, November 2008

"Intrinsic Vulnerability Mapping on Vancouver Island"

BC Groundwater Association Convention, Vernon, BC, March 2009

Other Publication**"RDN Electoral Area A – Groundwater Assessment and Vulnerability Study"**

Co-author: Gilles Wendling

For The Regional District of Nanaimo (RDN), Development Services

A collaborative project investigating the use, availability, movement and sustainability of water resources in RDN Electoral Area A as part of the ongoing Official Community Plan (OCP) review for Area A.

Research Project**Vancouver Island Water Resources Vulnerability Mapping Project**

A multi-year inter-disciplinary collaborative initiative to develop a geographically based information system characterizing groundwater vulnerability to surface pollution on Vancouver Island. The project involves VIU, the BC Ministries of Environment and Health, Natural Resources Canada and currently the Regional Districts of Nanaimo (RDN) and Cowichan Valley (CVRD). The pilot project for the RDN and the CVRD was completed this year, the third of four years, including the mapping and technical report, which was peer reviewed. The project is now being expanded to analyze the rest of Vancouver Island and three students from the Advanced Diploma in GIS applications (Pam Newton, Lynne Lawson and Chris Achtzner) assisted in assembling the required data, automating procedures and streamlining the mapping process.

VIU Collaborators: Dr. Steve Earle (Geology); Dr. Erik Krogh (Chemistry)

Workshop**"Vancouver Island Groundwater Protection and Planning"**

In Nanaimo, BC, June 2008 in conjunction with the BC Ministry of Environment and Natural Resources Canada

A workshop for urban planners to provide a framework for the integration of groundwater assessment and vulnerability maps into the regional planning process.

PAM SHAW**Book*****A Field Guide to Communication***

A comprehensive introduction to four areas of communication: writing, research, presentations, and illustrations. The book gives students in the humanities and social sciences the skills needed to move into their chosen professions, and provides working professionals with a valuable resource to refresh and improve their skills. Published by Oxford University Press, Canada

DR. HANNAH WILSON**Article****"Heterogeneity Characteristics of an Inland Wetland Environment through Spatio-spectral Analysis"**

Canadian Journal of Remote Sensing, 34, 3 (2008)

Co-authors: Dr. Marilyne Jollineau; Dr. Philip Howarth

An entirely new approach to quantification of the diversity of species within a given area based on spatial statistical analysis of airborne hyperspectral data and the conceptual relationship between diversity and spatial heterogeneity. Unlike abundance counts from field surveys, spatial heterogeneity categories were derived by calculating local spatial autocorrelation of spectral values in the blue, green, red, and near infrared regions of the spectrum. The result is a categorical map of heterogeneous/homogeneous areas within an inland wetland environment in Southern Ontario.

Conference Presentations**"Stanley Park: A Study of Windstorm Disturbance in Mid-latitude Urban Forests"**

Western Division of the Canadian Association of Geographers Annual Meeting One Finite Earth in Nanaimo, March 2009

The use of satellite image analysis for mapping post-windstorm ecological succession in Stanley Park.

VIU Collaborator: Undergraduate student Craig Hawtin.

"Spatio-spectral Analysis for Mapping Heterogeneity Characteristics of an Inland Wetland Environment"

Western Division of the Canadian Association of Geographers Annual Meeting One Finite Earth in Nanaimo, March 2009

Other Activities

Peer review for Chapters 22 and 23 of textbook *Physical Geography: Science and Systems of the Human Environment*

4th Canadian edition, Strahler (2009), published by Wiley

Peer review for a manuscript submitted to the *Canadian Journal of Remote Sensing*

Global Studies**DR. CATHERINE SCHITTECATTE****Community Based Education****Global Studies Public Speakers Series**

Initiated a partnership, at the request of NGO Global Village Nanaimo, and organized with student work-op a series of evening public speakers (two in the Fall and two in the Spring) from the non-profit community involved in social justice/development activities locally and globally.

VIU Collaborators: Department of Geography; Culinary Arts; undergraduate student

Professional Service

Supervised two research papers presented by students at the Canadian National Students' Conference in International Development Studies: Insight, an undergraduate conference included in the 2009 Congress of the

Humanities and Social Sciences in Ottawa, May 27–30, 2009. “The Socio-economic Impacts of Sugar Cane Ethanol on Rural Development in Brazil” was based on a Global Studies internship in Brazil; “People and the Environment before Profit: The Cuban Development Model” was based on a Global Studies internship in Cuba.

VIU Collaborators: students; Global Studies Internship Committee; STAR Committee; International Education; Office of the Dean of Social Sciences.

Developed educational internship opportunities in Ghana, April 26 to May 26, and initiated inter-institutional linkages with various Ghanaian Universities. The CIDA-VIU Ghana Canada Partnership for Environmental Education project tour allowed for development of relations with the NGOs in the city of Sunyani region where the project has been implemented over the past three years. Initiating contacts with NGOs in the cities of Accra and Cape Coast, and with the University of Ghana at Legon (Accra) and Cape Coast University (Cape Coast) will allow VIU to facilitate and coordinate future studies and internships for VIU students and faculty.

VIU Collaborators: Recreation and Tourism Management; Health and Human Services; undergraduate student; International Education; Dr. Anne Leavitt

Liberal Studies

DR. JOHN BLACK

Research Projects

Translation of Alexandro Malaspina's Political Axioms Concerning America
A translation from Spanish, with student Research Assistants María Soto de Podriske and Lorill Ireland, of the main political document emanating from the Malaspina expedition. The report warned Spanish monarchy its Pacific colonies would revolt unless freed from restrictive tariffs and trade practices. For this unwelcome message, Malaspina was gaoled for sedition after returning to Spain; his prediction, nevertheless, was fulfilled within 20 years.

Translation of Alexandro Malaspina's General Theses from Physics
A translation from Latin of the only book by Malaspina published in his lifetime, a broadly philosophical work dealing with the conceptual basis of Newtonian mechanics.

DR. MARK BLACKELL

Book

Rousseau and Desire

A co-edited collection of papers on Jean-Jacques Rousseau's political theory accepted for publication by the University of Toronto Press in the fall of 2009.

Co-editors: Dr. Simon Kow, University of King's College (Halifax) and Dr. John Duncan, Trinity College, University of Toronto

Workshop

Radical Humanities Symposium, University of Calgary

Attended, with others in the VIU Clemente Course in the Humanities, a symposium of radical humanities courses that operate in different Canadian communities.

VIU Collaborator: Undergraduate student

DR. LISA MACLEAN

Exhibitions

Artist's Bookwork: *Book of Hours and Sachsenhausen*

Two handmade and handbound artist's books consisting of two poems and 24 photographs. Presented at the 5th International Artist's Book Triennial Vilnius 2009 on the theme of Text. 30 April to 16 May 2009 at Gallery Arka, Vilnius, Lithuania.

Artist's Bookwork: *Book of Hours and Sachsenhausen*

Two handmade and handbound artist's books consisting of two poems and 24 photographs. Presented at the 5th International Artist's Book Triennial Vilnius 2009 on the theme of Text. 12–15 March 2009 at the Leipzig Book Fair, Leipzig, Germany.

Research Project

Ruination

May 2009: A one-month residency at the Gumusluk Academy, Gumusluk, Bodrum/Mugla, Turkey investigating the concept of ruination. The Gumusluk Academy describes itself as a “thought farm” where arts, philosophy and the sciences are conjoined with nature. Its Residency Program Objectives are to support various education, research, discussion and demonstration activities on literature, philosophy, fine arts, science, politics etc. by multidisciplinary individuals or groups. Production of site-specific installations in several locations around Gumusluk, consisting of found objects, photography, video, and sound.

Ruination

April 2009: Production of seven site-specific installations, consisting of found objects, photography, video, and sound, in locations around the town of Kas on the south Mediterranean coast of Turkey. Locations included a 4th c bce Doric house monument tomb, a 2nd c bce Hellenistic Theatre, and 4th c bce Lycian cliff-cut rock tombs.

Ruination

March 2009: A one-month residency at the Babayan Culture House in Ibrahimpasa, Cappadocia, Turkey investigating the concept of ruination. Production of 16 site specific installations in several ruined cave houses in Ibrahimpasa village, consisting of found objects, photography, video, and sound.

Social Sciences

Philosophy

BOB LANE

Reviews

A review of *Run for Your Life*

Metapsychology Online Reviews, June 2, 2009 (Volume 13, Issue 23)

The second Michael Bennett book by Patterson and Ledwidge. It's a good time to get in on the series since only *Step on a Crack* precedes this action packed novel. If you enjoy audio books this is one that will surprise and thrill you. Having two readers who are experts at their craft adds to the enjoyment.

A review of *Feminist Philosophy and Science Fiction: Utopias and Dystopias*

Judith A. Little (Editor), Prometheus Books, 2007, Jan. 6, 2009 (Volume 13, Issue 2)

A review of Plato: *A Guide for the Perplexed*

Gerald A. Press, Continuum, 2007, Oct. 7, 2008 (Volume 12, Issue 41)

A review of Shakespeare: *A Life in Seven Chapters*

Edward S. Brubaker, Franklin & Marshall College, 2008
Metapsychology, Nov. 25, 2008 (Volume 12, Issue 48)

A review of *Mill's Utilitarianism: A Reader's Guide*

Henry R. West, Continuum, 2007
Metapsychology, Nov. 4, 2008 (Volume 12, Issue 45)

A review of *Persons and Things*

Barbara Johnson, Harvard University Press, 2008
Metapsychology, Oct. 14, 2008 (Volume 12, Issue 42)

A review of The Modern Art of Dying: A History of Euthanasia in the United States

Shai J. Lavi, Princeton University Press, 2007, Jan. 13 2009 (Volume 13, Issue 3)

A review of Undermining Science: Suppression and Distortion in the Bush Administration

Seth Shulman, University of California Press, 2008
Metapsychology, July 29 2008 (Volume 12, Issue 31)

A review of Black Elk Speaks

John G. Neihardt, Audio Literature, 2007
Metapsychology, Aug. 19 2008 (Volume 12, Issue 34)

A review of Notebooks 1951–1959

Albert Camus Ivan R. Dee, 2008
Metapsychology, Sept. 2 2008 (Volume 12, Issue 36)

A review of Science and Nonbelief

Taner Edis Tue, Sept. 16 2008
Metapsychology (Volume 12, Issue 38)

A review of Einstein and Oppenheimer: The Meaning of Genius

Silvan S. Schweber, Harvard University Press, 2008
Metapsychology, Sept. 23 2008 (Volume 12, Issue 39)

Pragmatism

One of over two dozen guides printed by Continuum to provide “clear, concise and accessible” introductions to various philosophical writers, thinkers, and subjects that students and the general reader will find valuable in understanding the topics. For the most part, the guides do just that and this one is no exception. The text is readable and indeed clear, concise, and accessible. Pragmatism can be perplexing.

A review of Reason & Emancipation: Essays on the Philosophy of Kai Nielsen

Michel Seymour and Matthias Fritsch (Editors), Humanity Books, 2007, Jan. 27 2009 (Volume 13, Issue 5)

DR. ROBERT PEPPER-SMITH

Other Activities

A May 18, 2009 reading from the manuscript of a new novel at the Whyte Museum in Banff Alberta as part of the Banff Centre’s Live Lit! series.

An invitation to read from the manuscript of a new novel at the Italian Cultural Centre in Vancouver, September 19, 2008.

Professional Development

Writing Studio, Banff Centre for the Arts

An invitation to spend five weeks working on a manuscript at the Banff Centre for the Arts.

Project

Working 10 days in Comitancillo Guatemala on project development for Alianza, a nonprofit society based in Nanaimo that sponsors health care and education programs in the highlands of Guatemala.

Political Science

DR. DAVID LIVINGSTONE

Conference Presentation

“Aristotle’s Polity and the U.S. Constitution: The Middle Class Regime”

A presentation of the spirit and intention of the 1787 U.S. Constitution as being both Aristotelian or Lockean in that it promotes virtue and protects private property. Aristotle says polity is the best regime for most cities, and must include a large middle class. Yet having such a middle class is a matter of “good fortune,” and “the middle form of government has rarely, if ever, existed, and among a very few only” (1296a35). Adopting Locke’s view

of property entails a large increase in a nation’s wealth and therefore the middle class need no longer be rare. Lockean individualism is not hostile to Aristotle’s project, in fact it is meant to serve the purpose of establishing a middling regime that protects and encourages middling virtues.

DR. ALEXANDER NETHERTON

Article

“Site C: Deja Vu or Something New”

Journal BC Studies 161 (Spring 2007)

An op ed, part of the proceedings of a workshop on Site C.

Board/Committee Work

Member of the Advisory Committee on Faculty Governance, 2008, chaired by Dr. Anne Leavitt, which created the new bylaws for the faculty of Social Sciences.

Member of the Steering Committee of Institute for Coastal Research, 2008, engaged in strategic planning, periodic meetings, and a retreat.

Member of the Steering Committee for eLearning Strategic Planning, 2009, participating in deliberations of Committee and writing report.

Curriculum Development

Political Science Representative, Global Studies Review Committee, 2007–08

Participated in the review of the Global Studies Program from January 07 through to December 08. The revised program was implemented in the fall of 2008.

VIU Collaborators: Sociology; Anthropology; Economics; Geography

Coordinator of Majors in Political Science Proposal, VIU, 2007–08

Coordinated the 2007–08 development of a proposed VIU majors in Political Science that was accepted by VIU in 2009 and will likely begin in September 2009 or January 2010.

VIU Collaborators: primarily departmental colleagues, though drew resources from various parts of the VIU community.

Represented VIU Political Science at the Annual Articulation Meetings, part of the British Columbia Political Science Association 2009 Annual General Meeting – Thompson Rivers University, Kamloops BC, May 1–2, 2009.

Workshop

Participant in On the Site C Proposal: Past and Future, a workshop and discussion, 21 November 2008, UBC

A workshop addressing the intention of the BC government to (re)commence a large hydroelectric project on the Peace River. Participants represented an interdisciplinary group of scholars as well as representatives of stakeholders in the project and other energy policy stakeholders.

DR. CATHERINE SCHITTECATTE

Professional Service

Since Spring 2008, have chaired the newly-created STAR Committee that allocates funding from a VP Academic grant for students to attend conferences, as well as allocating the BC Government Funding for student research.

Project

WUSC-VIU Student Refugee Project

An initiative of the Dean of the Faculty of Education, encouraging students to establish a WUSC-VIU Student Club to host a student from a refugee camp. Duties involved attending WUSC conference with student leader and advising students on funding, hosting, and organizing this activity.

VIU Collaborators: students, multiple faculty

The Impact of Cellular Telephone in African Farming

A research project initiated while travelling in Ghana in April – May 2009. A colleague from the Department of Agriculture at the Sunyani Polytechnic will help assess the extent to which cell phones have played a role in farmers' lives.

ALLAN WARNKE**Other Activities**

Invited to attend a formal dinner by the Center for the Studies of the Presidency and Congress honoring Senator Diane Feinstein and Hon. David Walker (former Comptroller General under Presidents Bill Clinton and George W. Bush) at the Willard Hotel (across the street from the White House), and attended the Annual Conference of the American Society of International Law, Washington DC, 25–28 March 2009.

"The Cultural Political Heritage of Vancouver Island"

A review of the historical background of Vancouver Island's unique political culture relative to the rest of British Columbia and Canada.

VIU Collaborators: Elder College

Papers**"Political Parties and the French Presidential Campaign in 2007"**

An examination of the political changes to France's party system and the successful election of Nicolas Sarkozy as French President. An accounting (historically and politically) of how a new "establishment party" emerged that allowed the successful election of Sarkozy. Paper presented to the 66th Annual Meeting of the Midwest Political Science Association, Chicago, Illinois, 3–6 April 2008.

"Cultural Diversity and National Unity in Indonesia"

An analysis of the socio-political features of national integration of the second-most complex society – ethnically, culturally and linguistically – in the world next to India. Presented to the 79th Annual Meeting of the Pacific Sociological Association, Portland, Oregon, 10–13 April 2008.

"The Dion Campaign: Liberalism and the Liberal Party"

An analysis of the development of interfactional rivalries within the Liberal party that allowed the emergence of Stephane Dion as Liberal party leader, with a further look at what eroded his success as party leader and the current state of the Liberal party of Canada. Presented to the Annual Meeting of the Western Political Science Association, Vancouver, British Columbia, 19–21 March 2009.

"Assessing Democracy in China: Reflections on Former Speaker Qiao Shi and the Role of Parliament"

An assessment of the extent of support for a democratic parliamentary system in the Peoples' Republic of China. The paper reviews the relationship between the Communist party and the Chinese parliament through the career of Qiao Shi, former Speaker of the Chinese Parliament. This study argues that Qiao Shi's efforts to establish the rights of elected members of parliament offer a valid indicator of the progress of genuine democracy in China. Presented to the 42nd Annual Conference of the Asian Studies on the Pacific Coast, Victoria, British Columbia, 13–15 June 2008.

"Sovereignty Still at Bay? The State and the Prospects for Global Governance"

An examination of the thesis that international corporations have eroded the ability of modern nation-states to assert their sovereignty in contemporary world politics. The concept of "sovereignty" is reviewed, then assessed in the current international financial and economic climate when both major financial institutions and multinational corporations are currently under stress. Prepared for the 2009 Global Studies Conference held at Zayed University, Dubai, United Arab Emirates, 30 May – 1 June 2009.

Professional Development

Attended the 80th Annual Meeting of the Pacific Sociological Association, San Diego, California, 9–11 April 2009.

Psychology**DR. CAROLINE BURNLEY****Conference Presentation****"Resilience: A Contextualized Approach to Study and Intervention"**

Moderator of this Developmental Symposium at the Annual Convention of the Canadian Psychological Association in Halifax, June 2008.

Research Project**Shiksha Kendra Program: A Commitment to Hope**

A research study investigating an educational program, Shiksha Kendra, for marginalized girls in India. This program is supported by the Delhi Public School Society. Observations and interviews (Jan. – Feb. 2009) with administrators, teachers, parents and students were conducted to investigate how the program contributes to resilience factors in these children, and recommendations were offered, especially with regards to the girls transition into high school within a larger school community.

VIU Collaborators: Resilience Research Lab

Professional Service**"The Value of Research: A Presentation to Tra Vinh University, April 2009"**

A lecture to the Tra Vinh University community on the benefits and challenges, for both faculty and students, of conducting research within an undergraduate degree program.

Consultation with Faculty of Tra Vinh University on the necessary infrastructure for incorporation of student research into various programs, April 2009.

Other Activity

Engaged in a series of public lectures in the English Program at the Victory Center, Tra Vinh University in Tra Vinh, Vietnam. March – April, 2009.

DR. RACHEL COOPER**Conference Presentation****"Symposium on Consciousness – A Multi-Disciplinary Approach"**

Co-chairs: Dr. Robert Harper and Dr. Rachel Cooper

"Telepathy in Children: A Review of the Literature"**"An Exploration into the Remote-Sensing Abilities of Young Children"**

by Rana McKinnon

Society for the Anthropology of Consciousness Annual Meeting. Portland, Oregon, April 2009

VIU Collaborator: Undergraduate student Rana McKinnon

Workshop**"Micropsychokinesis – Direct Mind-Matter Interaction"**

Conducted workshop April 2, 2009 in conjunction with Dr. Robert Harper, Emeritus, SFU, at the annual meeting of the Society for the Anthropology of Consciousness, Portland Oregon, April 2009.

RUTH KIRSON**Board/Committee Work**

Chaired VIU Research Ethics Board, undertaking necessary policy and procedure revisions and initiating important application revisions to help streamline the process. A subcommittee is also looking at web-based tutorials that will help guide applicants.

Conference Presentation**"The International Resilience Project: The Experience of Youth in Nanaimo, BC"**

The International Resilience Project (IRP) focuses on using a contextual approach to understanding what makes youth resilient. Data from youth and those who work with youth in Nanaimo, B.C. was collected using quantitative and qualitative measures. Preliminary results were presented by

co-author Dr. Caroline Burnley at a symposium on resilience at the 69th Annual Convention of the Canadian Psychological Association held in Halifax, NS, June 2008.

Other Activities

Attended the Canadian Association of Research Ethics Boards 2009 National Conference and Annual General Meeting in Vancouver, May 1–2, 2009, compiling a report from VIU attendees for VIU Research Ethics Board.

Attended Ladysmith/Nanaimo Coalition of Youth Services' monthly meetings to contribute to organizations working for youth in the community, and to stay current with projects and initiatives undertaken, such as School District 68's "Windows of Opportunity: Building Resilience in Youth" hosted by the Learning Alternative Program at the Port Theatre.

DR. CHARLES LEMERY

Book

Explorations in General Psychology

A 12-chapter book, printed annually at VIU, and sold as class packs for use as a complementary text in Introductory Psychology classes, PSYC 111 and 112. The book is revised regularly, most recently in 2008/2009.

Chapters

"Being, Belonging, Becoming: Living and Communicating"

A compendium of quotations from around the world, across history and culture, about the significance and, ultimately, the meaning of human social interrelations. The collection, revised and expanded regularly, with editorial updates, is published by VIU as part of the class pack for PSYC. 340 Interpersonal Communication.

VIU Collaborators: Undergraduate students; colleagues; alumnae

"George Herbert Mead and the Advent of Social Psychology"

A long chapter to be used as part of PSYC 310H Great Thinkers in the History of Psychology, which is this year focussing on the work of George Herbert Mead.

DEBORAH MATHESON

Articles

"Evaluating Time Frame Expectancies in Physical Activity Social Cognition: Are Short- and Long-term Motives Different?" (2008)

Behavioral Medicine, 34, 85-93

An evaluation of whether physical activity expectancies, measured with constructs of the theory of planned behaviour, differed as a function of time frame. This research was a collaboration with Ryan Rhodes and Rachel Blacklock from the University of Victoria and Chris Blanchard from Dalhousie University.

"Patient Views: Improving Care for People with Fibromyalgia"

Journal of Nursing and Healthcare of Chronic Illness, 17, 361-168 (2008)

A study to provide healthcare professionals with patients' views on improving care for people with fibromyalgia. Participants with fibromyalgia submitted written responses to open-ended questions about their experiences with physicians, and how care could be improved. Positive interactions with physicians referenced care quality, feelings of respect, and patient involvement. Negative interactions included inadequate care, and an uncaring physician lacking knowledge of fibromyalgia. Surprisingly, the majority of patients in this study reported positive interactions with physicians. This research was a collaboration led by former VIU student Natasha Egeli.

VIU Collaborator: Dr. Elliott Marchant (Psychology)

Conference Presentation

"Comparison of Quality of Life of Older Adults with Dementia Living in a Housing Facility to Those in the Community"

A presentation at the 12th Annual Conference and General Meeting of the BC Psychogeriatric, in Richmond, BC. This study compared the quality of life of individuals with mild to moderate dementia residing in a licensed dementia housing facility to individuals with mild to moderate dementia living in the community with the assistance of a caregiver. This study was a collaboration with Laura Booi, a VIU Senior Project student, and Penny MacCourt, a Research Associate with the Centre on Aging at the University of Victoria.

DR. MELANIE O'NEILL

Article

"Intrusive Thoughts and Psychopathy in a Student and Incarcerated Sample"

Journal of Behavior Therapy and Experimental Psychiatry, 40, 147-157

O'Neill, M. L., Nenzel, M., & Caldwell, W. (2009)

Conference Presentations

"An Examination into Post-Concussion Syndrome Symptoms and the Relationship with Posttraumatic Stress Disorder"

Mulvogue, M. K., Kerber, K., Martinez Sosa, M., Somani, F., Koch, W. J., & O'Neill, M. (November, 2008)

A poster presented at the 42nd annual meeting of the Association of Behavioral and Cognitive Therapies, Orlando, FL.

"Posttraumatic Stress Disorder in an Inpatient Treatment Setting"

Fikowski, J., Plant, E., & O'Neill, M. (November, 2008)

A poster presented at the 42nd annual meeting of the Association of Behavioral and Cognitive Therapies, Orlando, FL.

Project

Membership coordinator for the inaugural board of the Cognitive Therapy Special Interest Group within the Association for Behavioral and Cognitive Therapies.

Sociology

DR. LINDA DERKSEN

Article

"The Intellectual Structure and Substance of the Knowledge Utilization Field: A Longitudinal Author Co-citation Analysis, 1945–2004"

Implementation Science 2008, 3:49 (13 Nov. 2008)

An analysis of the knowledge utilization field, tracing its development between 1945 and 2004. The historical development of the knowledge utilization field was mapped and the changing intellectual structure of its scientific domains identified. Until the mid-1980s, the major domains focused on innovation diffusion, technology transfer, and knowledge utilization. In the mid-1980s the new domain of evidence-based medicine emerged. Everett Rogers and his theory of diffusion of innovations are the dominant paradigm in the field throughout this time period. The study concludes that for this field, the received view that social science disciplines are pre-paradigmatic is not supported. As of May 31, 2009, this article had been accessed 2126 times since publication.

DR. JERRY HINBEST

Conference Presentation

"Pragmatic Can Be Transformative: Participatory Nonprofit Evaluation"

Fifth International Congress for Qualitative Inquiry at the University of Illinois at Urbana/Champaign, May 2009

A study of the perceived accuracy of the knowledge developed using participatory approaches. The growing importance of acknowledging and accommodating stakeholders within evaluation is based on the assumption

that increased ownership and enhanced use result from such knowledge. As the locus of evaluation shifts to nonprofit program delivery, participatory approaches are challenged by stakeholder turnover, multiple and overlapping constituencies, and unrealistic funder expectations. This study found that participatory approaches can pragmatically address some capacity and resource issues, but, to be effective, need to reframe the nature of participation, broaden the perspective on the forms, membership and benefits of participation, and link to broader constituencies.

Other Publication

"Off the Sides of Their Desks: Devolving Evaluation to Nonprofit and Grassroots Organizations"

Completed a Doctor of Education (Ed.D.) program in the department of Educational Studies at the University of British Columbia with a successful dissertation defence in September, 2008. The dissertation examines the complex capacity challenges experienced by small nonprofit and grassroots organizations as they take on devolved program and service delivery, while coping with increased accountability expectations through evaluation. The multiple case study explores the changing and multiple roles of evaluators in supporting these efforts, and argues that evaluators provide more than technical skills and knowledge; they link communities, mediate among stakeholders, foster dialogue and deliberation about programming, and can potentially exacerbate or mitigate impacts on clients, organizations, and local communities.

Research Project

Collaborating for Suicide Prevention: An In-Depth Case Study of a School-Based Suicide Prevention Program

Collaborator on a research project focusing on Knowledge Mobilization related to the youth suicide prevention education program "Choices 2: Reaching Out". Funded by the BC Medical Services Foundation. Principal Investigator: Dr. Jennifer White (UVic).

DR. JOSEPH MOORE

Conference Presentation

"Resisting Red and Green: Why Workers' Environmental Mobilization is Rare, and Why Sociologists Don't Notice..."

A presentation at the annual Canadian Sociological Association (CSA) meetings, University of British Columbia, June 2008, exploring the difficulties and possibilities of labour and environmental movement solidarity and working-class environmentalism in Canada. Activist sociologists were challenged to better recognize and inform inter-movement cooperation and to explore struggles over global warming, urban space and working hours as potentially fertile ground for working class environmentalism.

DR. LAURA SUSKI

Chapter

"Children, Suffering and the Humanitarian Appeal"

In *Humanitarianism and Suffering: The Mobilization of Empathy*. Editors: Richard Brown and Richard Wilson. New York, Cambridge University Press, 2008

Conference Presentation

"Do Good Television as Feel Good Television: Analyzing Altruism in Reality Television"

Annual Meeting of the Canadian Sociological Association, Vancouver, British Columbia, 2008. Panel: Mediated Socialities.

Faculty of Trades and Applied Technology

Culinary Arts

DEBBIE SHORE

Professional Development

Molecular Gastronomy Workshop

Chefs in Culinary Arts attended a workshop with Culinary Team Canada's Hamid Salimian, Executive Sous Chef at Westin Bear Mountain Resort, March 26, 2009. Hamid specializes in working with spherification, gelling compounds, and *sous vide* cookery. Culinary Institute of Vancouver Island chef instructors need to be familiar with this style of food preparation to ensure students learn current food trends.

VIU Collaborators: Craig Rogers; Michael Pelletier; Gordon Cowen; Ken Harper

Information Technology & Applied Systems

BRENT LEE

Workshops

Gathering of Online Community Enthusiasts

A May 1, 2009 gathering at the Segal Building, Vancouver, of individuals involved in online community work interested in sharing information, challenges, questions, and solutions. Creating a support network, pooling resources, and advancing work together were also discussed.

VIU Collaborators: Teaching and Learning Centre; Information Technology and Applied Systems; VIU Online

"School District 69: Digital Me Series"

Digital Teaching Tools 101 will introduce K-12 teachers to Moodle, Wikis, Blogs and other Web 2.0 online tools to support their teaching practice. This course will demonstrate best practices in using these tools collectively. As well, participants will learn about and get access to a wide variety of online applications to support curricular areas.

VIU Collaborators: VIU Teaching and Learning Centre

Conference Presentation

Canadian E-learning Conference (SFU)

A presentation of how to develop interactive program and course maps with scoring guides and rubrics. The challenges encountered are also discussed, as well as the need to design contextual learning environments, applicable to the work world, where students can clearly see what the expectations are and how they will be achieved and assessed.

Other Departments

Library Administration

JEAN BLACKBURN

Professional Service

Member of the Council of Prairie and Pacific University Libraries (COP-PUL) E-Books Task Group. For the January to March 2009 period, the group was tasked with reviewing current practices in e-book acquisitions, surveying COP-PUL members, and compiling a report and recommendations for a consortial e-book acquisition model.

One of two Data Liberation Initiative (DLI) Regional Training Coordinators for Western Canada, organizing "Data through Time and Space", the

annual regional DLIntraining session: ACCOLEDS 2008 (A COPPUL Consortium of Library Electronic Data Services), at Mount Royal College, Calgary, Alberta, December 2–4, 2008.

Data Liberation Initiative Education Committee

Appointed to the Data Liberation Initiative (DLI) Education Committee, a standing sub-committee of the DLI External Advisory Committee, in the role of Regional Training Coordinator for the Western Canada Region (British Columbia, Alberta, Saskatchewan and Manitoba.) The DLI program is a partnership between Statistics Canada and Canadian post-secondary educational institutions to promote and facilitate the availability of Statistics Canada and other Canadian data for educational and academic research purposes.

Workshops

Delivered a workshop on using the Web of Science article index to the VIU Community during the Teaching & Learning Centre's May Days 2008 professional development event. Web of Science is an interdisciplinary database that uses citation indexing to retrieve relevant articles on particular topics, enabling users to identify key authors in a field, trace the impact of particular articles on a discipline, and find papers on a particular topic through shared cited references, regardless of the terminology used by the authors or indexers.

Delivered a workshop entitled "Canadian Data on the Web: Not Just for Methods & Stats" to the VIU Community during the Teaching & Learning Centre's May Days 2008 professional development event. The workshop provided an introduction to SDA (Survey Documentation & Analysis), a web-based tool for subsetting and analyzing Statistics Canada survey data. SDA provides an accessible interface to Canadian socio-economic data sets for undergraduate students

On-Line Development Team

ERIC BIGRIGG

Curriculum Development

ADED 4F33 Curriculum Design for Adult Learners
Curriculum design and development to move face-to-face course to on-line delivery.

ADED 4F32 Facilitation of Adult Learning Pedagogies

Co-writer of course content related to application and evaluation of facilitation methods.

Student Services Cowichan

DONNA KURULAK

Professional Development

Co-Facilitation of Advanced Clinical Training: Somatic Transformation: A Lifespan Approach to Healing Stress and Trauma

Somatic Transformation (ST) is both a trauma model and a somatic education program for mental health practitioners to restore to traumatized individuals, families and communities the aliveness of embodiment with a deep sense of resilience, calm, and meaning. ST was inspired by phenomenology, emerging research in trauma and Interpersonal Neurobiology, practices of somatic awareness and mindfulness, the Regulation Theory of Dr. Allan Schore, indigenous healing practices and the natural world. ST training supports practitioners in integrating emerging research while developing creative, artful and congruent skills. Under the leadership of Sharon Stanley, Ph.D., scholar-practitioner, the training offered multi dimensional, small group, learning processes embodying the principles and practices of Somatic Transformation, including integrating pertinent research, group processes, personal experience, clinical applications and reflection.

Research and Scholarly Activity Committee Awards 2008–2009

Name	Project Title	Amount Awarded
Marilyn Bowering	Completion of a novel entitled The Children's Crusade. Research required for sections of the novel set in France	\$1,000
Dr. Linda Derksen	Examination of the polarized and politicized scientific controversies about sea louse/salmon interactions in the context of salmon farming in BC	One section release
Dr. Lev Idels	Assess ecological- and fisheries-related impacts of Marine Protected areas	One section release
Ruth Kirson, Dr. Caroline Burnley	Seeding of two new projects: a second phase of the Int'l Resilience Project, Nanaimo; and a needs assessment of perinatal programs in the Nanaimo Community. Funding will also be used to support new initiatives associated with the Community Advisory Board	\$1,000
Dr. Richard Lane	Research on the re-naming of First Nations Children in the Residential School era	\$ 900
Lisette Patenaude	To obtain training under Dr. Thomas Coyne who specializes in the Addiction Severity Index	\$ 900
Dr. Naava Smolash	Presentation of paper at TransCanada Three: Literature, Institutions, Citizenship in New Brunswick	\$1,000
Dr. Tim Stokes	Investigation of karst water and sinkholes in forested karst landscapes of coastal British Columbia	\$ 900
Laura Suski	Presentation of paper at Canadian Sociological Association in Ottawa	\$ 700
Marian van der Zon	Presentation of paper at Radio Without Boundaries, in Toronto	\$ 700

Student Research Awards

Undergraduate Student Research Awards (USRA)

Natural Sciences and Engineering Research Council (NSERC) Undergraduate Student Research Awards

Students Selected by the VIU NSERC Scholarship/Awards Selection Committee

The NSERC USRA funds are awarded to students to stimulate interest in research in the natural sciences and engineering. These awards are meant to encourage students to undertake graduate studies and pursue further research careers in related fields. Students are awarded \$4,500 from NSERC with an additional 25% or more from their supervisors.

Mike Armet (Chemistry)

Supervisor: Dr. David Gaumont-Guay
Forest Floor MIMS

Dara Barker (Fisheries and Aquaculture)

Supervisor: Dr. Chris Pearce
Abiotic and Biotic Factors Affecting the Growth/Reproduction of Invasive Tunicate Species

Carol Bob (Fisheries and Aquaculture)

Supervisor: Dr. Todd Barsby
Complete Pheromone Characterization of the Pacific Sand Dollar, *Dendraster excentricus*

Liam Cross (Chemistry)

Supervisor: Dr. Christopher Gill
Supported Liquid Membranes and their use for MIMS

Riley Glew (Psychology)

Supervisor: Dr. Darren Hannesson
Objects and Fear Learning

Cameron Newhook (Chemistry)

Supervisor: Dr. Erik Krogh
Monitoring Benzene Production in Aqueous Media using MIMS

Johanne Picard (Biology and Chemistry)

Supervisor: Dr. Andy Spencer
Culture and Electrophysiology of Cnidarian Photoreceptors

Elizabeth Plant (Psychology)

Supervisor: Dr. Darren Hannesson
Objects and Fear Learning

Canadian Institutes of Health Research (CIHR) Health Professional Student Research Awards

Students Selected by the VIU CIHR Scholarship/Awards Selection Committee

The purpose of this program is to further strengthen clinical research by providing research training to health professionals and strengthen talent development. It is expected that this targeted investment will lead to the development of the next generation of clinician researchers. Students are awarded a maximum of \$4,251 each to conduct a research project of their choice.

Lizabeth Connor (Bachelor of Science in Nursing)

Supervisor: JoAnne Yearley
Supporting New Mothers in their Choice for Infant Feeding

ROBERT McGIBBON (Bachelor of Science in Nursing)

Supervisor: Marilyn Chapman
Responses of Women Nursing Instructors to the Communication Styles of their Men Students

Rebecca Stanley (Bachelor of Science in Nursing)

Supervisor: Lynn Rollison
Exploring the Breastfeeding Experience through the Lactation Management Model Part II: The Breastfeeding Experience

BC Student-Led Research Program

Students Selected by the VIU Student Travel and Research (STAR) Committee

The BC Student-Led Research Program initiative connects the BC Government with university students and their professors to conduct research that addresses public policy issues. It provides students with unique opportunities to apply their research skills to challenges faced by government and encourages them to think of the public service as a place of employment. Funds are provided to students in the form of grants. The maximum amount awarded is \$1,500.

Jeremy Banks (Theatre)

Supervisor: Eliza Gardiner
ACTing on Social Accessibility – A Community Forum

Geri Bemister (Criminology)

Supervisor: Lisette Patenaude
The Evaluation of Guthrie House Therapeutic Community in Nanaimo Correctional Centre, Nanaimo, BC

Gina Bethell (Tourism Studies)

Supervisor: Dr. David Robinson
The Los Santos Community Empowerment Research April 23 – June 2, 2009

Laura Booi (Psychology)

Supervisor: Dr. Deborah Matheson
Comparison of Quality of Life of Older Adults Living in a Licensed Dementia Housing Facility to Community-Dwelling Older Adults with Dementia

Ryan Brown (Economics and Geography)

Supervisor: Dr. Rosmy Jean Louis
An SVAR Analysis of National and Provincial Housing Market Fluctuations

Sheena Falconer (Liberal Studies)

Supervisor: Dr. Harry Janzen
How Early Learning Initiatives Influence Student Reading Outcomes Over Time

Lori Hryniuk (Master of Education)

Supervisor: Dr. Bonita Davidson
Creating Collaborative Learning Teams to Implement and Sustain Assessment for Learning Practices Leading to Improved Student Learning and Achievement

Venessa MacDowell (Master of Education)

Supervisor: Dr. Bonita Davidson
The Impact of Educators Involved in Co-Planning and Co-Teaching using Formative Assessment (assessment of learning) Techniques and New Instructional Practices on Student Achievement and Student Motivation

Ajmer Mehmi (Master of Business Administration)

Supervisor: Don Miskiman
Advisory Boards and BC Small Business

Myriah Mulvogue (Psychology)

Supervisor: Dr. Melanie O'Neill
Behavioral and Characterological Attributions of Blame in Post-traumatic Cognitions of Different Trauma Groups

Fernando Polanco (Biology)

Supervisor: Dr. John Amaral
A Comparison of HIV/AIDS Awareness: Canadian and Tanzanian Youth

Tracy Thompson (Geography)

Supervisor: Dr. Hannah Wilson and Dr. Don Alexander

Adding Value to ongoing Eco-Tourism Project in Costa Rica through Geographic Information Systems, as a Model for Aboriginal Communities in British Columbia

Postgraduate Student Research Awards

Natural Sciences and Engineering Research Council (NSERC) Canada Graduate Scholarships and Postgraduate Scholarships

Students Selected by the VIU NSERC Scholarship/Awards Selection Committee

NSERC Alexander Graham Bell Canada Graduate Scholarships (CGS) and Postgraduate Scholarships (PGS) provide financial support to high-calibre scholars who are engaged in Master's or Doctoral programs in the natural sciences or engineering. The Canada Graduate Scholarships are offered to the top-ranked applicants at each level (Master's and Doctoral) and the next tier of meritorious applicants are offered an NSERC Postgraduate Scholarship. This support allows

these scholars to fully concentrate on their studies and to seek out the best research mentors in their chosen fields. Postgraduate Scholarships are awarded \$ 17,300 and Canada Graduate Scholarships are awarded \$ 17,500.

Michelle Lamarche (CGS)

Proposed Research: "Determining the Role of C-Myc Over-Expression in Cellular Response to Oxidative Damage by Singlet Oxygen"

Erin Rechsteiner (CGS)

Proposed Research: "Photo-Identification Site Fidelity and Foraging Behaviour of Pacific White-Sided Dolphins (*Lagenorhynchus obliquidens*) in the Strait of Georgia, BC"

Danica Patton (PGS)

Awarded in 07/08

"Non-Photoc Manipulation of Circadian Timing: The Role of the Dorsal Raphe Nucleus"

Canadian Institutes of Health Research (CIHR) Canada Graduate Scholarships

Students Selected by the VIU CIHR Scholarship/Awards Selection Committee

The Canada Graduate Scholarships Master's Awards administered by CIHR are intended to provide special recognition and support to students who are pursuing a Master's degree in a health-related field in Canada. These candidates are expected to have an exceptionally high

potential for future research achievement and productivity. The maximum amount awarded for a single award is \$17,500 for up to one year.

Cathy Ringham

"Enhancing Neonatal Care in BC: The demands Neonatal Intensive Care Unit (NICU) nurses experience to provide evidence-based practise in the NICU. "What is the essence of workplace culture that supports on-going, continuing education for RNs in level 2 NICUs?"

Internships

Mathematics of Information Technology and Complex Systems (MITACS) Accelerate BC

Lynda Hutchinson (Education)

Supervisor: Lynda Phillips, Adjunct

Internship: Transforming Early Education: Teachers and Early Childhood Education Students Engaged in Reflective Practice

Student Research Projects

Faculty of Arts and Humanities

English

Juli Snowden

Supervisor: Dr. Richard J. Lane

Project: Autobiographical Narratives of Trauma in Native Residential Schools

Jesse Bourgeault-Trickey

Supervisor: Dr. Richard J. Lane

Project: Images in Literature: Addressing the Graphic Surface

Brenna Snowie

Supervisor: Terri Doughty

Project: Swords, Sorcery, and Stereotypes in Contemporary Epic Fantasy

History

Alyse Waugh

Supervisor: Dr. Cheryl Warsh

Project: Tranquille Sanatorium: Tuberculosis in British Columbia

Katrina Ackerman

Supervisor: Dr. Cheryl Warsh

Project: Saucy, Naughty, Spicy: An Examination of Vancouver's Striptease Industry, 1930–1960

Liberal Studies

Portia Boehm

Supervisor: Dr. John Black

Project: Artistry and Domesticity within *To the Lighthouse*, *Orlando* and *Mrs. Dalloway*.

Laura Buzzard

Supervisors: Drs. Mark Blackell and Lisa MacLean

Project: Speaking the Hidden Word: Being, God, and Language in the Later Heidegger and Three Beguine Mystics

Spanish

Lance Wagar

Supervisor: Dr. Ana María Donat

Project: The Theatrical Innovations of Antonio Buero Vallejo

Theatre

Jeremy Banks

Supervisor: Eliza Gardiner

Project: ACTing on Social Accessibility

Faculty of Education

Education

Kristina Aason

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can poverty be addressed in secondary school classrooms?

Angela Araya

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: What are secondary teachers' and students' attitudes and opinions towards second language education?

Ashley Buhr

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can perspective-taking enhance students' understanding of controversial issues in Social Studies?

Claire Champagne

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can teachers motivate students to be healthy, active individuals?

Jasmine Christian

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can teachers encourage male secondary students to engage in reading for pleasure?

Jennifer Comeau

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can we promote the use of technology in the secondary social studies classroom?

Scott Courtney

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can teachers motivate students to learn in Social Studies and History classes?

Kelsey Didier

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: What is the role and influence of pop culture in the secondary Social Studies classroom?

Chelsey Flood

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How do we motivate girls to participate more in secondary school Physical Education?

Jennifer Johnson

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How do we engage disadvantaged youth to participate in extra curricular physical activity?

Ivy Kinvig

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: Inclusion: How are students accommodated in secondary classrooms?

Matt Koebernick

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: Outdoor Education: What are the perceptions, benefits, and barriers?

Cheri-Lyn Kolchagoff

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: What is the importance of student choice in Music education?

Denyse LaFleur

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can teachers reduce middle school students' anxiety towards Mathematics?

Jaqueline LaFleur

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can teachers motivate reluctant secondary Math students?

Deanna Legare

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can we promote male and female participation in Home Economics?

Laura Mann

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: What relationship, if any, exists between storytelling and trust in the secondary classroom?

Kathleen Matthews

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can varied music education be promoted in middle and secondary schools?

Kathleen McArthur

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: Which strategies effectively engage secondary learners in critical historical thought?

McDonald, Melissa

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How does learning about controversial issues promote critical thinking skills in secondary Social Studies?

Arlene McGuff

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can teachers promote healthy lifestyles in middle school students?

April McLeod

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How do we promote active listening in the classroom?

Erin McMenamin

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How are graphic organizers used in Grade 9 classrooms?

Sara Mellor

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can we promote involvement by students and teachers in school fundraising?

Troy Miller

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can a teacher foster critical thinking skills in a middle school classroom?

Paul Nielsen

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How do we increase subjectivity for greater engagement in historical study?

Sharene Popiel

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: What are teachers' attitudes towards teacher leadership?

Shannon Rigby-Jones

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: What is the place of critical media literacy in the secondary English classroom?

Kirandeep Shahi

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: What are students' and teachers' attitudes towards the teaching of current events in elementary and high school?

Jeremy Slater

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: What are students' attitudes towards leadership?

Rebecca Stannard

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How do educators promote inclusion of the secondary student with a physical disability in Physical Education classes?

Courtney Thiessen

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: What are students' attitudes about transitioning to high school?

Sarah Wadsworth

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How can connections to nature be promoted in schools?

Taryn Westbrook

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: How does pop culture help create deeper text connections for secondary Social Studies students?

Jesse Winter

Supervisors: Laura Harrison, Mike Silverton and Jean Tonski

Project: What are the perceived barriers and benefits of Adventure Education?

Sport, Health and Physical Education (SHAPE)**Ryne Barton**

Supervisors: Brad Reimer and Dr. Guy Le Masurier

Project: The Impact of Manipulating Selected Throwing Phases on Ball Velocity with University Students

Bianca Burton and Stephanie McGinnis

Supervisor: Dr. Guy Le Masurier

Project: Can I Play? Strategies employed by high school physical educators to include special needs youth in Physical Education

Lindsey Chamberlain

Supervisor: Dr. Guy Le Masurier

Project: Hippotherapy and Therapeutic Riding Outcomes: A systematic review of the literature

Gary Cheung

Supervisor: Dr. Guy Le Masurier

Project: Instructor Time Use, Classroom Management, and Feedback during Children's Community Swim Lessons

Colin Cook

Supervisor: Dr. Guy Le Masurier

Project: A Survey of Extracurricular Physical Activities in School District 68 High Schools

Kate Cook

Supervisor: Dr. Guy Le Masurier

Project: Treating Acute Frozen Shoulder with Active-Release Techniques

Gregg Cormie

Supervisor: Dr. Guy Le Masurier

Project: Hydraulics, History and Health of the Nanaimo River: A journey from source to sea

Kylie Crick

Supervisor: Dr. Guy Le Masurier

Project: Delivery and Formative Assessment of an Extracurricular Yoga Program for High School Students

Jessica Duncan

Supervisor: Dr. Guy Le Masurier

Project: Sticking It Out! Leadership attributes in adhering substitute athletes

Kyle Dykstra

Supervisor: Dr. Guy Le Masurier

Project: The First Cut is the Deepest: How does athletic exclusion affect youth and how can extracurricular school sports be more inclusive?

Jennifer Johnson

Supervisor: Dr. Guy Le Masurier

Project: VIU Pre-service Teachers' Knowledge and Feelings about Delivering Daily Physical Activity

Kimberly Knott

Supervisor: Dr. Guy Le Masurier

Project: Development and Dissemination of Sports Nutrition Information for Youth Athletes

Adam Lowry

Supervisor: Dr. Guy Le Masurier

Project: Eating to Win? Examining female athletes' diets

Connor Malbon

Supervisor: Dr. Guy Le Masurier

Project: Strategies for Reducing State Anxiety: A practical handbook for elite varsity coaches and athletes

Shelly McConachie

Supervisor: Dr. Guy Le Masurier

Project: Moving Forward: Physical activity resources for people with special needs

Greg Muirhead

Supervisor: Dr. Guy Le Masurier

Project: Shoot for the Stars! A job analysis of professional hockey strength and conditioning coaches

Michelle Newlands

Supervisor: Dr. Guy Le Masurier

Project: An In-depth Look into the Career of Occupational Therapy

Carissa Oswald

Supervisor: Dr. Guy Le Masurier
 Project: SHAPE Your Future: Career interests and program satisfaction of Sport, Health and Physical education students

Dayne Senini

Supervisor: Dr. Guy Le Masurier
 Project: The Effects of Music Tempo on Self-Selected Rowing Ergometer Work Output

Jaci Stephens

Supervisor: Dr. Guy Le Masurier
 Project: Making Practice Perfect: Observation of activity time and coaching strategies at Nanaimo and District Youth Soccer Association practices

Dan Vincent

Supervisor: Dr. Guy Le Masurier
 Project: How Many Steps at Vancouver Island University? Examining the number of steps/day that students, faculty and staff are taking on Vancouver Island University's Nanaimo campus

Nigel Ward

Supervisor: Dr. Guy Le Masurier
 Project: Job Analysis of Physiotherapy and the Educational Requirements of Selected Canadian Physiotherapy Programs

Kari Watson

Supervisor: Dr. Guy Le Masurier
 Project: A Comparative Analysis of the Anterior Cruciate Ligament (ACL) Rehabilitation Process: A case study examining theory versus practice

Scott Weninger

Supervisor: Dr. Guy Le Masurier
 Project: Careers in Coaching: Education and experience among CCAA volleyball and basketball coaches

Ashley Wiet

Supervisor: Dr. Guy Le Masurier
 Project: Lunchbox Lessons: What nutrition concepts are being taught in School District 68 fifth grade classrooms?

Carolyn Wood

Supervisor: Dr. Guy Le Masurier
 Project: "Touchy-Feely": Examining the theory and practice of Therapeutic Touch

Faculty of Health and Human Services

Nursing**Robert McGibbon**

Supervisor: Marilyn Chapman
 Project: The experience of female nursing faculty working with men nursing students

Rebecca Stanley

Supervisor: Lynn Rollison
 Project: Exploring the Breast Feeding Experience through the Lactation Management Model, Part II, The Breast Feeding Experience

Faculty of Management

Management**Adel Aly**

Supervisor: Raimo Marttala
 Project: A Study Guide to the Main Principles of Establishing a Small-Medium Enterprise in Canada

Lei (Mika) Chen

Supervisor: Raimo Marttala
 Project: The Production of a Promotional Video for the MBA Internship Program

Lili Chen

Supervisor: Raimo Marttala
 Project: The Impact of International Student Spending on the Nanaimo Economy

Huan (Wendy) Liu

Supervisor: Raimo Marttala
 Project: ACCC Workplace Essential Skills Training Program Summary

Dalong He

Supervisor: Raimo Marttala
 Project: Strategic Marketing Approaches to Ocean Stone Trade Ltd.

Handoko Utama and Ye Qian

Supervisors: Drs. Bonita Russell and Duane Weaver
 Project: Nanaimo Business Leaders Index

Recreation and Tourism Management

Natalie Weir and Doug Craig

Supervisor: Dr. Nicole Vaugeois
 Project: Recreation and Tourism Research Institute Speaker Series

Tracy Simpson and La Shibish

Supervisor: Dr. Nicole Vaugeois
 Project: Building capacity, broadening awareness, and engaging tomorrow's leaders through extension activity

Amanda Keir

Supervisors: Drs. Dan McDonald and Nicole Vaugeois
 Project: Centre of the World, Centre of Opportunity: A participatory rapid appraisal of tourism development with the Mowachaht Muchalaht First Nations

Scott Bastian and Tracy Simpson

Supervisor: Dr. Nicole Vaugeois
 Project: People's voice on sustainability: Resident perspectives on triple bottom line and future local government directions from Port Alberni

Natalie Weir and Valdon McKinnon

Supervisor: Dr. Nicole Vaugeois
 Project: Resident perceptions on tourism development on Bowen Island

Scott Bastian, Tracy Simpson, Amanda Keir and Natalie Weir

Supervisor: Dr. Nicole Vaugeois
 Project: Signage audit of "Wildplay"

Tracy Simpson and Kelly Whitney-Squires

Supervisor: Dr. Nicole Vaugeois
 Project: Fostering Innovation in Sustainable Tourism

Kelsey Milne

Supervisor: City of Nanaimo
 Project: Assessing the City of Nanaimo's LEAP program

Catriona Smith and Jessica Henderson

Supervisor: City of Nanaimo
 Project: City of Nanaimo Survey on outlook and usage of the E and N Trail

Yaru Li and Wanning (Tracy) Cui

Supervisor: Nancy Randall
 Project: Undergraduate Research Students' Experiences

Michelle Montgomery, Maddy Koch and Alicia Fells

Supervisor: Dr. Jenny Horn
 Project: Island Farmer's Alliance Project: Cowichan and Nanaimo Region Agri-Tourism Inventory

Wendy Scott, Shannon Callanan and Kaylee Foster

Supervisor: Micki McCartney
 Project: Assessing the potential and processes for international internships in recreation, tourism, and hospitality

Teresa Leon and Jeneva Touchie

Supervisor: Geoff Ball
 Project: Review of on-site and off-site signage system at Milner Gardens and Woodlands

Kasey Harrington and Shantel Genest

Supervisor: L'Association des Francophones de Nanaimo
 Project: Attracting New Tour Operators to the Maple Sugar Festival in Nanaimo

Xinran (Dayna) Huang and Eva Lau

Supervisor: Mark Drysdale
 Project: Nanaimo Tourism Index

Alexis Pritchard

Supervisor: Brenda Clark
 Project: The Benefits Catalogue update

Taz Hartwick and Tiffany Vik

Supervisor: Nanaimo Parks Recreation and Culture
 Project: Evaluation of Fitness Programs

Becky Jones and Genevieve Boyle

Supervisor: Dr. Ken Hammer
Project: Ghana Project

Jordan Bryski

Supervisor: Greg McLaren
Project: Market Research for Wagz products for Dogs and Cats

Faculty of Science and Technology

Biology**Jenna Anderosov**

Supervisors: Drs. David Gaumont-Guay and John Amaral
Project: The effects of nitrogen fertilization on total, heterotrophic, and rhizospheric soil respiration in *Pseudotsuga menziesii*

Ben Atwater

Supervisors: Drs. David Gaumont-Guay and Caroline Josefsson
Project: Understanding the decline and disappearance of *Bidens amplissima* in Jingle Pot Marsh

Carol Bob

Supervisor: Dr. Stephanie Duff
Project: Assimilation rates of the Pacific geoduck *Panopea abrupta*

Anabel Cairns

Supervisor: Dr. Erick Groot
Project: Hematology and serum chemistry comparisons between captive-bred and wild Vancouver Island marmots

Erin Kleven

Supervisor: Dr. Eric Demers
Project: Prevalence of *Batrachochytrium dendrobatidis* in North American bullfrog (*Rana catesbeiana*) in the Nanaimo area

Jen Kuz

Supervisor: Dr. Jane Watson
Project: Are introduced Varnish clams (*Nutallia obscurata*) an important dietary subsidy for the raccoon (*Procyon lotor*)?

Michelle Lamarche

Supervisor: Dr. Allan Gibson
Project: Conditions for determining the effect of *c-myc* over-expression on the sensitivity of cells to photodynamic therapy

Rhianna Lindsay

Supervisor: Dr. Rosemarie Ganassin
Project: Screening of fetal bovine serum and potential mitogens for media optimization in green sea urchin (*Strongylocentrotus droebachiensis*) coelomocyte cultures

Erin McCauley

Supervisor: Dr. John Amaral
Project: Thermophilic methanotrophs in composting material

Rosalynne Nicols

Supervisor: Dr. Suzie Nilson
Project: Effects of probiotics on the growth rate of sturgeon

Colin Novak

Supervisors: Drs. Tim Goater, Duane Barker and R. Wager
Project: The ecology of the frog lung fluke *Haematoloechus longiplexus* (Trematoda) in odonates on Vancouver Island

Nicholas Pond

Supervisor: Dr. Rosemarie Ganassin
Project: Examination of the relative contribution of green sea urchin (*Strongylocentrotus droebachiensis*) coelomocyte subpopulations to allogeneic cytotoxicity

Carly Price

Supervisors: Drs. Tim Goater and Duane Barker and L. Nelson
Project: Freshwater pulmonate snails as indicators of Nematomorph presence on Vancouver Island: symbionts of *Physa gyrina*

Amanda Saunders

Supervisor: Dr. Jane Watson
Project: Does habitat type affect the movement of the red turban snail *Astraea gibberosa*?

Brandi Simmons

Supervisor: Dr. Jane Watson
Project: Intertidal foraging on Varnish clams (*Nutallia obscurata*) by the raccoon (*Procyon lotor*) on Newcastle Island, British Columbia

Shaun Van Pel

Supervisor: Dr. Mercedes Hernandez
Project: Feasibility study for the transfer of methicillin resistance among *Staphylococcus* species by *in vitro* transformation

Shaun Van Pel

Supervisors: Drs. Duane Barker, A. Gibson and M. Hernandez
Project: *In vitro* Transfer of the Mobile Genetic Element, SCC mecA, Between *Staphylococcus aureus* and Coagulase Negative Staphylococci

Chemistry**Kuldeep Basi**

Supervisors: Drs. Erik Krogh and Chris Gill
Project: The Application of Multi-variate Analysis to Time-Resolved MIMS Data

Carol Bob

Supervisors: Drs. Erik Krogh and Max Bothwell
Project: Influence of low level Phosphorus on the growth of *Didymosphenia geminata* in Vancouver Island rivers

Natalie Cielanga

Supervisors: Drs. Erik Krogh and Chris Gill
Project: Investigation of the photochemical chloromethane production in natural waters using MIMS

Cameron Newhook

Supervisors: Drs. Erik Krogh and Chris Gill
Project: Evaluation of the Quantification of Chloroform in Dynamic Systems by Membrane Introduction Mass Spectrometry

Fisheries/Aquaculture**Brittany McNish**

Supervisor: Dr. Duane Barker
Project: Is the green sea urchin pathogen *Paramoeba invadens* present around Vancouver Island?

Cora Moret, Lisa Harris, Graham Cruise, Rachel Saraga

Supervisors: Drs. Duane Barker and Shannon Balfry (DFO)
Project: Intensity of the blood-feeding gill fluke parasite, *Microcotyle sebastis* (Platyhelminthes: Monogenea) and blood hematocrit among wild rockfish (*Sebastes* spp.) fed various experimental diets

Faculty of Social Sciences

Anthropology**Michelle Kuzs**

Supervisor: Helene Demers
Project: Queer Students and Educators in Canada's Education System

Rebecca LaForge

Supervisor: Dr. Lynetter Harper
Project: Subjective experiences of social dance in Nanaimo

Criminology**Geri Bemister**

Supervisor: Lisette Patenaude
Project: Evaluating Therapeutic Communities

Geography**Ryan Brown**

Supervisor: Dr. Don Alexander
Project: Reconciling Ecological and Social Sustainability: The Case of the Eco-Density Initiative

Craig Hawtin

Supervisor: Dr. Hannah Wilson
Project: Stanley Park: A landscape ecology study of windstorm disturbance in mid-latitude forests

Pam Newton, Lynne Lawson and Chris Ahtzner

Supervisor: Dr. Alan Gilchrist
Project: Vancouver Island Water Resources Vulnerability Mapping Project

Psychology**Laura Booi**

Supervisor: Dr. Deborah Matheson

Project: Comparison of quality of life of older adults living in a licensed dementia housing facility to community dwelling older adults with dementia

**Amanada Francoeur, Michael Simnes;
Maiko Ishibashi; Monica Manhas; Heather
Mayes; Jessica Hale; Haillie O'Brien**

Supervisor: Lynn McCaw

Project: Demographic, Important Issues and Local Information Associated with Male Sex Work

Project: Lawyers advice to clients regarding seeking or receiving psychological help during custody negotiations

Megan Yim

Supervisor: Dr. Tony Robertson

Project: Does Background Music Influence Attention? A study of the influences of musical training, familiarity and preferences for musical backgrounds and subject personality characteristics on electrophysiological measures of attention

May (Maileibys) Martinez Sosa

Supervisor: Dr. Tony Robertson

Project: An Electrophysiological Study of the Cognitive and Physiological Effects of Hormones Through the Menstrual Cycle in Women

Dustin van Gerven

Supervisor: Dr. Tony Robertson

Project: Development of Methods by which Humans can Interface with and Control Computer-based Music Devices with Electromyographic (EMG) Signals

Colleen Stinson

Supervisor: Ruth Kirson

Project: A Needs Assessment of Perinatal Programs for Adolescent Mothers in the City of Nanaimo, BC

Simona Sebastian

Supervisors: Drs. Rachel Cooper, Deborah Hearn and Robert Harper

Project: Non-local Observation as a Source of Measurement in a Quantum Physics Experiment: A Reflection

Kristen Berube

Supervisor: Dr. Rachel Cooper

Project: Holistic Therapy: A Review

Rian Mercer

Supervisors: Drs. Rachel Cooper and Robert Harper

Project: Ethos of the Residential School System

Geri Bemister

Supervisors: Drs. Rachel Cooper and Robert Harper

Project: The Impact of Non-verbal Communication in Police Behaviour During the Interview Process

Elizabeth Plant

Supervisor: Dr. Elliott Marchant

Project: Theories of Problematic Substance Use as Coping Factors in Parents of Adult Users

Laura Braden

Supervisor: Dr. Elliott Marchant

Project: The Effect of Optic Lobe Lesions on Circadian Rhythmicity of the Madagascar Hissing Cockroach (*Gromphadorhina portentosa*)

Megan Yim

Supervisor: Dr. Elliott Marchant

Project: Multi-unit Recording in the Mushroom Bodies of the *Gromphadorhina portentosa* during the Resident Intruder Paradigm

May Martinez

Supervisor: Dr. Elliott Marchant

Project: Influence of Circadian Rhythms on Olfactory Learning in the Madagascar Hissing Cockroach (*Gromphadorhina portentosa*)

Angie Murrey

Supervisor: Dr. Elliott Marchant

Project: The Impact of Sleep Deprivation on Learning in Madagascar Hissing Cockroach (*Gromphadorhina portentosa*)

Gwen Lightly

Supervisor: Dr. Elliott Marchant

Project: Resident-Intruder Conflict in Male Madagascar Hissing Cockroach (*Gromphadorhina portentosa*)

Sociology**Katelin Miller**

Supervisor: Dr. Linda Derksen

Project: Deaf Culture and the Development of Deaf Identity

Student Travel and Conference Awards Awarded by the VIU STAR Committee

Name	Conferences, Workshops or Colloquia	Amount Awarded
Katrina Akerman History	Women's Network of B.C. Conference – Raising the Bar in Victoria (Attended)	\$ 200
Sarah Anton Global Studies	Insight: Canadian National Students' Conference in International Development Studies in Ottawa (Presented)	\$ 700
Ryan Brown Geography	Western Division of the Canadian Association of Geographers Conference in Nanaimo (Presented)	\$ 85
Kelsey Chandler Green Building and Renewable Energy Technician	Appropriate Technology for the Developing World Workshop in Mexico (Attended)	\$ 588
Dani Garner Master of Education (Leadership)	Solution Tree's Assessment Summit: Ahead of the Curve in Richmond (Attended)	\$ 235
Jeffery Hoy Geography	Western Division of the Canadian Association of Geographers Conference in Nanaimo (Presented)	\$ 195
Amanda Keir Tourism Management	World Leisure Congress in Quebec (Presented)	\$ 350
Jennifer Kuz Biology	Western Society of Naturalists in Victoria (Presented)	\$ 400
Carolyn Lepper Tourism Management	World Leisure Congress in Quebec (Presented)	\$ 350
Bel Levasseur	Chacmool Conference in Calgary (Presented)	\$ 500
Sheila McKee Education	14th Annual Conference on Aboriginal Education – Strengthening Connections: Investing in Aboriginal Students, Vancouver (Attended)	\$ 200
Rana McKinnon Psychology	29th Society for the Anthropology of Consciousness Conference in Portland, Oregon (Presented)	\$ 500
Lalla Mouatadid Computer Science	MathFest Conference in Portland, Oregon (Presented)	\$ 500
Megan Radford Global Studies and Political Studies	University Presidential Inaugural Conference in Washington (Attended)	\$ 350
Erin Rechsteiner Biology	Western Society of Naturalists Meeting in Vancouver (Presented)	\$ 400
Carlos Rodriguez Culinary Arts	Culinary Stage at the Fat Duck Restaurant in Bray, England	\$ 588
Amanda Saunders Biology	Western Society of Naturalists Meeting in Vancouver (Presented)	\$ 200
Lori-Ann Shibish Tourism Management	World Leisure Congress in Quebec (Presented)	\$ 350
Tracy Simpson Tourism Management	World Leisure Congress in Quebec (Presented)	\$ 350
Dustin Stobbe Tourism Studies	Los Santos Community Empowerment Workshops in Costa Rica (Assisted with workshop development and facilitation)	\$ 800
Natalie Weir Tourism Management	World Leisure Congress in Quebec (Presented)	\$ 350

Research Centre, Institute and Laboratory Activities

Alexandro Malaspina Research Centre

web.viu.ca/black/amrc/

Director

Dr. John Black – Liberal Studies and Philosophy

Researchers

Dr. Oscar Clemotte Silvero – Philosophy

Dr. Lisa MacLean – Liberal Studies

Heritage Research Group

Dr. Stephen Davies – History

Dr. Patrick Dunae – History (now retired)

Dr. Laurie Meijer-Drees – First Nations Studies and History

Dr. Cheryl Krasnick Warsh – History

Associated Scholars

Dr. Ana Maria Donat – Modern Languages

Dr. David Livingstone – Liberal Studies and Political Science

Honorary Associates

Dr. Barry Gough – Professor Emeritus, Wilfrid Laurier University

Ian Johnston – Liberal Studies and English (retired)

Dr. Russell McNeil – Liberal Studies and Physics (retired)

Student Assistants

Lorill Ireland

María Soto de Podriske

Overview

This report covers the period from April 1, 2008 to March 31, 2009, during which the Alexandro Malaspina Research Centre at Vancouver Island University has continued its activities on a number of fronts. Several research projects are ongoing, the Heritage Research Group has held its second lecture series, and plans have been formed for the continuation of the Biosphere Conversations in the Fall of 2009.

Institutional Relationships

The Centre continues to operate independently of, yet in collaboration with, other research groupings at Vancouver Island University. The Director of the Centre sits on the Institute for Coastal Research Steering Committee, and this engagement has resulted in a number of useful collaborations. Of particular interest is the Biosphere Conversation Series, co-sponsored by the ICR, the Institute for Practical Philosophy and the Clayoquot Field Station in Tofino.

Centre Research Projects

General Theses on Physics

The only work published by Alexandro Malaspina during his lifetime consists of an axiomatization in Latin of the metaphysical basis of Newtonian physics. Dr. John Black has completed about half of its translation into English with the help of time-release awarded by the Research and Scholarly Activity Committee. The project should be completed fully before the end of the year.

Pictures of an Expedition

Lisa MacLean, a printmaker and art historian in the Liberal Studies Department, joined the Centre in January 2006 to pursue a project involving

the critical analysis of images made by the artists of the Malaspina expedition. Of interest are the ways in which European documentary artists depicted First Peoples, their artefacts and their customs, and the possibility that these involved distortions in the service of various political, economic or ideological ends. This project is ongoing.

Related Projects

Translation and Web Publication of Source Documents

The ongoing project of translating the letters of Alexandro Malaspina, historical newspaper articles about him and his expedition, as well as other documents, for publication on the Centre's website, took a big step forward during the year, through the efforts of Research Assistants María Soto de Podriske and Lorill Ireland. Of the items written in Spanish, all the newspaper articles and letters have been completed. Work is well advanced on a number of longer documents, with completion expected this summer. Finally, the translation of the *Axiomas Políticos sobre la América* has been started, with completion expected in 2010.

Biosphere Conversation Series

AMRC has co-sponsored, and contributed to the organising and financing of, the first two in a series of symposia on philosophy and the environment. In April and October 2007 invited guests, drawn from a range of disciplines, stakeholder groups and walks of life, met at the Clayoquot Field Station in Tofino for discussions on the role of philosophical discourse in helping people with diverse perspectives on environmental issues achieve a common ground for communication. The first meeting was moderated by Dr. John Black and Dr. Robert Pepper-Smith of the Institute for Practical Philosophy, the second by Dr. John Black alone. The third Conversation will take place in Spring 2010.

Public Events and Other Activity

Public Lectures

In the Spring semester of 2009 the Centre sponsored a series of four public lectures under the heading Sources of Identity. The first was given by former Cambridge Professor of Modern British History Peter Clarke on "The Identity of the English-Speaking Peoples," which drew on his recent book on the last days of the British Empire in the aftermath of World War II. Next came Maria Tippett, also of the University of Cambridge, who explored the question of art and Canadian national identity. Sheila Rankin Zerr and Glennis Zilm from the Faculty of Nursing at the University of British Columbia spoke on "Nursing Costumes and Professional Identity" in an evening which also included a fashion show of historical nursing uniforms. The series was closed by Charlotte Coté of the University of Washington, whose new book investigates the contribution of whaling to Makah and Nuu-chah-nulth cultural identity.

International Collaboration

John Black has been extending connections between the Centre and the Malaspina family, initially through a visit by Maria Teresa Malaspina in August 2008. This led to a return visit to Lunigiana in May 2009, details of which will be reported in the next annual report.

Newsletter

The Centre continues to produce a short electronic newsletter. Its archive is at a new web address web.viu.ca/black/amrc/Newsletter/newsarchive.htm.

Alexandro Malaspina Liberal Studies Award

As a way of honouring Alexandro Malaspina's broad range of intellectual achievement, the Centre two years ago supplied seed funding for a student award, to go to the BA Liberal Studies major student who shows the greatest commitment to and achievement in interdisciplinary study, with need and general academic performance as tie-breaking factors. Through donations from Liberal Studies faculty, alumni and audience members at the Department's regular *Music of the World* concerts, the endowment reached the minimum for matching funds from the University. The second recipient of the award was Lisa Kerr.

Funding

During 2008–09 the SSHRC of Canada Aid to Small Universities grant – used in previous years to hire the Research Assistants and support the Biosphere Conversation Series – was renewed for a further three years. The Centre was successful in gaining a portion of the grant to support its current activities.

Applied Environmental Research Laboratories

Co-Directors

Dr. Erik Krogh and Dr. Chris Gill

Members: Undergraduate Student Research Associates Liam Cross, Erin McCauley, Megan Willis, Luc Trigona, Martin Angelstad, Mike Armet, Carol Bob, Kyle Duncan, Eric Jannusson, Maryon Paulsen-Strugstad, Zack Yim, Angeline de Bruyns, Hannah Kinch, Laura Gudowski, Mai Yamamoto, Dane Letourneau, Amanda Goulding

Research Associates/Graduate Students: Sandy Thompson (Royal Roads University, Environmental Science), Nick Davey (University of Victoria, Chemistry), Tim MacInnis (University of Victoria, Chemistry), Jake Etzkorn (Environment Canada), Dr. Shakour Ghafouri

VIU Faculty Affiliates: Duane Friesen, Chemistry; Todd Barsby, Chemistry; John Amaral, Biology; David Guamont-Guay, Biology

External Collaborators: Chris Simpson (University of Washington Occupational and Environmental Health); Charles LeBlanc (ASL, Edmonton); Peter Wan (University of Victoria, Chemistry); Max Bothwell (Environment Canada); Eleanor Setton (University of Victoria, Geography); Tom Fyles (University of Victoria Chemistry); Chris Durning, (Columbia University, Chemical Engineering); Christian Collin-Hansen (StatoilHydro Research Center); Rudolf Schmid (Norwegian University of Science and Technology); Øyvind Mikkelsen (Norwegian University of Science and Technology)

Personnel

We have continued to work closely with undergraduate student researchers hosting seven NSERC – USRA award holders, six full-time undergraduate student research assistants and eight part-time undergraduate student researchers. In addition, we worked with two MSc students, one post-doctoral research fellow and a full-time research associate.

Overview

The AERL facility includes a sample processing lab, a wet chemistry lab and a state-of-the-art instrument facility specializing in environmental chemical analysis by traditional and emerging methods. Our program includes pure and applied research related to analytical and environmental chemistry. Our focus is on developing new and improved strategies for direct measurements in complex environmental samples, continuous 'real-time' monitoring and applications of these techniques to the study of 'real-world' environmental processes. We are on the leading edge of an evolution in 'bringing high precision chemical measurements to the sample' rather than the other way around. Advantages include, less sample handling, fewer consumables, faster response, less contamination, and temporally resolved data acquisition for direct assessments of chemical kinetics and

environmental fluxes. The central innovation in this work is a membrane interface that allows us to continuously analyze a flowing sample by passing chemical analytes to a mass spectrometer. In addition to direct continuous environmental monitoring, we are employing these techniques to investigate the rates of chemical transformations and the properties of new semi-permeable materials. The AERL strives to provide mentoring opportunities for undergraduate and graduate students on a range of projects. These students become fully engaged in the challenges and discovery process of cutting-edge research and are encouraged to participate in the dissemination of results via participation in meetings, attendance at conferences and co-authorship on peer-reviewed publications. The AERL is supported by an operational NSERC Group Discovery grant to investigate New Developments and Applications of Membrane Introduction Mass Spectrometry. Core projects generally fall into one of three broad categories: innovations in chemical measurements, continuous real-time environmental monitoring and in-situ reaction monitoring.

Discovery Projects

We are currently working on the development of novel liquid-liquid membrane interfaces to extend direct measurement techniques to polar molecules and bio-medical applications. These sample introduction platforms will be interfaced with our recently acquired LC-MS/MS (a donation from Women's and Children's Hospital, Vancouver). We continue to work on improvements to our recently patented thermally-assisted membrane interface which extends polymer membrane techniques to increasingly less volatile molecules associated with important classes of environmental contaminants. Our collaborations with Dr. Chris Durning (Chemical Engineering, Columbia University) have resulted in an improved mathematical description of analyte permeation and will lead to new interface designs and innovative techniques to directly measure parameters that affect transport phenomena of small molecules through polymeric materials.

Our group has worked with collaborators at Cantest Laboratories and the department of Geography at the University of Victoria (Drs. P. Keller and E. Setton), to monitor air quality impacts associated with cruise ships and other traffic activity within the city of Victoria. We have recently received a substantial research grant to develop robust mobile on-line air and water quality monitoring platforms for the oil and gas industry in northern Alberta and abroad. This project represents a long-term collaboration with chemistry faculty at the Norwegian University of Science and Technology (Drs. R. Schmid and O. Mikkelsen) and researchers in the environmental monitoring group at StatoilHydro (Dr. C. Collin-Hansen).

We have continued our work to directly monitor the formation rates of disinfection by-products in the chlorination of drinking water. Recent collaborations with Dr. Peter Wan (University of Victoria Chemistry) have involved applying our real-time, direct sampling techniques to measure the production rates of haloalkanes in seawater. Newly initiated projects in our group include investigating the photochemical production of benzene contaminants in commercial beverage products, direct measurement of nitrous oxide fluxes in forest soils and an air quality study in the Metropolitan Seattle airshed in an EPA funded collaboration with Dr. Chris Simpson (University of Washington).

Applied Projects

In addition to the above discovery-based projects, the AERL has been directly involved in a number of inter-disciplinary and applied projects over the past year. These include an on-going collaboration with Warren Warttig at Interfor in which we are involved with the segregation and analysis of the biogeochemical cycling of nutrients associated with forest litter fall in the Clayoquot Forest Biosphere reserve as it relates to forest practices and land use. We have also continued our collaboration with Dr. Max Bothwell at Environment Canada to measure low level phosphorus in Vancouver Island Rivers impacted by invasive algal blooms of *Didymosphenia geminata*. We have recently partnered with the Department of Fisheries and

Oceans to assess macro-nutrient levels in several Vancouver Island lakes as they relate to productivity. Members of the AERL are also involved in a large multi-agency Vancouver Island Aquifer Vulnerability Mapping Project funded in part by the BC Ministry of Environment.

Conferences and Papers

Four conference presentations were made at national and international conferences on topics such as: recent advances in the area of thermally assisted membrane interface design, mobile air quality monitoring, and photochemistry in coastal marine waters. During the same time period, three peer-reviewed papers were published on recent results including: work on the release of biogenic volatile organic compounds in response to plant stress, a modeling paper describing the permeation of small molecules in polymer membranes, and an invited paper on the use of membrane inlet mass spectrometry for on-site quantification of trace contaminants. The work of a total of 17 undergraduate student researchers was recognized as co-authors on these presentations and papers.

The Brain Electrophysiology and Neuropsychology Lab

Director

Dr. Tony Robertson

Members

Current Student Researchers: Megan Yim, Mailebys Martinez Sosa, Dustin van Gerven

Overview

The Brain Electrophysiology and Neuropsychology Lab, housed in VIU's Psychology Department, consists of microcomputer-based apparatus for stimulus presentation and EEG, EMG and behavioural response recording and analysis. Facilities include software and hardware for experimental control, data storage, analysis and imaging of brain activity during sensation, perception, cognition, and behavioural response preparation.

2008–2009 Projects

Using a recently acquired Windows-based BASIC Programming Language, a considerable amount of Experimental Control (stimulus presentation, data acquisition and response analysis protocols) was achieved during this year. Several students trained in the lab to gain basic skills for stimulus production and calibration, experimental control programming, designing, recording and analyzing sensory Evoked Potentials (EPs), perceptual/cognitive Event Related Potentials (ERPs), Electromyography (EMG), and behavioural performance data associated with a variety of cognitive tasks in the general field of basic Cognitive Neuroscience.

Currently research projects include study of Behavioural data and Event Related Potentials (ERP) associated with attention and music processing in the Human brain and of development of Human Computer Interfacing to control music software with EMG and eye-movement signals.

Current Student and Faculty Projects

Variations in Brainstem Auditory Evoked Potentials (BAEPs) and P3 Event-related Potentials Associated with Different Phases of the Human Menstrual Cycle (Martinez, M. and Robertson, A.W.)

Does Background Music Influence Attention? A study of the influences of musical training, familiarity and preferences for musical backgrounds and subject personality characteristics on electrophysiological measures of attention (Yim, M. and Robertson, A.W.)

Control of Computer-based Music Production using EMG for Application in Rehabilitation (van Gerven, D. and Robertson, A.W.)

Community Based Research Institute (CBRI)

The Community Based Research Institute (CBRI) was created with the vision to provide a 'one-stop' service for organizations, agencies, or community groups looking for assistance with research. While the community instigates and defines their own research questions, the Institute works with students and community members to refine the research questions and determine methods.

The Institute has the following objectives:

- Promote the development of collaborations for research that are more closely linked to and serve community based work;
- Develop a vision, guidelines and structure for social research that is dependent on the values, desires and needs of the community;
- Create opportunities for an exchange of knowledge between community based workers and academics;
- Build capacity in the community and the University to conduct community based research by increasing knowledge of methods, and scientific processes of community based research.

Workshops on Community Based Research

In collaboration with Budd Hall, Director of the Office of Community Based Research at the University of Victoria, Jennifer Mullett, Director of the CBRI, co-facilitated two workshops on Community Based Research. One was held at the University of Victoria and then the CBRI hosted the same workshop at VIU in April 2009. The workshop at VIU provided an overview of CBR, what it is, how it works and how it can provide engaging opportunities for collaboration. The Office for Community Based Research generously provided funding for lunch and breaks from their Vancouver Foundation grant. It was attended by over 40 community members, representatives from community organizations and faculty members demonstrating the appetite for Community Based Research in Nanaimo. The CBRI plans on hosting more of these types of workshops and a longer Institute in the next year.

Vancouver Island Community Research Alliance (VICRA)

In April 2009, the five publicly funded post secondary institutions on Vancouver Island signed a memorandum of agreement and formed the Vancouver Island Community Research Alliance. The objectives of the alliance are to identify priority research issues with an island-wide focus; develop and implement a process to identify relevant and available knowledge, information, skills and capacities in the institutions and in communities; identify and develop research partnerships and share information on best practices; and promote the engagement of students in action research projects identified by communities/community members; and, build capacity for community based research. Jennifer Mullett of the Community Based Research Institute shares the position of Chair of the Alliance with Budd Hall of the University of Victoria's Office of Community Based Research.

Community Food Action Initiative

A research proposal has been submitted for funding to the Vancouver Island Health Authority by Food Link Nanaimo in partnership with the Community Based Research Institute. Determining community assets, interest, commitments and suggestions for future directions will aid the proposed project in improving the readiness of the community to address food security issues. The principles of Community Based Research and creative research methods will be used to engage community members in developing local capacity for increasing access to food sources and creating collaborations.

Evaluation of Academic Time at the Nanaimo Site – UBC Family Medicine Program

The Nanaimo Site of the UBC Family Medicine Post-Graduate Program requires residents to attend approximately 36 to 40 half-days of academic

programming. As this is a unique approach in Canada, instructors want to examine the purpose, usefulness and success of the “block” academic time requirement of the program. The CBRI is working with the Nanaimo site in addressing these questions, using a collaborative inquiry research model, an approach that complements the development of critical appraisal skills. A formal relationship for collaboration on future research projects is being developed with the UBC Medical School Nanaimo Site and the Community Based Research Institute.

Evaluation of the Ladysmith 0-6 Community Development Project

Through the Ladysmith Resources Centre Association (LRCA), the department of Human Resources and Social Development Canada (HRSDC) funded the three-year Ladysmith 0-6 Community Development Project. The mission of the Ladysmith Early Years Partnership is to promote the healthy development of children ages 0 to 6. The LRCA asked the CBRI to evaluate the Ladysmith 0-6 Community Development Project. Two VIU students (Rhonda Hinch and Robert Mitchell) under the mentorship of Sarah Fletcher of the CBRI, conducted interviews with representatives from community and government organizations involved in the delivery of early childhood development programs and services in the region. The students then analyzed the interviews as well as background documents and previous survey results from the project to produce an evaluation that revealed the structures required for meaningful and fruitful collaboration across agencies in the community.

Humanities Interdisciplinarity Research Group

Members:

Dr. Richard Lane; Professor Deborah Madsen University of Geneva; Carmen Concilio University of Torino.

Overview

The aim of this new research group is to work as an internationally networked think-tank, investigating the interdisciplinary and transdisciplinary research models and methodologies that are currently being applied within the humanities, with a focus on Canadian cultural, theoretical and literary-critical studies. Rather than replicating ongoing research, the Humanities Interdisciplinarity Research Group will provide analysis and meta-commentary concerning the viability and/or necessity for using inter/transdisciplinary approaches. In other words, we will be asking questions concerning the effectiveness, the applicability, and the importance of inter/transdisciplinary approaches in relation to current and projected research results within the humanities.

The first main pilot project undertaken by the group was an examination of the use of interdisciplinary and transdisciplinary models of research in the study and understanding of the Canadian First Nations Residential School experience, as articulated and represented in literary and non-literary texts. The main project partner was Professor Deborah Madsen, University of Geneva. The associated VIU student researcher for 2008-09 was Philip Laven. Support was provided by a VIU Capacity Building Grant and the student Work Opportunities Programme.

The second project for 2008-09 involved an examination of notions of trauma in Canadian fiction and First Nations writing. This project also led to the further building of research capacity, with the main partner being Professor Carmen Concilio, University of Turin; Professors Lane and Concilio worked on the VIU-University of Turin intellectual co-operation agreement to identify shared goals and future research outcomes. Two academic books are currently underway presenting the research from these projects.

The group also sponsored an event examining interdisciplinary approaches to teaching and the researching of eco-criticism in the humanities, with a guest presentation by Professor Laurie Ricou, Department

of English, UBC, titled “Out of the Field Guide: Teaching the Bioregion” (VIU, March 27th, 2009). This event was held in conjunction with the VIU Library and the VIU Literary Theory Research Group’s Seminar for Advanced Study in the Humanities. Ricou is the author of numerous essays and books on eco-criticism and the literature of the Pacific Northwest, including: *Salal: Listening for the Northwest Understory* (NeWest, 2007); *The Arbutus/Madrone Files: Reading the Pacific Northwest* (NeWest, 2002); *A Field Guide to “A Guide to Dungeness Spit”* (Oolichan Books, 1997); *Everyday Magic: Child Languages in Canadian Literature* (UBC Press, 1991); and *Vertical Man/Horizontal World: Man and Landscape in Canadian Prairie Fiction* (UBC Press, 1973). Ricou’s talk was the first in an ongoing series of annual VIU presentations on interdisciplinary research within the humanities.

Institute for Coastal Research (ICR)

www.viu.ca/icr/

Acting Director

Dr. Bill Pennell

Overview

The Institute for Coastal Research (ICR) has an interdisciplinary research mandate focusing on coastal communities of British Columbia, the Pacific North, and beyond. It synthesizes the bonds between local and academic communities and industry through discussion and research. The aim is to foster interdisciplinary research involving the natural sciences, the social sciences and the humanities as they relate to coastal study, research and activity. The focus is on understanding and promoting the resilience of our coastal social-ecological systems. Four overlapping themes have been explored by the ICR Advisory Committee (AC) this past year: Research; Interdisciplinarity; Community Involvement; and Dialogue, all within the general theme of coastal resource management. Publishing spans all of the above themes.

Research, Visiting Students, and Fellowships

Research is being carried out by Dr. Grant Murray, the resident Canada Research Chair in Coastal Resource Management in the ICR. Grant is involved with a number of projects with partners from VIU and from other institutions. He has been awarded several grants for work in BC, and there are now graduate students and post doctoral fellows working with Grant at the ICR. The ICR is also host to several graduate students pursuing studies with partner universities, with requests from others who want to join us as visiting scholars. There is a Fellowship Program and a fellowship endowment fund for which they are raising money.

Partnerships

The ICR is seeking agreements in principle with ICOR at the University of Victoria and with other groups. It has also joined with the Centre for Shellfish Research (CSR) to develop a place-based, long term, interdisciplinary research program in Baynes Sound where many resource and development interests have the potential to collide, and local communities are showing signs of growing conflict. If the proposals are successful, Dr. Grant Murray and Dr. Sarah Dudas, Canada Research Chair candidate for the Centre for Shellfish Research, will co-manage a program combining social and natural sciences with foci on shellfish, ecosystem dynamics, social views of the ecosystem and human activities within it, and an understanding of the history and current social structure of this defined region. The ICR is also discussing the possibility of a joint research proposal with the Centre for Coastal Health (CCH) to explore new ways of visioning and organizing the production of marine based foods in harmony with ecosystem health and maximizing human community health through sustainable economic development.

Interdisciplinarity

On campus the ICR brings together as many disciplines as possible and promotes a vision of broad interdisciplinarity and inclusiveness. It is also the belief of the ICR that the humanities play an equally important role in understanding the complex relationship between human communities and the ecosystems in which they live.

Community Involvement & Dialogue

The ICR/CSR place-based research proposals being developed for Baynes Sound will involve the engagement of several physical communities in the area and also of different factions or strata within some of these communities.

This past spring, the ICR hosted Holarchy, Panarchy, Coyote and Raven: Creation Myths and Coastal Conversations by Dr. Rod Dobell. This series of informal conversations aimed to briefly explore the example of climate change to illustrate some of the challenges of participatory, community-based governance in a changing and uncertain world.

Publishing

The ICR is continuing its publishing activities and making a bid to become an independent publisher.

In spring 2009 Robert Bringhurst again worked with Rhonda Bailey and her publishing students to produce *At the River's Mouth* by Daphne Marlatt, the fifth book in the Ralph Gustafson Distinguished Poets Lecture Series. In late spring 2010, the first ICR coastal series book (the Bringhurst and Dobell lectures) will be published. The working title of this book is *The Fate of the Coast*.

International Centre for Sturgeon Studies (ICSS)

www.viu.ca/sturgeon/

Project Leaders

Mark Noyon and Dr. John Morgan

Overview

The ICSS will conduct research that has applications for four main areas: wild populations, conservation hatcheries, commercial culture, and socio-economic issues. A major goal of the Centre will be to facilitate cooperation between conservation and aquaculture activities at regional, national and international levels. To that end, a research team has been assembled that includes world-class and emerging new scientists from across Canada, the United States and Europe. The ICSS will provide the link necessary to form a cluster of industry, university, government and non-governmental organizations involved in sturgeon research.

Construction of ICSS is planned to start in the summer of 2009, with a completion date of fall 2010.

ICURA Protected Areas and Poverty Reduction: A Canada-Africa Research and Learning Alliance

This International Community-University Research Alliance (ICURA) is funded by SSHRC and IDRC, involving 17 educational institutions, non-profit organizations and governmental agencies across Canada, Ghana and Tanzania. Focusing on the relationship between protected areas and the communities surrounding them, the project provides funding for 4 Canadian Master's students, 6 African PhD students and 1 Canadian PhD student to research four principal streams: 1) the flow of benefits/costs from eco-tourism; 2) human-wildlife conflicts; 3) governance; and 4) knowledge mobilization. This five-year project will look at the following sites:

1. Tribal Parks of the Tla-o-qui-aht First Nations, Canada
2. Mole National Park, Ghana
3. Saadani National Park, Tanzania
4. Pacific Rim National Park, Canada
5. Bui National Park, Ghana
6. Serengeti National Park, Tanzania
7. Avu Lagoon Community Protected Area, Ghana

Below is a list of the partners and people involved:

Canada

Dr. Grant Murray – Co-Director of project, VIU
 Dr. Leslie A. King, VIU
 Dr. Philip Dearden, University of Victoria
 Mr. Eli Enns, Tla-o-qui-aht First Nation
 Dr. Ken Hammer, VIU
 Dr. Donald G. Reid, University of Guelph
 Dr. Ian Perry, Fisheries & Oceans Canada
 Dr. Rick Rollins, VIU
 Dr. Rosaline R. Canessa, University of Victoria
 Mr. George Patterson, Clayoquot Field Station, Tofino
 Ms. Sabine Jensen, Canadian Parks and Wilderness Society, BC Chapter
 Ms. Nadine Crookes, Parks Canada
 Dr. Nicole L. Vaugeois, VIU

Ghana

Dr. Kwasi Nsiah Gyabaah – Co-Director of project, Sunyani Polytechnic
 Dr. Lawrence B. Antwi, Kwame Nkrumah University of Science and Technology
 Mr. John J. Mason, Nature Conservation Research Centre
 Mr. George Addai, Geosanda Enterprises Ghana
 Mr. Ignatius Baffour-Awuah, Brong Ahafo Regional Coordinating Council

Tanzania

Dr. Abiud L. Kaswamila, College of African Wildlife Management (MWEKA)
 Mr. Bruce K. Downie, Kesho Trust
 Mr. Simon Mduma, Tanzania Wildlife Research Institute
 Mr. A.P. Manyerere, Serengeti District Council

For more information regarding the project, you can contact the Canadian community coordinator at Jennifer.schofield@viu.ca or you can visit us on the web at www.papr.co.ca.

Literary Theory Research Group

Seminar for Advanced Studies in the Humanities

Focusing on theorist, feminist and psychoanalyst Julia Kristeva, as well as her book *Powers of Horror*, and her concept of the abject, the 2008–2009 seminar for advanced studies in the humanities at VIU welcomed guest speakers from UBC and UVIC. Introductory lectures were given by Dr. Richard J. Lane and Dr. Daniel Burgoyne. Seminars were conducted throughout the year, and involved VIU faculty, students, Elder College and other community members. The year concluded with a panel discussion at the Congress of the Humanities and Social Sciences in Ottawa.

Media Research Lab (MRL)

www.mrl.viu.ca

Directors

Dr. Marshall Soules and Doug Stetar

Members

Faculty: Dr. Marshall Soules, Doug Stetar, Chris Alemany, Alanna Williams
 Student Research Assistants: Shaun Wong, Chad Schroter-Gillespie, Nick Middleton, Matt Jamont, Chris Rahm, Sarah Collins, Liliana Gaetes

Overview

In 2008–2009, the Media Research Lab received \$2300 in SSHRC ASU funding from VIU and a number of campus career work-op positions for student Research Assistants. Film productions included Tom Wayman (Gustafson Distinguished Poet lecture) and *Cuba Now*, with Ramiro Zayas Frutos. Student filmmakers Chad Schroter-Gillespie and Nick Middleton used the MRL to produce their award-winning film *Be the Media*. The MRL website was merged with the archival websites of the Centre for Digital Humanities Innovation. Research Assistant Shaun Wong provided technical support for the Media and Communication Studies Articulation Committee website, and rebuilt the Cyborg Instructor website for Dr. Marshall Soules. The MRL provided technical and financial support for the Nanaimo Global Film Festival. Research Assistant Matt Jamont provided graphic design for a variety of projects: *Be the Media*, *The Revolution Continues*, and *Tom Wayman*.

Recreation and Tourism Research Institute (RTRI)

web.viu.ca/vaugeois/courses/RTRI/

Director

Dr. Nicole Vaugeois

Members

Drs. Ken Hammer, Rick Rollins, Dan McDonald, Robert Pfister, David Robinson, Aggie Weighill, Tom Delamere, Wayne Pealo, and Lea Thuot, Sharon Kelly, Joanne Schroeder

Overview

The Recreation and Tourism Research Institute started in 1996 to create opportunities for collaborative and community based research in recreation, sport and tourism. Each year, faculty and undergraduate students engage in projects with various community and industry partners. In 2008–2009, the RTRI ran an inaugural speaker series from January to April. The speakers were all faculty from the Department of Recreation and Tourism Management who spoke about their research projects to audiences within the VIU community. The sessions were a great success and the series will be expanded in the 2009–2010 year to incorporate more community members into the audience. The RTRI helped to support 14 undergraduate students to attend and present research posters and presentations at the World Leisure Congress held in Quebec City in October 2008. As well, a series of “research tool” handouts were created covering methods ranging from content analysis to participatory action research. These short “how to” handouts are hosted off the website to enable students, faculty and community members to understand what research tools are available to answer questions that commonly arise in the field. See the faculty scholarly activity listings, or consult the RTRI website at web.viu.ca/vaugeois/courses/RTRI/ for more information on individual research projects.

Resilience Research Lab (RRL)

www.viu.ca/resilience/

Directors

Ruth Kirson and Dr. Caroline Burnley

Overview

The Resilience Research Lab (RRL) in the Psychology Department was established in 2006 to contribute to resilience research and to provide an educational venue for Psychology students. This opportunity has allowed students to experience first-hand the collaboration and effort required to create and carry out rigorous research. With the guidance of two faculty members and an honorary research associate, Ron Apland, the lab has

supported and mentored numerous students—four of which have gone on to graduate studies in Psychology in the last year.

This year saw the lab continue research as an official site of the International Resilience Project (IRP). The IRP investigates the process of resilience in youth within their communities. The RRL has finished the data collection on the first phase of the project in which at-risk youth and those who work with youth in Nanaimo completed questionnaires and interviews. Youth were asked about the adversities they face and how they cope with these adversities. Preliminary data were presented at the Annual Convention of the Canadian Psychological Association in Halifax in June 2008. Tania Smethurst, currently a graduate student at University of Victoria, also presented research on cultivating resilience within a wilderness therapy program for at-risk youth at the same convention.

The RRL was involved in planning an evaluation to assess the potential of a longitudinal research project with the University of Delhi and the Delhi Public School Society on the Shiksha Kendra educational program for marginalized girls in India. The evaluation was carried out January to February 2009 by RRL coordinator Dr. Caroline Burnley.

Colleen Stinson, senior psychology student and other RRL members carried out a needs assessment of perinatal programs for adolescent mothers in Nanaimo. This research was presented at the Psychology Student's of Vancouver Island Poster Session at University of Victoria and at Vancouver Island University's Student Research and Scholarly Activity Forum in April, 2009.

The RRL has continued to maintain a Community Advisory Board consisting of a variety of members who work with children and youth in Nanaimo. This year the board had a number of special focus meetings including presentations by representatives of the Triple P-Positive Parenting Program, Central Vancouver Island Crisis Society, “Reaching In Reaching Out” resiliency-promotion program for teachers, Nanaimo Unique Kids Organization, and Nanaimo Association for Community Living.

To further build links with the community coordinators of the RRL also attended monthly meetings of the Ladysmith Nanaimo Coalition of Youth Services. This coalition provides a network and support for those whose work focuses on the needs of youth in the community.

VIU Teaching and Learning Centre

www.viu.ca/teaching/

Director

Nancy Randall

Overview

The VIU Teaching and Learning Centre (VIU TLC) provides professional development initiatives for all university employees by enhancing teaching and learning processes; developing educational and workplace technologies and skills; contributing to the scholarship of teaching and learning; and promoting professional networks and communities of practice. The VIU TLC aims to increase student retention and promote increased enrolment through enhanced teaching and learning environments.

Projects

Effective Videoconferencing Practices

www.intertribalhealth.ca/vcmodules

A new teaching and learning videoconferencing resource has been researched and created as a means of bridging and increasing access to learning opportunities.

Vancouver Island University Teaching and Learning Centre developed the videoconferencing resource in partnership with the Inter-Tribal Health Authority which is recognized as a centre of excellence for innovative incorporation of videoconferencing to advance health education in remote First Nation communities. BCcampus and the Ministry of Advanced Education and Labour Management generously provided funding.

These resources are relevant for all who want to learn more about teaching and learning with videoconferencing technology: instructors, learners, technicians, and community contact people. The online resources build on the expertise of participating institutions including the Inter-Tribal Health Authority, Kwakiutl District Health, Health Canada, North Island College, the University of Northern BC, Camosun College, and Vancouver Island University.

Nancy Randall, Director of the Vancouver Island University Teaching and Learning Centre and Andrew Marchand, Educational Technologist at VIU TLC, provided project leadership in collaboration with ITHA and VIU TLC colleagues.

As the site is licensed as an open educational resource, one can download a copy of the website, contextualize it, and host it on their institutional website using BCcampus' SOL*R database at solr.bccampus.ca

Freedom of Information Protection of Privacy Project

The question of how current British Columbia Protection of Privacy legislation intersects with educational implementation of Internet and Web 2.0 applications is of significant concern to BC post-secondary institutions. Technologies such as e-mail, instant messaging and social networks are exploding in personal use and are being integrated into learning environments. The overriding issue is one of privacy protection, particularly for required student personal information.

Judy Southwell, Educational Technology Manager in the VIU TLC, and Sheila Cooper, Manager of the VIU Centre for Continuing Studies,

received funding from BCcampus to initiate a study of the implications and recommended procedures when applying protection of privacy policies in the online educational environment. Their study is ongoing and they are working in partnership with the Ministry of Advanced Education and Labour Management personnel. A one-day briefing session with BC post-secondary representatives is planned for the 2009 Fall session.

Online Academic Exchange Project: Learn Together Collaboratory www.ltcollaboratory.org

Facilitating effective online academic exchange supports the dual purposes of building capacity and enhancing educational opportunities in the post-secondary environment while simultaneously reducing the need for travel and long-distance telephone costs. The Learn Together Collaboratory research and design project is creating an aggregator site for post-secondary teaching and learning resources, professional development opportunities, and funding sources. The expertise inventory and community of practice sites will build capacity for effective online post-secondary educational experiences in British Columbia. The Collaboratory website builds profile for all BC post-secondary institutions through the online Google map and site links. Nancy Randall, Director, Vancouver Island Teaching and Learning Centre and Andrew Marchand, Educational Technologist, are providing leadership for this provincial initiative, which is funded through BCcampus.

BCGEU Long Term Assisted Professional Development Leaves 2008–2009

Name	Project	Leave Granted
Martin Barnett	Industry Experience (Australia)	12 weeks
Mark Dutchuk	Complete Masters of Science in Information Systems Program	18 weeks
Lisa Eckert	Industry Experience (Seoul Women's University, Korea)	4 weeks
John Loewen	Complete Masters of Science in Information Systems Program	17 weeks
Sally Vinden	Masters of Education Program	5 weeks + 18 days

BCGEU Long Term Assisted Professional Development Leaves 2007–2008

Name	Project	Leave Granted
Glen Galloway	Research New Automotive Technology	4 weeks
Colleen Harris	Write and Publish a Work of Fiction	14 weeks
Valerie Hodge	Complete a Masters of Adult Education and Global Change	18 weeks
Glenda Hunter	Complete a doctoral degree (EdD) in Educational Leadership	13 weeks
Margaret MacDonald	Complete studies in a Masters of Arts	5 weeks 4 days
Paul Mottershead	Industry training in electronic Cummins ISX fuel systems and Eaton Autoshift electronic transmissions	6 weeks

VIUFA Leaves Awarded in Fiscal 2008–2009

Stephanie Buckingham – Bachelor of Science in Nursing

University of Ottawa AMS Research Unit

The University of Ottawa AMS Research Unit is an intensive three-month Historical Research Practicum designed to facilitate and support research in the history of nursing. I expect to receive guidance and mentoring either to develop a proposal to submit for funding or to complete a research project. I have several areas of interest for nursing historical research and what I pursue will be dependent on what is accepted by University of Ottawa Research Unit. Recently, in partnership with Dr. Warsh, we designed, developed, implemented, co-taught and evaluated an online course HIST 485: Social Issues in the History of Nursing. I have two articles about this course pending publication in peer review journals in 2008 (Canadian Bulletin of the History of Medicine and the Canadian Nurse). I have made presentations about this course at a number of conferences.

I have been approached by Elsevier Mosby to write an illustrated nursing history. In addition, James Lorimer and Company has asked Dr. Warsh to write an illustrated social history of health care in Canada. She has invited me to partner with her on this project.

In addition, I have a keen interest in online learning and plan to attend the League for Innovations Information Technology Conference in October 2008. I have conducted some research on building/maintaining learning communities online and am published in the Canadian Journal of Distance Education. During my leave I would like to continue to work on my writing skills.

Christopher Burnley – Accounting

Finding the Balance: Enhancing Assurance Education through the Introduction of Audit Theory, Conceptual Frameworks and Discussions of Spirituality in Relation to Ethical Decision making

The proposed leave activities are focused on enhancing auditing education through two related projects. These are aimed at developing teaching materials that will facilitate the growth of critical thinking skills and foster a more internalized notion of professional ethics amongst auditing students. At present, auditing texts are dominated by procedures or rules-based approaches. Students are presented with information on the techniques of auditing and checklists of do's and don't's related ethical behaviour. Little information is provided to them in terms of overall theoretical frameworks making it difficult for students to understand how the techniques fit into an overall picture. Little, if any, history on the profession's development of ethical standards is provided nor are students adequately introduced to the notion of character-based ethics.

The first project involves co-authoring an auditing textbook supplement based on revisions to a leading New Zealand text. This text was selected because of the uniqueness of its approach to conceptual issues, which includes discussions of audit theories and conceptual frameworks. The leave applicant has previously worked with the coauthor and the Canadian and New Zealand offices of the publisher are supportive of the project.

The second project involves researching the integration of spirituality into professional ethics education, focusing on Buddhist and Hindu ethical perspectives. This work builds on research undertaken in 2007 and will involve working with a leading Indian scholar as well as Buddhist monks and scholars in South Korea and Thailand. The research results will be reflected in the text's professional ethics chapter.

Dr. Carolyn Burnley – Psychology

A Contextual and Community Approach to Understanding Resilience in Children and Youth

The Resilience Research Lab in the Department of Psychology has been in negotiations with Dr. Mike Ungar of the International Resilience Project (IRP) to become a Canadian site. The IRP studies resilience from a community perspective on five different continents. During this leave the applicant will be applying for funding and preparing research and ethics protocols related to this project. The applicant will be networking with other Canadian researchers to gain their perspectives on the challenges they face being part of the IRP, including research recruitment and participation, ethics, community input/ involvement, measurement, funding resources and their experiences associated with this multidimensional, interdisciplinary, contextual approach to studying resilience. The applicant will also pursue collaborative partnerships with others across Canada to further facilitate our involvement in the national network of resilience researchers.

In a separate but related project, there is an opportunity to study resilience internationally in a longitudinal project in India. In a pilot project, the Delhi Public School Society in India has been providing an elementary education to underprivileged children. A colleague and I have discussed the possibility of partnering with the University of Delhi to produce a longitudinal research project which would follow these children throughout their education and beyond to study the impact of this opportunity on them, their family and their community. The applicant will be traveling to India to meet with those involved (officials, teachers, students, families, research partners) to investigate the feasibility of having Malaspina's Resilience Research Lab be a research partner on this project.

Linda Byrnes – Bachelor of Science in Nursing

Integrated Energy Healing Practitioner's (IEHP) Program at Langara College – Completion of Global Practicum

It is my belief that as a society we are not even touching the effects of stress by using the western approach for treatment of stress and its side effects. This belief has led me to take the integrated Energy Healing Practitioner's (IEHP) Program at Langara College. This program is three years in length. The final semester is the spring of 2009, at which time I will be completing my global practicum, a major project, and the course work (as well as ongoing healing practice) for the certificate of completion of the IEHP program.

It is my intent upon completion of this program to assist with the integration of energy concepts across the Bachelor of Science in Nursing (BScN) curriculum and develop courses in relation to energy healing that could be accessed by students. Another intended long-term outcome would be the integration of these concepts into a clinic setting in which students would be able to practice. By doing this work, it would meet the following criteria for this application for assisted leave:

1. Meet the needs of the BScN program for innovative practice settings (at a time when traditional practice settings are dwindling), which focus on wellness, health promotion, disease prevention and the individual's capacity for healing.
2. Meet expectations of the public by educating student nurses for the needs of an ever-expanding number of people who are looking for alternative and complementary modalities to manage their health outside of mainstream healthcare.

Laura Cranmer – First Nations Studies

Gwanti'lakw's Worldview: "Our Long Dark Winter"

Gwanti'lakw's Worldview: "Our Long Dark Winter" is the working title of what will become my doctoral dissertation in Language and Literacy (Education faculty) at UBC. This thesis will weave together an intensive study of photographs taken by Gwanti'lakw (Agnes Cranmer, my paternal grandmother) in the 1920's and 1930's and community-based research with Kwankwaka'wakw elders and leaders. Work on the language revitalization project, "Kan'skwak'wale'xan's yak'anda's!: Let's Keep Our Language Alive!" will deepen my understanding of Kwakwaka'wakw concepts relevant to Gwanti'lakw's worldview. During the leave period, I intend to satisfy course work and residency requirements at UBC in preparation for writing my dissertation. I believe my doctoral program will contribute to a pro-active dialogue between First Nations and academic communities, moving beyond the salvage ethnography paradigm to one of celebration of survival.

Suki Dhillon – Advising

Doctorate in Education – University of Victoria

My research interest is the use of technology to support learning and teaching in the classroom. Although this may include dedicated course web-space, online calendars, blogs, wikis and podcasts, my focus will be on the use of Digital Video Technology.

I believe that Digital Video Technology will have a significant impact on education (more so than television or videotape) because of its possibilities for increased: involvement, responsiveness, accessibility, portability, distribution, and versatility. Reasonably priced equipment and materials, as well as easy-to-use editing software, are now available. This increased access to the tools necessary to produce videos allows more people than ever before in history the opportunity to record, edit and distribute (by disc or over the internet) digital videos that they have created themselves.

Digital video technology is presently being used in education in a myriad of ways: to subvert dominant discourse; valorize non-graded feedback and formative assessment; increase learning participation; develop technological and communicative literacy; encourage self-constitutive identity formation; and stimulate generativity. It is also used to trouble hegemonic definitions of research methods in education. As it gains increased acceptance by researchers as an alternate form of text, its uses for providing multiple, local, and authentic perceptions increase. There are many published ethnographic and participatory action research studies that incorporate digital video technology as a research tool.

My research will explore how Digital Video Technology can be used to support student success in university classes.

Tracy Gillis – Accounting

Practical, Professional and Academic Renewal

The primary purpose of this assisted leave is to update and upgrade my skills as a professionally qualified accountant in the area of public practice accounting. In the seven years since joining the academic life of then Malaspina University-College, much has changed in the world of recording and reporting the financial activities of organizations. Scandals such as Enron, Livent, Nortel and others have created new rules and regulations. Tax laws are constantly changing. I intend to spend approximately 50% of my leave working in public practice refreshing my skills in an applied fashion. This will enhance my teaching in the areas of intermediate and advanced financial accounting.

The second component is to conduct relevant academic studies in the area of cost and managerial accounting. While I teach several areas of accounting, it is cost and managerial accounting that I most enjoy. I have an opportunity to develop some case studies in the processing and agricultural sectors of Macedonia near the city of Skopje. Cost accounting is truly the most internationalized form of accounting as every organization no matter what the politics of their country have a need to know the internal

cost of products and services. This would occupy approximately 30–50% of my leave.

Finally, with the opportunities that come with being in Europe, I plan on being a guest lecturer at our partner institution in Dijon France, the Burgundy School of Business.

Dr. Lisa Maclean – Liberal Studies

Ruination

My proposed project is entitled *Ruination* and involves a photographic and textual examination of the ruin as allegory and the continuing fascination with ruination in modernity. *Ruination* is a continuation and expansion of an earlier project entitled *Contaminated Architectural Space*, works exploring decaying, condemned and abandoned buildings in Canada and abroad. My leave project has three components:

1. Artist Residencies in Turkey at the Gumusluk Academy in Bodrum and the Babayan Culture House in Cappadocia documenting the ruins of classical, Hellenistic, Roman and Byzantine structures as a prelude to an exhibition of art works exploring this concept. During these residencies I will take photographs, conduct research, give workshops and lectures, and present an exhibition of art works. In addition to affording me an opportunity for professional development, my research in Turkey provides an exceptional opportunity to examine sites, figures and artifacts associated with the texts and authors covered in LBST 310, 311,320 and 321; its wealth of history and culture is unparalleled for students of the classical, Hellenistic, Roman, Byzantine, and early Christian periods.
2. Presentation of an exhibition of *Ruination* in Canada in 2010. My proposal is currently under consideration by the Dunlop Art Gallery in Regina and will be sent to other venues as well.
3. Development of a Liberal Studies Abroad Program for Turkey, including curriculum, tours and other ancillary activities, a proposal which is supported by the Liberal Studies Department.

Dr. Cynthia Masson – English

Development of Three Articles on Medieval Literature and Popular Culture

During my six-month leave, I will research develop, and write three articles in my two primary fields of academic work: Medieval English Literature and Contemporary Popular culture. One journal-length article will focus on Geoffrey Chaucer's 8000-line Middle English poem "Troilus and Criseyde". Here I will establish that Chaucer uses the vocabulary and rhetorical structure of medieval alchemy to build a metaphorical framework around his epic love story. Most scholarly work on Chaucer and alchemy focuses on one tale from the Canterbury Tales; thus my articles will make a unique critical contribution to the field of Chaucer Studies. The other two proposed articles will critique aspects of Joss Whedon's popular and critically acclaimed television series *Angel*. The first of these will be a journal-length article focusing on a single fifth-season episode ("The Girl in Question"). This episode has been maligned in both fan communities and academic studies alike for a variety of so-called weaknesses. I will argue that, when viewed in the context of absurd and existential drama, this episode can be reassessed as a pivotal and valuable contribution to Whedon's corpus. The second of these articles will be conference-length and will focus on the rhetorical development of Fred Burkle, a major character throughout four of *Angel's* five seasons. My argument will outline specific rhetorical techniques used to establish and secure human power in a world replete with demonic beings. These pieces will add to my established academic record and reputation in the rapidly expanding field of Whedon Studies.

Susan Morrison – Online Development and Centre for Continuing Studies

Completion of Master of Educational Technology and final projects with UBC and prep for Ed.D. (UBC)

My intention is to complete the Master in Educational Technology and the deadline for completion is August 31, 2008. This leave will enable a more focused approach to this undertaking. Completing these courses and the MET program will increase my ability to assist Instructors at VIU to design quality online teaching and learning. This opportunity will enable me to gain a greater understanding of issues related to distributed learning, both from the perspective of our students who are learning from a distance and of our instructors who are delivering courses via educational technologies.

Also, completing additional courses in upper-level Cognitive and Social Psychology will provide me with knowledge and experience I can directly apply to the design of online course and integrating educational technology.

Beverly Revin – Early Childhood Education and Care

Nobody's Child, Everybody's Children: A Comprehensive, Interdisciplinary Guide to New Reproductive and Genetic Technologies (NRGTs)

Designer babies, surrogate motherhood contracts, sex selection, cloning, human egg and sperm trade and in vitro fertilization are no longer reserved for science fiction novels. A highly-charged and controversial global topic and one of the fastest growing industries in developed countries, new reproductive and genetic technologies (NRGTs) require critical and careful analysis. While a wealth of information on NRGTs exists, no consolidated contemporary educational resource, providing diverse perspectives for people being introduced to or contemplating the use of these technologies currently exists.

Working with an international advisory committee, the focus of my leave will be to publish a comprehensive, interdisciplinary resource book on new reproductive and genetic technologies (NRGTs). An accompanying website will also be launched to complement this resource.

Providing resources and a facilitator's guide relevant for educators across disciplines including: Nursing, Sociology, Education, Social Work, Early Childhood Education, Philosophy, History, Law and Women's Studies. Government agencies, family service organizations, counselors, and support organizations will also find these tools useful.

Individuals interested in new reproductive and genetic technologies will have the opportunity to explore the topic from feminist, scientific, bio-medical ethical and lived experiences vantage points. Educators and counselors encouraging people to critically consider the profound social, ethical, medical and legal implication of NRGTs will utilize these resources frequently.

Dr. Rick Rollins – Tourism and Recreation

Knowledge Transfer in Nature-Based Tourism

The purpose of this proposed leave is to enhance the knowledge transfer potential of a number of research projects I am currently involved in.

As part of our SSHRC-funded research *Improving Knowledge Transfer: Bridging the Gap between Research and Practice in Leisure* (2004–2005), it was apparent that much research in our field is not well communicated to different audiences (academics, practitioners, policy makers, and students). My leave will focus on mobilizing knowledge through a variety of strategies, aimed at multiple audiences, as outlined in the following:

1. Preparation of eight journal articles flowing from recent research activities (January 2009 – March 2009).
2. Preparation of conference presentations related to this recent research; one academic conference, and one practitioner conference (January 2009 – June 2009).
3. Preparation of a new text book (August 2007 – February 2009): "Parks and Protected Areas"; and, TRMT 351 (Statistical Methods)

4. Revision of two courses (January 2009 – February 2009): TRMT 369 (Parks and Protected Areas); and TRMT 351 (Statistical Methods)
5. Knowledge transfer related to our Ghana CIDA Project: "Environmental Education" (March 2009 – May 2009). As part of my leave, I plan to spend two months in Ghana, focusing on our knowledge transfer strategies aimed at poverty reduction in rural areas.
6. Special invited lectures (May, 2009). As part of my return travel to Canada from Ghana I will stop in England to provide guest lectures at the University of Gloucestershire, and elsewhere.

Dr. Daniel Simons – Finance and Economics

Understanding Employment Equity in Canada: An Empirical Approach

Employment equity is seen by many as Canada's unique response to curb employment discrimination. Implemented in the late 1980s in Canada, the ambition of the Employment Equity Act was to give birth to a more ethnically diversified workplace. Its focus was both to increase the number of Aboriginals, people with disabilities, visible minorities and women, and to integrate and retain these groups in the workplace through training and promotion.

The main objective of our proposed research is to shed light on two empirical questions. First, to what extent has the Employment Equity policy influence the labour market for the four target groups? Second, what are the potential economic impacts of employment discrimination on labour market participation in particular and the Canadian economy on the whole?

In general, we will attempt to examine the information that the Ethnic Diversity Survey (EDS) and the National Graduate Survey (NGS) provide us about employment equity in Canadian society. We will attempt to uncover the potential existence of inequities by concentrating on the probabilities of being interviewed and of gaining employment after the interview for the four groups identified in the EE Act.

The potential contribution of this research will be of interest to various sectors of the Canadian society including but not limited to academics, employers, Human Resource Development, Human Rights commissions, and Immigration Services.

Dr. Deborah Torkko – English

University of South Carolina Press Monograph: *Understanding Janette Turner Hospital*

Understanding Janette Turner Hospital brings to the fore an important contemporary writer whose literary reception is widely dispersed. To be published in the University of South Carolina Press *Understanding Contemporary British Literature* series, this monograph will assist readers to analyze Hospital's literary style, better understand the relationship between fictional content and narrative structure, and more fully contemplate the complex connections between the fiction and the world. The book's objective is to inform, refine, and extend readers' capacity to apprehend more fully, and in all its narrative complexity, Hospital's fictional world. Hospital has lived for extended periods of time in Australia, North America, England, France, and India, and the author's proclivity for crossing borders, her lived experience of moving in and out of different cultures, informs her literary preoccupations. Her academic training and her global traveling have provided her with opportunities to see life from different points of view and, in one way or another, her writing revolves around the mediation between one culture and subculture and another. Not surprisingly, then, Hospital is a stylistic law-breaker, a startler, and each new book transgresses the boundaries of familiar categories and formulaic perceptions of the world. This monograph explores ideas of home, homelands, and homelessness; sketches a trajectory from a realist to a postrealist literary aesthetic; explores the ways in which Hospital's apolitical characters become implicated in national and international events; and considers the ways the fiction invites critical reflection on moral, political, and economic issues relevant to our contemporary global world.

Internal Research Grants

Research Funds Awarded in Fiscal 2008–2009

VIU Research Awards Committee Research Fund

Dr. Daniel Burgoyne – English

\$2,000

Textual History and Scholarly Edition of James De Mille's novel *A Strange Manuscript Found in a Copper Cylinder*

James De Mille's novel *A Strange Manuscript Found in a Copper Cylinder* (hereafter *A Strange Manuscript*) is considered one of the most significant nineteenth century Canadian novels. First published posthumously in 1888 as a serial in Harper's Weekly, and then in novel form by various publishers on three continents over the following year, *A Strange Manuscript* has continued to generate public interest with the McClelland and Stewart edition (1969) and a number of subsequent popular editions that continue to be published. In the 1980's the Centre for Editing Early Canadian Texts (CEEECT), located at Carleton University, carried out a comprehensive comparative analysis of all of the early serial and novel editions of the novel.

There is no surviving manuscript for this novel, so Malcolm Parks, who directed the project, analyzed and correlated surviving manuscripts from other De Mille novels with the Harper's Brothers serial, published between January and May of 1888. Since the novel was derived from the serial, Parks was able to analytically reconstruct the manuscript and thus establish a more authentic text. Parks also examined numerous biographical documents in order to propose a chronology for the composition of the novel. Such a chronology is important because De Mille's novel is similar to others published in the 1870's and 80's, and so its composition in the 1860's means that it is far more original than had been recognized. The dating also affords precise identification of sources that De Mille consulted while writing the novel. This has become increasingly important as scholars have come to recognize that De Mille is drawing from technical scientific and exploration publications that had just become available as he was writing the novel. The CEEECT work will be consulted when making editorial decisions about the Harper's Weekly serial text. The chronology of composition and the record of antecedent texts will also be verified.

Dr. Brian Dick – Science

\$5,225

Enhancement of Carbon Nanotube Growth Facility

Chemical and biological sensors are projected to be a \$40 billion market worldwide in less than 10 years. Application demands range from environment to security concerns, with improved sensitivity, selectivity, stability, and increasingly smaller size compared to commercially available products.

My research program is focused on advancing sensor design to achieve these goals through new enabling technologies. One such technology is centered on a new class of one-dimensional materials, referred to as carbon nanotubes (CNTs), which offer several advantages over the existing materials:

- Extremely large surface-to-volume ratios, making their bulk properties highly sensitive to surface events such as analyte binding.
- Unique one-dimensional geometry, providing strong self-amplification when local changes in the electronic structure define transport properties of the whole structure.

This proposal seeks funding for the introduction of mass flow controllers (and their requisite read-out and power system) into CNT growth facility constructed over 2007/08. Optimization and calibration of the current facility is continuing (through Work-Op funding of a 2nd year Engineering student) over 2008/09 although this process is proving inefficient and relatively expensive in terms of supplies. With additional MRF funding, I intended to increase the CNT growth reliability and repeatability through the use of MFCs (the standard components of most laboratory carbon nanotube facilities) and thereby increase the effectiveness and efficiency of the facility for sensor development.

Dr. Keith Harrison – English

\$1,500

The Geography of Love: Mull

The Geography of Love: Mull will be a long short story. Using a Scottish island location, it will centre on the mapping of emotions onto place—and vice versa—which will give shape to the fictive autobiographical notes of a geographer whose gender is not yet decided. Although essentially an inward, character-driven kind of story-telling, *The Geography of Love: Mull* will also have significant plot elements that are akin to the detective genre. The main character's efforts to chart the separate, overlapping, and sometimes conflicting definitions of love will give further texture to this narrative exploration of the shifting of self in a strange locale, and of the uncertain boundaries around both knowledge and desire. Although conceived of as a separate story for journal publication, this individual work is also planned as the reflective core in a group of stories linked by a common protagonist, by an overall theme of longing, and by a series of island settings, Montréal, Venice, Mull, Bali, Cortes, and Guadeloupe, which will give in book-length form a chaotic—perhaps illuminating—itinerary to the imagined geographer created in this initial story.

Dr. Lev Idels – Mathematics

\$3,000

Co-Applicants: U. of York: Prof. Jianhong Wu, UBC: Prof. Rashid Sumaila, U. of Manitoba: Prof. Julien Arino, U of Alberta: Prof. Mark Lewis

Bioeconomical Models of Marine Reserves

We examine the economical and biological effects of protected patches and harvesting on resource populations. Marine Protected Area (MPA) design is a joint economic and biological problem, and MPA creation alters economic incentives. The purpose of the proposed research is to consider a new bioeconomical model of marine populations via nonlinear differential equations.

We study the dynamic optimization of a harvest policy by choosing the harvest effort as the dynamic variable. Our modelling approach allows us to find the relationships among biological parameters, reserve size, and optimal harvest effort.

We will generate a list of testable predictions, e.g. minimum protected area requirements. Our studies will lead to practical recommendations on the choice of the best harvesting strategies.

Dr. Lisa Maclean – Liberal Studies

\$4,000

Ruinination

The program I propose has four components:

1. to photograph and digitally record, both visually and through sound, ancient and modern sites of ruination in Turkey. I will compile an archive of digital video and audio files of public utterances, music, and ambient noise, and other publicly available archival documents and

records. The sites that will be chosen are those that most fully embody the paradoxical aspects of ruination, its sources of attraction and repulsion. Examples will include ancient cities and villages along the Aegean coast, such as Izmir and Ocavik, in which mine sites exist alongside remnants of imperial architecture.

2. to gain insight into the variety of attitudes towards ruination adopted by individuals in eastern Europe/Asia. Do people have different attitudes towards ruins depending upon their cultural, historical and social context? What is the difference between ancient architectural ruins and industrial ruins such as rivers of mine tailings, decrepit and abandoned mine sites, and blighted landscape? To what extent is the persistent gendering of nature as feminine, available for the taking, operating in attitudes towards industry and development? Since it would be surprising if women did not experience landscape differently than men, given women's differing subjectivities and power differentials, women's historical lack of access to uncultivated "wilderness" means that their (our) experience of space has not been recorded. How might digital media imagine a different relationship towards nature and materiality?
3. to discover and document, through publicly-available records, folk stories, pictures, music, and mythological tales related to the geographical sites visited.
4. to create, as a result of these visits and encounters, multidisciplinary artworks that will attempt to make concrete and visible the potential collapse of, not only our own contemporary urban landscape, but the global totality.

Louise Underwood – First Nations Student Services

\$3,000

Co-Applicants: Bruce Cooke-Dallin, Dr. Carol Matthews

Elders' Teachings Compilation

Note: Funds administered through VRAC, but funded by Aboriginal Early Childhood Development.

Dr. Cheryl Warsh – History

\$4,000

Co-Applicants: Professor Dan Malleck, Brock University

"Gender and Modernity in Canadian Food Advertising in the Interwar Years" in *Consuming Modernity: Changing Gendered Behaviours and Consumerism, 1919–1940*, ed. Cheryl Krasnick and Dan Malleck

This is a two-part research project. In part one, I am researching and writing a paper on the transmission of modern values and habits to Canadian women through food advertising and articles in several popular magazines, including *Ladies Home Journal*, *Life*, *Saturday Evening Post*, *Vogue*, *Harper's Bazaar*, *Saturday Night*, *Chatelaine*, *Maclean's*, *Canadian Homes and Gardens*, *La Revue Moderne* and the *Family Herald and Weekly Star*. The target audiences for these publications varied by class, region and language, and there were obvious differences in terms of certain products and approaches, such as the sale of luxury gift items and elaborate dinner presentations versus cooking on a budget. However, there also were similarities such as growing attention to nutritional content, varied menus, the introduction of the 'exotic' into traditional Canadian fare, rising hygienic standards, and national branding, all of which testified to the increasing homogeneity of eating patterns.

In part two, I am acting as the senior editor of the collection, *Consuming Modernity: Changing Gendered Behaviours and Consumerism, 1919–1940*, in which the above paper will be published, and for which we have received 22 additional submissions, following an initial call for abstracts and an invitation to prepare manuscripts. While I and my co-editor, Professor Dan Malleck of Brock University's History Department, will be vetting the manuscripts, we require the services of at least one external reader to ensure the highest academic standards, qualify for an external subvention grant, and determine the final roster, which will include about 15 papers.

Because the submissions include German and Latin-American scholarship as well as a French article, we likely will require specialized external reviewers for those pieces.

Dr. Valerie Watts – Mathematics

\$1,000

A Workshop for High School Mathematics Teachers

This project is a one-day workshop for approximately 15 to 20 high school mathematics teachers from school districts surrounding Vancouver Island University. The workshop will be organized by the faculty of the Department of Mathematics at Vancouver Island University. The workshop will enhance the content knowledge of teachers in the areas of statistics and geometry. In addition, the workshop will include a session on the incorporation of graphing calculators in the classroom, a session on mathematical games that can be used to promote understanding of the high school math curriculum, and a discussion period. It is hoped that this workshop will eventually lead to the establishment of an on-going summer workshop for high school math teachers, which will be provided by the Department of Mathematics.

Capacity Building Funds

Ruth Kirson/Dr. Caroline Burnley – Psychology

\$2,425

Resilience Research Lab

Since its inception in 2006, the Resilience Research Lab in the Psychology Department, has achieved a number of significant accomplishments and will continue to build on this foundation. These accomplishments include: providing ongoing educational opportunities for faculty and students in the area of resilience, providing volunteer and paid opportunities for student researchers, supporting student projects, which are the basis of their senior projects and have been presented at national conferences, and supporting work-op students on a regular basis. In addition, we have built a community advisory board with people who work with youth, made connections with various local associations that provide services for youth, become a Western Canadian site of the International Resilience Project (IRP), conducted research for that project, and hosted a visit of an international researcher which included meetings with the university community and a public address to the wider Nanaimo community. In addition, we organized and moderated a symposium on resilience at the Canadian Psychological Association conference last June.

Currently the lab consists of two faculty members, one honorary research associate, a Ph.D. student from SFU, and 6 undergraduate students. Lab members meet on a weekly basis to review literature and plan and organize research projects.

The Resilience Research Lab is submitting this application for funding to obtain the following objectives:

1. To facilitate the Community Advisory Board
2. To support new projects in our research program

Dr. Richard Lane – English

\$1,000

Co-Applicants: Professor Deborah Madsen, Chair of American Studies, University of Geneva; Professor Carmen Concilio, Department of English, Faculty of Languages and Literature, University of Turin; and Professor Peter Szaflko, Director, Institute of English and American Studies, University of Debrecen

Humanities Interdisciplinarity Research Group

The Humanities Interdisciplinarity Research Group was launched by Richard J. Lane at VIU in the fall of 2008. Founding members are: Richard J. Lane, Director, Literary Theory Research Group, VIU; Professor Deborah Madsen, Chair of American Studies, University of Geneva; Professor

Carmen Concilio, Department of English, Faculty of Languages and Literature, University of Turin; and Professor Peter Szaffko, Director, Institute of English and American Studies, University of Debrecen.

The aim of the Humanities Interdisciplinarity Research Group is to work as an internationally networked think-tank, investigating the interdisciplinary and transdisciplinary research models and methodologies that are currently being applied within the humanities, with a focus on Canadian cultural, theoretical and literary-critical studies, as studied globally.

Rather than replicating ongoing research taking place at other institutions, the Humanities Interdisciplinarity Research Group will provide analysis and meta-commentary concerning the viability and/or necessity for using inter/transdisciplinary approaches. In other words, it will be asking questions concerning the: viability; effectiveness; applicability; and the importance of inter/transdisciplinary approaches in relation to current and projected research results within the humanities.

The first main pilot project, for which we are seeking capacity funding, is an examination of the use of interdisciplinary and transdisciplinary models of research in the study and understanding of the Canadian First Nations Residential School experience, as articulated and represented in literary and non-literary texts. We will be inviting leading Canadian academics to join the research group for this initial project).

Dr. Wayne Pealo – Recreation and Tourism Management

\$600

The Impact of Leisure Activity on Breast Cancer Survivors

1. To explore what impacts, if any, fly fishing as a leisure activity has on the quality-of-life of breast cancer survivors on Vancouver Island.

Fly fishing programs for breast cancer survivors have been operating with success for the last decade. In the instance of the organization Casting for Recovery, sixteen thousand North American breast cancer survivors have been given the opportunity to meet other survivors and receive support from medical and psychological professionals since 1996. In 2004 Casting for Recovery held 30 retreats in the U.S. and Canada (PALAESTREA, 2005). Despite the attention that these programs have received from the media and the community of breast cancer survivors, no research has targeted the affect that these programs have had on breast cancer survivors. Intuitively, volunteers, corporate partners and participants seem to identify the benefits of these programs, however there is a large gap in literature that supports such initiatives. There is however, literature reviewing the contribution that leisure activities such as dragon boating can make to the quality-of-life that breast cancer survivor's experience. Research has briefly addressed the potential behind the use of leisure as a coping mechanism for dealing with the psychological, social and emotional impacts that breast cancer diagnosis and treatment have on survivors.

While mortality rates of women diagnosed with breast cancer have declined since the 1990's, it is estimated that 22,400 women will be diagnosed with breast cancer in 2008 and 5,300 will die of the disease (Canadian Cancer Society, 2008). Increasing survivor rates mean that initiatives on non-medical support systems for breast cancer survivors are needed. Mackenzie (1998) suggested that many patients recovering from serious illness are "disheartened to find that the post-treatment phase of their care is sadly wanting" (p. 376). This argument is supported by the research that MacLean-Thomas provide in relating to survivors' memories of treatment that "the growing population of breast cancer survivors affirms that research on [survivor experience] is imperative" (p. 628). Mackenzie goes on to explain that many women experience "uncertainty and depression" after treatment and that anxieties about the disease still remain after contact with medical support systems are lost. It is at this phase of the recovery process that leisure may have remarkable impact.

Leisure can provide numerous benefits in a number of areas including quality-of-life, which is a major factor in breast cancer treatment and survivorship. The Canadian Recreation and Parks Association (1997) identified the benefits on quality-of-life that leisure can have as "[leisure] builds self-esteem and positive self image-foundations to personal quality of life, [leisure] enhances life satisfaction levels, [leisure] enhances perceived quality of life –for individuals, families and communities, and [leisure] nurtures growth, acquisition of life skills and independent living for those with a disability". Medical volunteers and participants of fly-fishing retreats for breast cancer survivors have also identified similar benefits.

Qualitative research using the real thoughts and experiences of breast cancer survivors indicated that after the experience of breast cancer, a woman experiences a shift in priorities and leisure experiences become more important. Meaningful experiences and health promoting leisure pursuits become more important than activities such as housework and career (Shannon and Shaw, 2005). Using qualitative data gathered on survivors experience with dragon boating, Parry (2008) indicated a re-occurring theme of women using leisure to promote an attitude of "not just being a survivor, but a thriver" and appreciation of "quality-of-life over quantity-of-life" (p. 231). Research that has been completed on leisure as a mechanism for coping with the post-treatment phase of breast cancer, has suggested a need for further research into other areas of leisure that are suited to the needs of breast cancer survivors specifically fly fishing (Parry, 2008).

2. To develop a research team for submitting a CBCRA Developmental and Exploratory Grant (DEX) including one local Oncologist, an Oncology nurse, Massage Therapist, Socio-psychologist, fly fishing support staff and a student research assistant. As well, a visitation will be arranged with Dr. Don McKenzie at the UBC Sports Medicine Centre in Vancouver, an expert in working with breast cancer survivors.

Dr. Dawn Thompson – English

\$1,250

Co-Applicants: Child and Book Conference Organizing Committee: Carolyn Bowles, Terri Doughty, Karen Lihou, Virginia MacCarthy, Jenn McDonald, Barbara McLeod, Heather Pastro, Donna Wilford

The Child and The Book Conference, 2009: "This Land is Our Land."

May 1–3, 2009. Vancouver Island University

To explore the notion of "the child" as an ideological construct, the history of the child, children's culture, and the plight of children all over the world. In disciplines as divergent as Philosophy, Sociology, Developmental Psychology, History, Education, and Literary Studies, there is a burgeoning interest in children as an object of study and as subjects shaped in part by our knowledge of them. There is a new sense of urgency to such work, perhaps because there is a new sense of uncertainty about the future these children will inhabit.

Children's literature participates directly in the shaping of children and we who study it are constantly reshaping our own knowledges through bringing together information and theories from many other disciplines; this conference is part of that reshaping. It will assemble a very diverse group of scholars who are just embarking on their research careers and offer them the opportunity to share their ideas and experiences.

The theme of the conference is a timely one, and is designed to elicit interest from a wide variety of disciplinary and political perspectives. The keynote speakers are Canadian scholars with international reputations. The level of interest in the conference is already high, and the discussion promises to be eclectic and stimulating. More information on the conference may be accessed at www.viu.ca/childandbook.

BCGEU Professional Development Committee Grants 2008–2009

Name	Project Title	Amount Awarded
Martin Barnett	Professional Baking – AGM and workshops with the Island Baking Association	\$300
Jacqueline Foster	ELC – Half day workshop on Appreciative Inquiry with Dr. Neil Smith	\$723
Janet Hebron Anne Woods	HS/RCA – Team learning days; two day workshop on new provincial curriculum and team cohesion	\$900
Debbie Shore	Culinary Arts 1. Screening of film documentary “Island on the Edge” 2. Cooking class; Bear Mountain Resort	\$900
Sally Vinden	Hairdressing – One day workshop on cooperative learning with Bob Aitken	\$633

Faculty and Staff Travel and Study Abroad Grants 2008–2009

Name	Project Title	Amount Awarded
Marilyn Assaf	Attend Liberal Studies field school in Florence, Italy	\$1,500
Bruce Ballam	Travel to France to teach courses and investigate exchanges	\$1,500
Christopher Burnley	Travel to Vietnam and do program development at one of our partners, Tra Vinh University	\$2,500
Dr. Caroline Burnley	Travel to India to build academic/research relationships with the University of Delhi and the DPS Society	\$2,500
Kathi Davis	Attend the Forest Resources Technology International Field School in Hungary and Italy	\$2,500
Dr. Brian Dick	Travel to Tra Vinh University in Vietnam and Asia University in Taiwan to research collaborations	\$2,500
Terri Doughty	Attend conference and present	\$500
Dr. Sandra Hagan	Participate in panel discussion on the Brontes in Haworth, UK	\$500
Sharon Hobenshield	Strategic planning in Guatemala for Alianza	\$500
Jeff Leese	Travel to India to participate in Developing World Connection Program	\$2,000
Dr. Imogene Lim	Travel to Tanzania to develop partnerships	\$2,000
Andrew Marchand	Travel to Vietnam to study and work at Tra Vinh University	\$1,500
Craig McGuigan	Strategic planning in Guatemala for Alianza	\$500
Dr. Colleen McVeigh	Travel to India to develop international field school	\$2,000
Barry Ostrand	Travel to Nepal to assess and develop a joint proposal for a partnership with the Institute of Forestry	\$2,000
Dr. Brad Peikkola	Attend Biennial Conference of the International Society for Theoretical Psychology in China	\$500
Dr. Robert Pepper-Smith	Strategic planning in Guatemala for Alianza	\$500
Carol Ramey	Attend Instruction Skills Workshop Conference in Qatar	\$500
Dr. Frances Sprout	Present paper at the Narrative Conference 2009 in Birmingham, England	\$500
Dr. Marni Stanley	Travel to Europe to attend/present at conference and do research	\$1,500
Leslie Sundby	Strategic planning in Guatemala for Alianza	\$500

Faculty Travel and Conference Grants 2008–2009

Name	Project Title	Amount Awarded
Dr. Don Alexander	Planning Design in Community: Making Great Places	\$455
Dr. Duane Barker	Aquaculture Association of Canada	\$455
Martin Barnett	Bakery Showcase 2008	\$455
Xavier Bauby	SVI Conference	\$250
Dr. Mark Blackell	Radical Humanities Symposium	\$ 400
Leigh Blaney	British Psychological Society Annual Conference 2008	\$520
Stephanie Buckingham	2008 Conference on Information Technology	\$420
Dr. Daniel Burgoyne	NASSR: 16th Annual Conference	\$455
Dr. Caroline Burnley	Canadian Psychological Association 2008 Convention	\$455
Linda Byrnes	Integrative Energy Healing Certificate Program	\$480
Dr. Joseph Chang	2008 INFORMS Marketing Science Conference	\$260
Marilyn Chapman	2nd International Nurse Education Conference	\$520
Bill Clay	Showcase Bakery Exhibition	\$455
Jamie Covey	ECEBC Conference 2008	\$199
Dr. Bonita Davidson	2008 McGraw-Hill Ryerson Teaching, Learning and Technology Conference Series	\$260
Robin Davies	Text, Media and Improvisation	\$350
Helene Demers	Celebrating the Local, Negotiating the School Symposium	\$560
Suki Dhillon	Canadian Association for the Study of Adult Education	\$200
Dr. Ana Maria Donat	Congress 2008 of the Humanities and Social Sciences	\$260
Terri Doughty	Relevant Across Cultures: Visions of Connectedness and World Citizenship in Modern Fantasy for Young Readers	\$520
Dr. Stefanie Duff	UBC-SFU-UVIC Ecology and Evolution Retreat	\$320
Dr. Patrick Dunae	87th Annual Meeting of the Canadian Historical Association	\$260
Dr. Steven Earle	International Society for the Scholarship of Teaching and Learning	\$400
Meghan Earley	CACUSS National Conference for Student Service Professionals	\$350
Eiko Eby	North American Society for Sociology of Sport Conference	\$420
Alaina Evanson	Annual National Conference of Canadian Association of Wound Care	\$240
Paige Fisher	Assessment for Learning	\$250
Debra Freeborn	Canadian Practical Nurse Educators Conference	\$560
Dr. Chris Gill	56th American Society for Mass Spectrometry Conference	\$455
Dr. Elizabeth Gillis	Canadian Society for Ecology and Evolution	\$260
Dr. Tim Goater	Parasitism: Diversity and Ecology of Animal Parasites	\$350
Dr. Michael Govorov	Cartographic Association InterCarto-InterGis14 Conference	\$520
Dr. Keith Harrison	Genre, Ideology and Culture in the Cinema	\$520
Klisala Harrison	Historical and Emerging Approaches to Applied Ethnomusicology	\$520
Rosemary Holley	Pacific Dental Conference	\$320
Lynn Hunter	CANNEXUS 2008 National Career Development Conference	\$455
Lara Kirkpatrick	IAAP Canada Divisions Conference	\$350

Name	Project Title	Amount Awarded
Ruth Kroek	Celebrating the Local, Negotiating the School Symposium	\$560
Dr. Erik Krogh	91st Canadian Chemistry Conference	\$325
Dr. Bernie Krynowsky	Catalyst 2008 – BC Science Teachers	\$325
Dr. Richard Lane	Reading the PostModern: A Canadian Literature Symposium	\$455
Dr. Guy Le Masurier	American Alliance for Health, Physical Education, Recreation and Dance	\$455
Dan Light	Automotive Articulation	
Dr. David Livingstone	Association of Core Texts and Courses, 14th Annual	\$350
Joanna Lord	ABEABC Teaching Learning Excellence, Learning Styles, Best Practices and Research in Practice	\$200
Kim Love	Legal Risk Management for Nurses	\$200
Maxine Macgillivray	TESOL International	\$455
Dr. Lisa MacLean	Artist in Residence	\$640
Dr. Cynthea Masson	SC3: Slayage Conference on the Whedonverses	\$455
Dr. Daniel McDonald	Canadian Indigenous/Native Studies Association “Visions of Sustainability”	
Malerie Meeker	Canadian Association for Community Living and Inclusion International Conference	\$560
Dr. John Morgan	8th International Congress on the Biology of Fish	\$520
Dr. Grant Murray	Ecosystem Services and Values: Ecological, Economic, Social and Cultural	\$520
Dr. John Neville	5th Annual Conference (Association of College Educators in Social Work)	\$455
Kate Nonesuch	So What? Implications from Research in Practice for Adult Literacy	\$260
Mark Noyon	Aquaculture Pacific Exchange	\$200
Dr. Melanie O’Neill	Association of Behavioural and Cognitive Therapies	\$560
Heather Pastro	“Artful Eye” BC Art Teacher’s Association Annual Conference	\$320
Stephen Pelley	SVI Conference	\$325
Dr. Alexander Pevec	Midwest Political Science Association Annual National Conference	\$455
Robert Pfister	Association of American Geographers	
Dr. Brad Piekola	International Society for Theoretical Psychology Biannual Conference	\$640
Dr. Paris Polydorou	2008 Congress of the Social Sciences and Humanities	\$260
Dr. Liza Potvin	Poetry Matters/States of the Art Center for Canadian-Anglo American Cultures	\$640
Dr. Gara Pruesse	Conference on Discrete Mathematics	\$350
Dr. Rick Rollins	Coastal Zone Canada Conference	
Dr. Jean Louis Rosmy	Research Seminar, College of Business Administration, University of Dubai	\$520
Dr. Katharina Rout	Contemporary Mongolia: Transitions, Development and Social Transformations	\$320
Dr. Bonita Russell	2-day face-to-face workshop – course at UBC	\$200

Committee Membership (2008–2009)

Animal Care

Dr. Andy Spencer, *Chair*
 Dr. Susan Sanders
 Dr. Tim Goater
 Dr. Duane Barker
 Frank Dalziel
 Dr. Erick Groot
 Henrik Kreiberg
 Brian Godfrey
 Katherine Hall
 Dr. Leslie King (*ex officio*)

Support: Rae-Anne Savard
 Affiliation: Advisory to the President

British Columbia Government Employee Union (BCGEU) Professional Development

Shiona Northway, *Chair*
 Christine Mitchell
 Milena Essig
 Rosemary Holley
 Nancy Randall
 Gary Doolin

Support: Shelley Lumsden
 Affiliation: Advisory to the Vice-President,
 Academic

BCGEU Professional Development Leave

Stu Seifert, *Chair*
 Tony Bellavia
 Lynn Myers
 Fred McDonald
 Kathleen Matheson

Affiliation: BCGEU (BC Government and Service Employees Union, Local 702)

Canadian Institutes for Health Research (CIHR) Scholarship/Awards Selection

Dr. Deborah Matheson, *Chair*
 Dr. Rosemarie Ganassin
 Liz Hammond-Kaarremaa (*ex officio*)
 Dr. Ann Holroyd
 Mary Ann Moloney
 Kim Love
 Andrea Smilski

Support: Kathryn Jepson
 Affiliation: Vice-President, Academic

Faculty and Staff Travel and Study Abroad Grants

Graham Pike, *Chair*
 Sandra Galloway
 Audrey Hansen

VIU Research Awards

Liz Hammond-Kaarremaa, *Chair (ex-officio)*
 Dr. Leslie King
 Dr. John Amaral
 Deborah Matheson
 Dr. Ana Maria Donat
 Tina McComb
 Dr. Alex Netherton
 Dr. Bob Pfister

Support: Shelley Lumsden
 Affiliation: Advisory to the Vice-President,
 Academic

VIU Faculty Association (VIUFA) Leave

Rick Bevis, *Chair*
 Dr. Tony Robertson, *Vice-Chair*
 Zoe Dams
 Dr. David Drakeford (*ex officio*)
 Dr. Duane Friesen
 Dr. Steve Lane
 Marie Scoretz
 Dr. Dawn Thompson

Support: Shelley Lumsden
 Affiliation: VIU Faculty Association

VIUFA Professional and Scholarly Development

Dr. Neil Smith, *Chair*
 Dr. Steve Earle, *Co-Chair*
 Frank Fucile
 Piera Jung
 Dr. Rachel Cooper

Support: Lynda Milne
 Affiliation: VIU Faculty Association

Natural Sciences and Engineering Research Council (NSERC) Scholarship/Awards Selection

Dr. Andrew Spencer, *Chair*
 Sandra Patrick
 Dr. Gara Pruesse
 Dr. David Gaumont-Guay
 Dr. Darren Hannesson
 Dr. Erik Krogh
 Dr. Elliot Marchant
 Dr. Hannah Wilson

Support: Kathryn Jepson
 Affiliation: Vice-President, Academic

Research and Scholarly Activity

Anne Leavitt, *Chair*
 Dr. John Anderson
 Dr. Steven Earle
 Dr. Philip Dauk
 Raimo Marttala
 Dr. Frances Sprout

Support: Sharon Rise
 Affiliation: VIU Faculty Association

Research Involving Human Subjects

Ruth Kirson, *Chair*
 Heather Ward, *Ethics Officer*
 Dr. John Anderson
 Linda Byrnes
 Dr. Bonita Davidson
 Brock Dykeman
 Dr. John Lepage
 Dr. Mary Lindsay
 Dr. Alex Pevec
 Barbara Thomas
 Katie Black
 Jacqueline Gaudet

Support: Tiffany McLaughlin
 Affiliation: Advisory to the President

Travel and Conference Proceedings

Alex Pavec, *Chair*
 Jim Dean – BCGEU
 Gary Doolin – BCGEU
 Kathleen Matheson – VIUFA

Support: Darlene Higgins
 Affiliation: Advisory to the Vice-President,
 Academic

Student Travel and Research Committee

Dr. Catherine Schittecatte, *Chair*
 Dr. Allan Gibson
 Dr. Ann Holroyd
 Dr. Anne Leavitt
 Dr. David Livingstone
 Lynda Patterson
 Dr. David Robinson

Support: Kathryn Jepson
 Affiliation: Advisory to the Vice-President,
 Academic

Warsh Law Corporation

Dr. Cheryl Warsh, *Chair*
 Dr. Richard Lane
 Dr. Liz Gillis
 Dr. Imogene Lim
 Paige Fisher

Support: Kathryn Jepson

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