

ANNUAL RESEARCH REPORT

2015-2016

DAWSON
C O L L E G E

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A Message from the Dean of Academic Development



We are thrilled to present the accomplishments of Dawson researchers and pedagogical innovators in this Annual Report.

Dawson has a long history of supporting and encouraging innovative projects that allow our faculty to develop professionally, as well as support our students' ongoing success. This year, we are proud to include in our report projects that use innovative approaches to develop and support pedagogy. These projects include developing experiential learning activities linking sustainability and biodiversity amongst disciplines; Peace Centre certificate pedagogy; and on-line videos and tutorials in math for engineering students.

We believe that research and teaching can be a syncretic process - passionate researchers involve their students in their projects and bring their passion into the classroom. Dawson is committed to supporting our researchers as they ask important questions and help to inspire the next generation of creators and innovators. In 2015-16, sponsored funding for research continued to grow, with a number of new grants and exciting ongoing initiatives. These exceptional projects address a wide range of research questions in the natural and social sciences, the scholarship of teaching and learning, the field of accessibility studies, and literature and the arts. Our researchers participated in numerous conferences, workshops and colloquia here in Canada and around the world, sharing their discoveries and expertise with their peers and the general public.

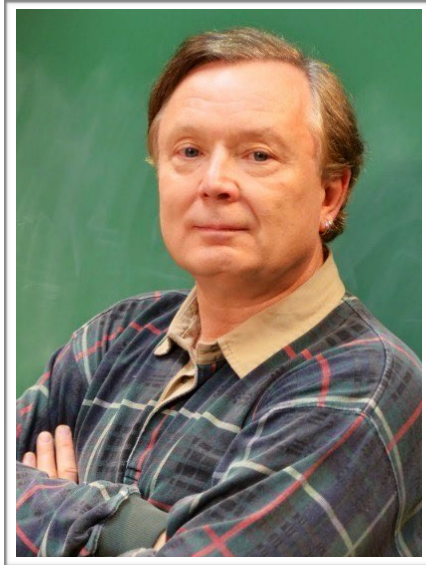
I invite you to explore in this document the projects that showcase the incredible variety and significant contributions to society that our researchers and innovators make. To our faculty, thank you for your persistence and dedication to expanding knowledge in your fields; your contribution to scholarship and practice is profoundly felt by your colleagues, your students, and the whole community.

Barbara Freedman

Dean of Academic Development

Research Recognition Award 2015-2016

Dr. Stewart Cooke, Department of English



Dr. Stewart Cooke's long-term research program revolves around the life and work of Frances Burney, the 18th century English novelist, diarist and playwright, and her family. He is widely recognized by experts in the field as one of the foremost scholars on this early woman writer. Stewart has been described as an "unrivalled Burney expert" (Betty Rizzo, *Tulane Studies in English Literature*), and his work is characterized as "scrupulously edited", "an excellent and exemplary work" (Harriet Jump, *Review of English Studies*) while Susan Lamb recommended his edited volume as "especially useful to literary scholars" and "of considerable interest to biographers and literary or social historians" (*University of Toronto Quarterly*).

In the past five years, he has published three edited volumes of the journals and letters of Frances Burney:

The Additional Journals of Frances Burney, Vol. 1. Ed. Stewart Cooke. Oxford: Oxford University Press, 2015.

The Early Journals and Letters of Fanny Burney. Vol. 5. Eds. Lars Troide and Stewart Cooke. Montreal: McGill-Queen's UP, 2012. xvi + 509 pp.

The Court Journals of Frances Burney. Vol. 2. Ed. Stewart Cooke with Introduction and notes. Oxford: Clarendon, 2011. xxiii + 334 pp.

Stewart is the managing editor of the *Burney Journal* and vice-president of the Burney Society (North America). In addition, he is the Associate Director of the Burney Centre at McGill University, whose main goal is to prepare modern, complete and unabridged scholarly editions of the journals and letters of Frances Burney.

Stewart received his doctorate in English Literature from McGill University and a Master's in English Literature from the University of Waterloo. Stewart's work has been supported by the Social Sciences and Humanities Research Council of Canada in the form of Insight Grants. Stewart Cooke retired from teaching at Dawson in 2015, but will continue his exemplary research into this fascinating literary figure for years to come.



Frances Burney (1782)
By Edward Francisco Burney



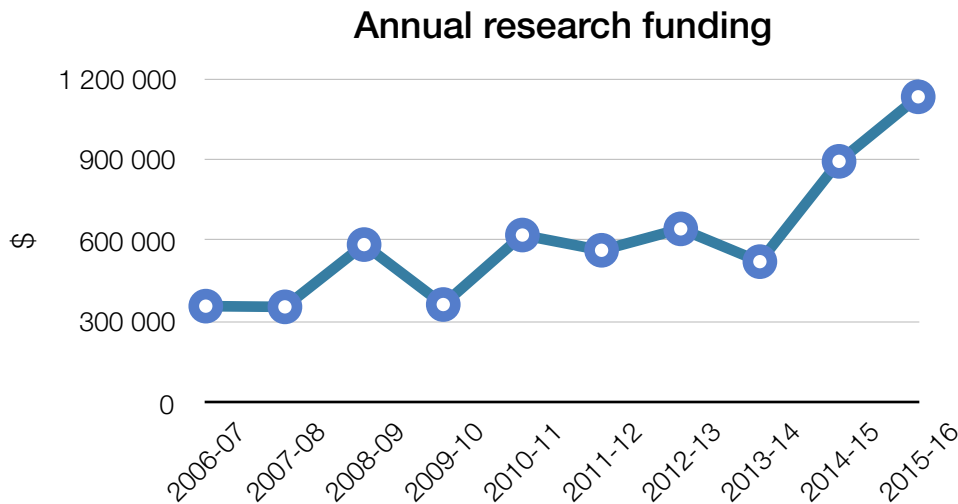
Social Sciences and Humanities
Research Council of Canada

Conseil de recherches en
sciences humaines du Canada

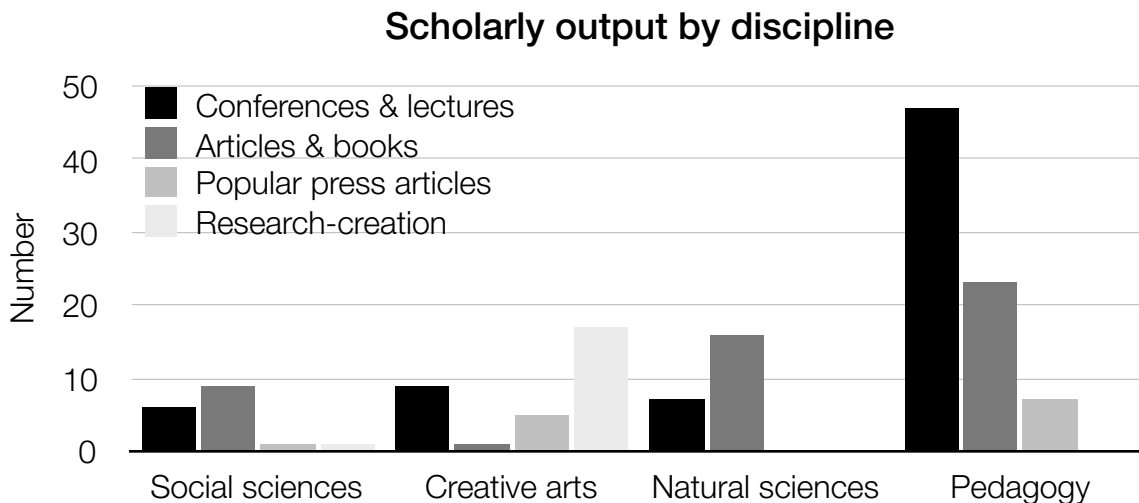
Canada

Research Highlights

In spite of the climate of economic uncertainty in the areas of higher education and research during 2015-16, research at Dawson continued to grow unabated. 2015-16 was another stellar year for the Dawson research community, with 23 active, funded projects underway, supporting 30 researchers, and generating over \$1 million dollars in research funding. This represents a 27% increase in research funding compared to last year and a doubling of external funding compared to two years ago. In all, researchers from all three sectors received eight new grants from various funding agencies this year.



In addition to overall growth in funded projects, our researchers are extending their impact and expertise by participating in more projects with external partners. In 2015-16, 13 of the 23 active projects are partnerships with external organizations, including postsecondary institutions, community organizations and private industry. By collaborating and sharing their expertise, our researchers are able to reach new audiences and make meaningful contributions to the wellbeing of society at large.



Evaluation of Year 1 of the Strategic Research Plan

The Strategic Research Plan that we articulated in 2015 continues to directly influence our actions, and gives us a strong framework to measure our growth in research capacity. Dawson continues to initiate and support projects that embody our three Themes of Research Excellence: **Teaching, Learning, and Technology**; **Accessibility and Inclusion of Diverse Populations**; and **Society, Culture, Communication, and History**.

In the past year, we have met or exceeded the targets we set last year.

Target	Strategic Actions	Results
Increase the number of researchers at Dawson	<ul style="list-style-type: none"> • promotion of grants to emerging researchers • support to precarious teacher-researchers 	Target met <ul style="list-style-type: none"> • 3 new researchers were awarded funding • entente with the DTU to support precarious teachers
Increase external funding to the College by 20%	<ul style="list-style-type: none"> • investment in research support • promotion of grants and support to grant writing 	Target exceeded <ul style="list-style-type: none"> • external funding grew 27% in 2015-16
Develop and grow applied research	<ul style="list-style-type: none"> • support to contract preparation • development of an Intellectual Property policy (in progress) 	Target met <ul style="list-style-type: none"> • 2 new SSHRC partnership grants • 3 projects in partnership with private industry

Institutional Projects

A number of teachers and staff members have initiated projects that aim to develop innovative pedagogy, support teacher professional development, and increase student success. These important projects have a significant impact on the Dawson community, helping to make Dawson a leader in teaching and learning, as well as an attractive destination for students and new teachers alike.

Financial support from these project grants at Dawson has flourished over the last few years, growing from \$150,000 in 2012-13 to \$502,000 the following year, to the current level of \$865,000 granted in 2015-16. This is a whopping 72% increase over two years. This year, these grants support 16 projects funded by Entente Canada-Quebec, the Table Interordre Provincial du Secteur Anglophone (TIPSA) and other support from the Ministère de l'Économie, de la Science et de l'Innovation - Québec and the Ministère de l'Éducation et de l'Enseignement supérieur.

Dawson Research Activities 2015-2016

GEOGRAPHY

Gisela Frias is continuing her “Sustainable Campuses” participatory action research project with funding support from the SSHRC Community and College Social Innovation Fund. Since 2012, Dawson College has been engaged in an institutional collaborative initiative to generate and share knowledge on Campus Sustainability. Gisela and her team have established a partnership with Mexican post-secondary educational institutions, which has grown and strengthened over the years. Through this partnership they have carried out collaborative research and designed forums, conferences, workshops, and courses together. An important means to sustain our partnership has been by facilitating the engagement of our educational communities through student exchanges. Last summer, four Dawson students travelled to Mexico to take part in a Campus Sustainability internship. In addition, three student research assistants (Ella Martin, Mikayla Salmon-Beitel and Morgen Bertheussen) worked on interviews and generated three videos on campus sustainability, attended conference on Sustainability Research at McGill University and collaborated on a poster displayed at Dawson College. Six other interns worked on campus sustainability projects from January to May 2016 at two Mexican partner universities. Gisela and her team organized the 2nd Binational Itinerant Forum: Art, science and tradition for sustainability, which took place in Morelos, Mexico from March 14 to 18 2016. Find out more about the project at <https://www.dawsoncollege.qc.ca/sustainable-campuses>.

Publications 2015-16:

Frias, Gisela and Hurtado, Margarita. 2015. *Pedagogica. Planteles educativos sustentables: Compartiendo saberes*. Vo 1 . 3 No . 2 y 3. Pg.4-6.

Frias, Gisela, Hurtado, Margarita and Montes, Luisa. 2015. *Pedagogica. Foro bi-nacional itinerante de intercambio de experiencias: Caminando hacia la sustentabilidad*. Vo 1 . 3 No . 2 y 3. Pg:7-10

Frias, Gisela. 2015. *Pedagogica. El plantel educativo como instrumento para la sustentabilidad*. Vo 1 . 3 No . 2 y 3. Pg: 11-20

Richard Soare's work on the geology of Mars uses high-resolution satellite imagery to determine the effect of ice and water on the Martian landscape. This year, he chaired and organized several sessions at different planetary science conferences, and served as a grant proposal reviewer for NASA.

Publications 2015-16:

Soare, R.J., Conway, S.J., Gallagher, C., and Dohm, J.M. (2016b). "Icy" depressions in the Argyre region, Mars: a periglacial/glacial dichotomy of landforms. *Icarus* (in revision).

Fairen, A., Dohm, J.M., Rodriguez, J.A.P., Uceda, E.R., Kargel, J.S., Soare, R.J., et al. (2016). The identification of prime targets for *in situ* astrobiological exploration on Argyre Planitia, Mars. *Astrobiology* 16, 2, 1-16.

Soare, R.J., Conway, S.J., Gallagher, C., and Dohm, J.M. (2016a). Sorted polygons in Argyre Planitia, Mars: possible evidence of pre- and post-mantle periglacialism in the very late Amazonian Epoch. *Icarus* 264, 184-197.

Presentations 2015-16:

Conway, S.J., Harrison, T.N., Lewis, S.R., Balme, M.R., Soare, R.J., and Britton, A. (2016). Re-analysis of martian gully orientation and slope for comparison with climate model predictions of freeze-thaw and dry-ice sublimation. EGU, Vienna, Austria.

Soare, R.J., Conway, S.J., Gallagher, C.J., Osinski, G.R., and Dohm, J.M. (2016). Gullies, mantled terrain, thermokarst and small-scale polygons in the Argyre region, Mars: a critical discussion of their spatial-association. 2nd International Workshop on Mars gullies. London, England.

Baioni, D., and Soare, R.J. (2015). Possible crater-based karstic and lacustrine terrain in Tyrrhena Terra, Mars. EGU General Assembly, Vienna, Austria.

Gallagher, C., Balme, M.R., Conway, S.J., and Soare, R.J. (2015). Sub-surface to surface liquid flows and the formation of a chaos terrain landform assemblage in the Galaxias Chaos region of the northern hemisphere of Mars. 3rd Planetary cryosphere workshop, Nantes, France.

Celia Vives-Gonzalez is a member of Dawson's REB, and currently a postdoctoral fellow at the Centre for Research on Children and Families, McGill University.

Publications 2015-16:

Vives, L. (2016). The European Union–West African sea border: Anti-immigration strategies and territoriality. *Journal of European Urban and Regional Studies*.

Vives, L. and Vazquez Silva, I. (forthcoming) Transnational mothering strategies: Senegalese experiences. *Journal of Ethnic and Migration Studies*.

Presentations 2015-16:

Vives, L. and Sinha, V. Honouring Jordan's Principle: a call for equal access to health services for First Nations children living on reserve.

History

Janice Harvey is part of an FRQSC-funded research team grant working on the project « Le gouvernement de la misère et la citoyenneté : pauvreté, maladie et crime dans l'histoire du Québec. » Her research focuses mainly on the history of Montreal, particularly Protestant Montreal. In late June 2015, she was responsible for the Montreal segment of the Learning Channel (TLC) program's "Who Do You Think You Are?" on Bryan Cranston, which aired early in the fall 2015. In the context of her ongoing research on the care of dependent children, she presented a paper in late November entitled "Gender and tumult in Montreal's Protestant charitable network, 1900-1935," at UQAM. She is currently working on another paper on issues of citizenship during the depression era to be presented at an international conference in fall 2016.

Ben Lander and **Mark Beauchamp** are completing their FRQSC-funded research-creation "the Dawson Oral History Project". They have worked with dozens of students in their classes, as well as research assistants, to document oral histories. Through a project-based pedagogical approach that encourages students to become actively involved in research, the Dawson Oral History Project (DOHP) is training a new generation of research-scholars and creating a public digital archive of oral history interviews that can be accessed by students, teachers, researchers, and community partners.

Psychology

Catherine Fichten's research has two foci: postsecondary students with disabilities, and sleep and its disorders. (Please see the "Pedagogical Research – Adaptech" section for details on Catherine's work on students with disabilities.)

Catherine's sleep research focusses on the following areas: obstructive sleep apnea and primary care, metabolic syndrome and obstructive sleep apnea, definition and predictors of good and poor sleep quality, insomnia and diabetes, obstructive sleep apnea, sleepiness and driving safety,

sleep and insomnia in first time mothers 2 and 6 months post-partum. The goal of her research is to examine referral of primary care patients for obstructive sleep apnea screening, to examine comorbidities of obstructive sleep apnea and insomnia, and to evaluate the long term consequences of treating obstructive sleep apnea on daytime functioning and metabolic syndrome components. This work is expected to result in better diagnostic practices, and more effective treatment of obstructive sleep apnea and its comorbidities.

Social Service

Denise Brend's work focusses on the experiences of social workers working with trauma and professional relationships. She is a licenced psychotherapist and a member of the Ordre des travailleurs sociaux et thérapeutes conjugaux et familiaux du Québec. She is currently supported by the FRQSC on a Bourses de doctorat en recherche (B2) (2013-2016) for her PhD work at McGill. This year, she was awarded a research fellowship from the Research Training Programme of the International Psychoanalytical Association (London, United Kingdom), Yale University School of Medicine Child Study Center, New Haven, Connecticut, USA (2015).

Publications 2015-16 :

Coughlin, L., Brend, D. M., Esposito, T., Trocmé, N., & Chabot, M. (2016)
Projet «Gestion fondée sur les indicateurs de suivi clinique» GFISC Cohort Databases
Users' Guide and Codebook. Montreal: Centre for Research on Children and Families,
School of Social Work, McGill University.

Presentations

Brend, D.M. (2015, July) Finding Bridges: Workplace Social Support, social workers and intimate partner violence practice. Poster session presented at the Joseph Sandler Conference, Child Study Centre, Yale School of Medicine, New Haven, Connecticut.

Lorraine Albert, Administrative Support Agent in the Social Science & Business Technologies Office, completed her BFA in Studio Arts at Concordia University. Her piece "Moshe" was selected to be part of a graduating student's exhibition and was exhibited at the VAV Gallery. She also participated in a residency to create a choreography piece.

Movement in Serra: 2nd Movement was presented at the 2016 Bouge D'Ici Dance Festival at the Mainline Theater on St-Laurent January 13-16.

CREATIVE AND APPLIED ARTS

English

Patrick Barnard wrote an op-ed entitled: “Montréal et ses espaces naturels” in *La Press* (October 5th, 2015).

Marie Thérèse Blanc is interested in the areas of public law and law and literature, the latter with an emphasis on modernism, postmodernism, and metamodernism. She is also a photographer and currently exploring the uses of photography in multimedia exhibits. From 27 April - 11 May 2016, *Porto Santo*, her photograph of the Old City of Porto, Portugal, was exhibited as part of the S.P.A.C.E. *VISION(S)* exhibit at the Warren G. Flowers Art Gallery.

Publications 2015-16:

Blanc, Marie Thérèse. "Two Sheets to the Freezing Wind: A Review of Karin Cope's *What We're Doing to Stay Afloat*." *Montreal Serai* 28.4 (2015).

Sarah Burgoyne published a poetry manuscript entitled *Saint Twin* with Mansfield Press and was accepted to be a poetry resident for the 2016 Banff Writing Studio to work on research for her second manuscript.

Stewart Cooke continues his long-term research project into the 18th century writer Frances Burney and her family. He is funded by a SSHRC Insight Grant, and is currently editing volumes of the letters, diaries and other writings of Frances and Charles Burney.

Susan Elmslie published poetry in the anthology: *Veils, Halos & Shackles: International Poetry on the Oppression and Empowerment of Women*, published by Kasva Press (Israel). One of her former students, Zoe Labrinakos-Raymond, also has her work included in the volume.

Victor Yelverton Haines (Scholar in Residence) argues that now there are two kinds of natural philosophy: the lexical semantics of natural language for the human world our minds make for us to live in and the experimental verification of theories not available to the apprehension of common sense. He will be presenting a paper in Calgary at the meeting of the Canadian Society for Aesthetics, 28-30 May, as part of the Social Science and Humanities Conference.

Shalon Noble's research is in the area of Romantic Ecocriticism and Romantic Ecology.

Publications 2015-16:

Noble, Shalon “‘Homeless at Home’: John Clare’s Uncommon Ecology.” *Romanticism* 21.2 (July 2015): 171-181.

Noble, Shalon. “An Uncertain Spirit of an Unstable Place: Frankenstein in the Anthropocene.” *Romantic Ecocriticism: Origins and Legacies*. Ed. Dewey Hall. Lanham, MD: Lexington, 2016.123-138.

Presentations 2015-16:

“Frankenstein in the Anthropocene”, Association for the Study of Literature and Environment (ASLE) Biennial Conference at the University of Idaho on 27 June 2015.

Kristopher Woofter holds an FQRSC doctoral research fellowship for his current research at Concordia University involving generic hybridity and intermediality in reality horror films. His research on cinema, television and literature include the horror genre, the Gothic, folk and fairy tales, documentary, mockumentary, pseudo-documentary and new media.

Fine Arts



Printed results from the demonstration table at SHIFTERPP, by Liz Chalfin

Claude Arseneault is presently finalizing a report on her participation to SHIFTERPP held at McMaster University, Hamilton. A more detailed "Green" Printmaking Manual with health and safety guidelines and technical sheets on the new processes and techniques implemented in the printmaking studio in the fall of 2015 will follow around the end of May or beginning of June.

Julianna Joos participated in a printmaking exhibition on January 31st, 2016, organized for the 100th birthday anniversary of Albert Dumouchel. In June 2015, Julianna had a solo exhibition at the Queensland College of Art, Griffith University, in Brisbane, Australia; she showcased the work of 18 students in her printmaking classes as well. She also participated in Digital STRUCTURE, an International Digital Art Miniprint Exhibition, at Centre d'artistes Voix Visuelle in Ottawa. Vernissage: Thursday, November 5th at 5:00 p.m. Julianna curated an exhibition homage to the music of John Rea, with Élisabeth Dupond. John Rea – musique vue (music as seen), an exhibition of visual artworks inspired by the music of the composer.

Giuseppe Di Leo and **Gilles Morissette**, also of the Fine Arts Department, also participated in this project.

French

Laure Galipeau and **Catherine Soleil** are continuing their PAREA-funded project to study the effect of Universal Design for Learning (UDL) concepts on students in French as a Second Language courses.

Chantale Giguère and **Laurent Duval**, supported by Entente Canada-Quebec and in collaboration with Dawson CTD, have developed online courses for students and professionals who want to improve their French skills in order to succeed the OQLF French exam: *Online Tutorial for the OQLF French Exam, for Health Sector professionals and for all professionals*.

Along with Dawson and McGill University teachers, Chantale Giguère takes part in different projects on online course development and gave various presentations on online course pedagogy (Dawson Ed Tech Week 2016, DALC - April 2016, Colloque REPTIC 2016, Colloque intercollégial des enseignantes et enseignants de français langue seconde 2016). Laurent was also shortlisted in a field of 700 entries for Les Prix de la création Radio-Canada.

Djemaa Maazouzi's field of study is French–language literature of the 20th and 21st centuries, and her research focuses on colonial and independence-era literature in both the colonies and the home country. Her work takes its methodology from both literary socio-criticism and intermedial studies and questions the links between history, politics and literature.



Publications 2015-16 :

Djemaa Maazouzi, « Germaine Tillion. Credo du “solidus” et sympathie à la lettre », dans Marie-Hélène Benoit-Otis et Philippe Despoix (dir.), « Musique, mémoire et résistance. Autour du Verfügbar aux Enfers de Germaine Tillion », Revue musicale OICRM, volume 3, no 2, Mai, 2016 (<http://revuemusicaleoicrm.org>, forthcoming).

Djemaa Maazouzi, *Le Partage des mémoires. La guerre d'Algérie en littérature, au cinéma et sur le web*, Paris, Classiques Garnier, 2015, 487 p.

Djemaa Maazouzi et Nelly Wolf (dir.), en collaboration avec Dominique Viart, «La France des solidarités (mai 1968 – mai 1981)», Revue des Sciences Humaines no 320, octobre-décembre 2015, 208 p.

Djemaa Maazouzi avec Nelly Wolf, « Introduction », dans Djemaa Maazouzi et Nelly Wolf, en collaboration avec Dominique Viart, dir. «La France des solidarités (mai 1968 – mai 1981)», Revue des Sciences Humaines no 320, octobre-décembre 2015, p. 7-12.

Djemaa Maazouzi, «“Réparer notre monde.” Des tentatives de restaurer un état dans La Vie devant soi (Ajar-Gary) et Madame Rosa (Mizrahi)», dans Djemaa Maazouzi et Nelly Wolf, en collaboration avec Dominique Viart, dir. «La France des solidarités (mai 1968 – mai 1981)», Revue des Sciences Humaines no 320, octobre-décembre 2015, p. 141-155.

Djemaa Maazouzi, « Ethnocritique : des racines et des ailes du postcolonial », dans Pierre Popovic et Anne-Marie David (dir.), Les douze travaux du texte. Sociocritique et ethnocritique, Figura, Centre de recherche sur le texte et l'imaginaire, coll. « Figura », Volume 38, Montréal (2015), p. 53-63.

Presentations :

Symposium co-organization : Ite Symposium International de Sociocritique: Repenser le réalisme, Carrefour des arts et des sciences de l'Université de Montréal, du 9 au 12 décembre 2015, en collaboration avec le CERLOM/INALCO, le CREM et Figura-UQAM et Concordia

Djemaa Maazouzi, « “Nous baignons dans la langue et quelqu'un a chié dedans”: L'Art français de la guerre d'Alexis Jenni », Ite Symposium International de Sociocritique: Repenser le réalisme Université de Montréal, 10 décembre 2015.

Djemaa Maazouzi, « Les médiations de l'antiracisme au cinéma », au lancement du numéro que le magazine Spirale a consacré aux nouvelles formes de racisation, intitulé « Stigmat-machine : altérisation et racisation par le haut », Bar Salon de la Cinémathèque québécoise, 23 avril 2015.

Humanities

John Hunting's research centres on the ideas of Emmanuel Levinas, a French philosopher known for his work related to existentialism, ethics, and ontology. John uses a Levinasian approach to the photographic, exploring the ethics of visual communication. His work addresses ethics, aesthetics, photographic arts and media studies. He is currently working on a longer manuscript on the same topic.

Publications 2015-16:

Hunting, John. "Levinas and the Photographic" *Philosophy and Photography*, Dec 2015, Vol. 6 1-2.

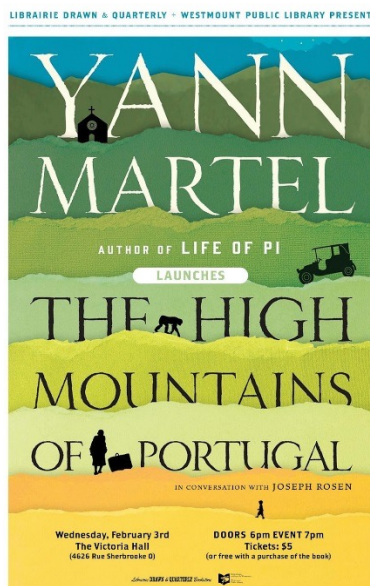
Presentations:

"Levinas and the Photographic Undergone" at the *21st Century Photography: Art, Philosophy, Technique* Central Saint Martin's Annual Conference in London (UK) in June, 2015.

Jennifer Koopman continues her research on the Scottish Romantic writer George MacDonald, and serves as an editor for the George MacDonald Society, producing, this year, volume 75 (2015) of *Orts: The Newsletter of the George MacDonald Society*.

Patricia Romano directs Dawson's Inspire Solutions Project, which is founded on the assumption that education has a significant role to play in the prevention of violence and creation of a more just and caring world. Violence has multiple causes, and education cannot directly impact them all, but it can promote the knowledge, skills and values from which creative, nonviolent solutions to our problems can flourish. They organize a number of events, workshops, and talks, and publish extensive resources on their website: inspire.dawsoncollege.qc.ca.

Joseph Rosen's academic research looks at traumatic collective memory, ethics, and the Israeli-Palestinian conflict. This year, he also interviewed author Yann Martel of February 3rd for the Westmount Public Library and *Librairie Drawn & Quarterly*.



Publications 2015-16:

Joseph Rosen, "The Third Solitude", *Maisonneuve Magazine*, 23 July 2015.

The Walrus, "Jew v. Jew v. Jew v. Jew v. Jew v. Jew", *The Walrus*, 1 September 2015.

Joseph Rosen, "With Friends Like These, Why Hate Yourself? Stephen Harper's Decade of anti-critical Support for Israel", *The Harper Decade*, 9 October 2015.



Joseph Rosen's interview with Yann Martel, February 3rd 2016, Victoria Hall

Beverly Sing showed her original artwork Japanese brush calligraphy scroll at several exhibitions.

Research-Creation Activities 2015-16:

Japanese calligraphy scroll submitted to the 8th Annual Japanese Calligraphy Competition in Canada. This work received a Bronze Prize and was exhibited at the Japanese-Canadian Cultural Centre in Toronto (Nov. 2015). Subject of the 2 poems on the scroll: Thoughts about cherry blossoms

Japanese calligraphy scroll submitted to the 44th Competition of the International Calligraphy Association in Tokyo. Exhibited at the Tokyo Metropolitan Museum (March 2016). Poem by Rengetsu.

Winner of the Gold Prize for a piece of Japanese calligraphy submitted to the 9th Annual Japanese Calligraphy Competition in Canada. The 2 poems presented in the work are from the Wakan Rōeishū, a renowned anthology of Japanese and Chinese poetry dating from the 11th century.

Religion

Boustan Hirji published a new book inspired by the author's encounters in South East Asia and the Middle East. These stories are women's stories: their dreams, the oppression they endure and their vindication of the realities they live. Hirji, Boustan. 2016. Sands Under a Relentless Sun: Stories I know. CreateSpace Independent Publishing Platform:

Theatre



In 2015-2016, the Dawson Professional Theatre Program had another stellar season, including the following performances:

"My Son Is Crazy, But Promising" by Tim Kelly directed by Winston Sutton

"David Ives' Shorts" (a collection of one-acts) directed by Jude Beny

"Twelfth Night" by William Shakespeare directed by W. Steven Lecky

"Our Country's Good" by Timberlake Wertenbaker directed by Barbara Kelly

TRAGIC CYCLE I: “Elektra” by Sophokles and “Orestes” by Euripides translated by Anne Carson directed by Carolyn Guillet

TRAGIC CYCLE II: “Hippolytus” and “Alkestis” by Euripides translated by Anne Carson directed by Stéphane Zarov

"A Woman Of No Importance" by Oscar Wilde directed by Winston Sutton

Professional Theatre faculty members **W. Steven Lecky** and **Elissa Bernstein** continue to pursue their performance research, tackling a wide spectrum of subjects. Recent projects delve into such diverse areas as: a comparison of acting skills in the 2016 Oscar nominees; the political speaker; acting for classical singers (featuring McGill Opera graduates); Dawson College Ped Day workshop for speakers...and many others.

Biology

Tonia DeBellis is working on an FRQNT-funded project “Do soil fungal communities facilitate invasion of temperate forests by the Norway Maple?” She is collaborating with researchers from UQAM and Concordia to look at the biological communities involved in new species colonization.

Mathematics

Richard Fournier is involved in various research oriented activities at Dawson such as training of students for mathematics competitions and the now traditional yearly Dawson mathematics competition. He has been a member, since 1996, of the Centre de Recherches Mathématiques at l’Université de Montreal. Richard is currently supported by two grants; an FRQNT Programme de recherche pour les enseignants de collège, for the project “Quelques problemes d’analyse complexe” (2016-19) and an FRQNT Soutien aux équipes grant through his affiliation with Université de Montréal.

Publications 2015-16:

with Jason Da Silva Castanheira, “A reversed Cauchy-Schwarz-Bunyakovsky inequality”, Accepted for publication by Dawson Research Journal of Experimental Science , 2015.

with St. Ruscheweyh, “Remarks on two inequalities for polynomials in the unit disk”, Submitted for publication, 2016.

with Jon Boretsky, “The Divergence of the Harmonic Series”, Submitted for publication, 2016.

with Yasmine Abdrabo, “On the Riemann Rearrangement Theorem”, Submitted for publication, 2016.

“On a new proof and an extension of Jack’s lemma”, Submitted for publication, 2016.

Presentations 2015-16 :

Université Laval, Analysis Seminar, April 2015.- Un lemme de Schwarz pour les fonctions méromorphes injectives et une famille normale.

Dawson College, Mathematics Presentations, May 2015. Some remarks about power series.

Summer Meeting of the Canadian Mathematical Society (Charlottetown), June 2015. On an interpolation formula of Frappier, Rahman and Ruscheweyh.

Seminar of the Mathematics Department, Dawson College (Montreal), October 2015. On Markov-Bernstein type Inequalities I,II,III.

Winter Meeting of the Canadian Mathematical Society (Montreal), December 2015. An extension of Jack's lemma.

Universitaet Wuerzburg, Analysis Seminar, January 2016. A new proof and an extension of Jack's lemma.

Gilbert Honnouvo

Publications 2015-16:

With K. Thirulogasanthar, Nasser Saad, G. Honnouvo, *2D-Zernike polynomials and coherent state quantization of the unit disc*, Math. Phys. Anal. Geom. **18** (2015)

with K. Thirulogasanthar, On the dimensions of oscillator-like algebras induced by orthogonal polynomials: non-symmetric case (submitted to Rep. Math. Phys) available at arXiv:1509.01293

Thirulogasanthar Kengatharam was awarded an FRQNT Programme de recherche pour les enseignants de collége, for the project "Coherent states, frames, wavelets and orthogonal polynomials on quaternion Hilbert spaces" (2016-19). He has also supervised two Dawson math students in the Dawson Annual student's project seminar, and co-supervised a doctoral student at the University of Jaffna, Sri Lanka.

Publications 2015-16:

B. Muraleetharan, K. Thirulogasanthar, *Coherent state quantization of quaternions*, J. Math. Phys. 56, 083510 (2015)

M. Khokulan, K. Thirulogasanthar, B. Muraleetharan, *S-spectrum and associated continuous frames in quaternionic Hilbert spaces*, J. Geom. Phys. 96 (2015), 107-122.

K. Thirulogasanthar, Nasser Saad, G. Honnouvo, *2D-Zernike polynomials and coherent state quantization of the unit disc*, Math. Phys. Anal. Geom. 18 (2015)

Articles submitted 2015-16:

(with B. Muraleetharan) Coherent states on quaternion slices and a measurable field of Hilbert spaces, (available at arXiv:1603.02509) submitted to J. Geom. Phys.

(with S. Twareque Ali) General construction of reproducing kernels on quaternionic Hilbert spaces. (available at arXiv:1601.04304) submitted to J. Math. Phys.

(with B. Muraleetharan) Deficiency indices of some classes of unbounded H-operators (available at arXiv:1512.08662) submitted to J. Math. Anal. Appl.

(with G. Honnouvo) On the dimensions of oscillator-like algebras induced by orthogonal polynomials: non-symmetric case (submitted to Rep. Math. Phys) available at arXiv: 1509.01293

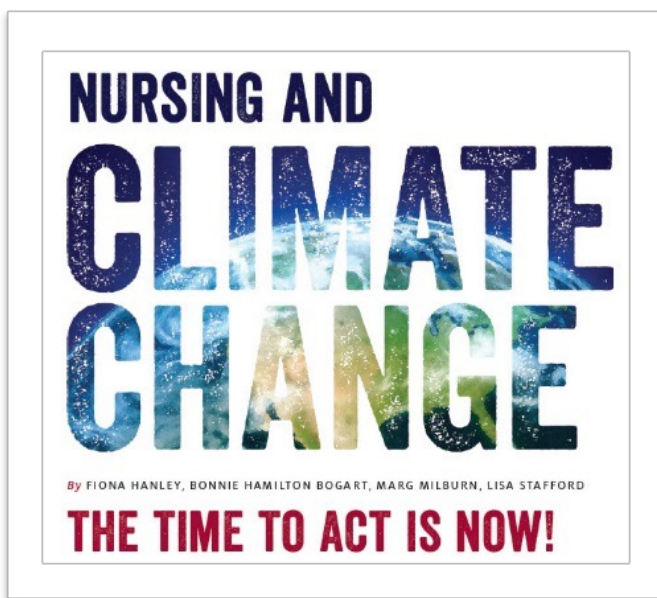
(with Nasser Saad) Generalized 2D Laguerre polynomials and their quaternionic extensions (submitted to Appl. Math. Comput.). Available at arXiv:1506.08912.

Ben Seamone works on graph theory; he is currently funded by the FRQNT Programme de recherche pour les enseignants de collège, for the project “A study on path and cycle based properties of graphs” (2014-17). In the past year, he has supervised three Dawson students and a student at the Université de Montréal, as well as organizing two conferences: the 4th Graph Searching in Canada Workshop, Montreal, QC (May 2015), and the Joint meeting of the 7th Workshop on Graph Searching, Theory and Applications and the 5th Workshop on Moving And Computing, Montreal, QC (Oct 2015).

Presentations 2015-16:

"Hendry's Conjecture: counterexamples and new open problems", *5th Canadian Discrete and Algorithmic Mathematics Conference*, Regina, SK (June 2015).

Nursing



Fiona Hanley and colleagues are working on issues related to environmental health and nursing, with the specific aim of educating nurses on the effects of environmental stressors (such as climate change, pollution, and food security) on human health.

Publications 2015-16:

Fiona Hanley, Bonnie Hamilton Bogart, Marg Milburn and Lisa Stafford. 2016. Nursing and climate change: the time to act is now! *Info Nursing* Spring 2016 47(1): 32-34.

Physics

Sameer Bhatnagar is a co-applicant on Nathaniel Lasry's (John Abbott College) PAREA project, which aims to use Big Data to assess student success and identify students at risk.

Jonathon Sumner is continuing his FRQNT-funded project "Simulation des écoulements atmosphériques dans un parc éolien afin d'évaluer sa performance et maximiser son rendement". In addition, he is working on an applied research project with Frontier Power Systems to develop efficient wind turbines.

Manuel Toharia is supported by an FRQNT Programme de recherche pour les enseignants de collège grant, for the project "Higgs phenomenology in warped extra dimensions" (2015-18).

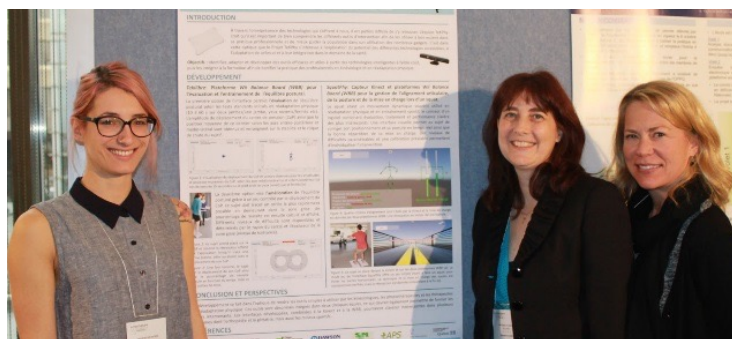
Publications 2015-16:

M. Frank, N. Pourtolami and M. Toharia, "Higgs boson production and decay in 5D warped models," Phys. Rev. D93, no.5,056004 (2016)

A. Diaz-Furlong, M. Frank, N. Pourtolami, M. Toharia and R. Xoxocotzi, (preprint submitted to Phys Rev D, awaiting for acceptance) "Flavor-changing decays of the top quark in 5D warped models," arXiv:1603.08929 (arxiv preprint number).

Physical Rehabilitation

Sharon Clegg is working on an applied research project in collaboration with Mickael Begon and a team from Université de Montréal and Cégep Marie-Victorin. TeKPhy or "Technologies



TeKPhy Team: Ariane C. Rousseau (UdeM), Sharon Clegg and Christine Garon (Cégep Marie-Victorin)

intelligentes en kinésiologie et en techniques de réadaptation physique", is a suite of tools for balance using the Wii Balance Board. They are also exploring research into the use of Kinect for rehabilitation. Three Dawson students worked as interns in summer 2015 as part of the research team at Tekphy, and two students continued part time in Fall 2015.

Sharon, along with 2 other members of the Tekphy team, presented a poster which won first place at the OPPQ (Ordre professionnel de la physiothérapie du Québec) conference in Québec City November 12th and 13th 2015.

Adaptech Research Network

(For Catherine Fichten's research on sleep disorders, please see the Psychology section.)

The Adaptech Research Network consists of a team of academics, students and consumers co-directed by **Catherine Fichten** (Psychology, Dawson) and Jennison Asuncion. They conduct research involving college and university students with diverse disabilities (e.g. visual, mobility, hearing impairments, psychological, learning and chronic medical disabilities). Their areas of focus are: use and accessibility of information and communication technologies in postsecondary education, facilitators and barriers to academic success, and free or inexpensive software useful to students with various disabilities. The goal is to provide empirically based information to assist and inform decision making that ensures that new policies and new information and communication technologies reflect the needs and concerns of a variety of stakeholders. The outcomes will be better educational opportunities and learning experiences for college and university students with disabilities.



This year, Catherine Fichten was awarded the 2016 Fred Strache Leadership Award at the CSUN Conference (Center on Disabilities at California State University, Northridge).

Adaptech research assistant Christine Vo was awarded the NDT Technologies Inc. Scholarship for Engineering and Computer Science of the Faculty of Engineering and Computer Science at Concordia University.

Grants Held in 2015-2016

Provincial Interlevel Table for the English Sector (TIPSA), Adaptech Research Network's Free and/or Inexpensive Assistive Technology Database

Canada-Québec Entente Action spontanée, Aider les anglophones ayant des déficiences, diplômés d'un cégep ou d'une université, à obtenir un emploi au Québec

CRIR (Centre de recherche interdisciplinaire en réadaptation du Montréal métropolitain), Rehabilitation Living Lab Project : Inter-establishment analysis of rehabilitation service continuum for youth with physical disabilities (EASY)

Service Canada, Labour Market and Social Development Program

Canada-Québec Entente, Higher education

Fonds de recherche du Québec - Société et culture (FRQSC) et le ministère de l'Éducation, du Loisir et du Sport (MELS Centre d'études sur l'apprentissage et la performance (CEAP)

Fonds de recherche du Québec - Société et culture (FRQSC) et le ministère de l'Éducation, du Loisir et du Sport (MELS) Les perspectives des étudiants et des professeurs sur l'excellence dans l'utilisation des TIC et du cyberapprentissage au collégial

Fonds de recherche du Québec – Nature et technologies (FRQ-NT) Mesure objective de l'attention et de la somnolence au Volant

Publications 2015-16:

Fichten, C. S., Amsel, R., Jorgensen, M., Nguyen, M. N., Budd, J., Havel, A., King, L., Jorgensen, S., & Asuncion, J. (in review). Theory of Planned Behavior: Sensitivity and specificity in predicting graduation and drop-out among college and university students.

Fichten, C. S., Heiman, T., Havel, A., Jorgensen, M., Budd, J., & King, L. (in review). Sustainability of Disability Related Services in Canada and Israel: Will the Real Universal Design Please Stand Up?

Jorgensen, M., Budd, J., Fichten, C. S., Nguyen, M. N., & Havel, A. (in review). Graduation and grades of college students with learning or mental health related disabilities.

King, L., Fichten, C. S., Jorgensen, M., Budd, J., Havel, A., Nguyen, M. N., Lussier, A., Asuncion, J., Amsel, R., Raymond, O., & Poldma, T. (in review). The students have spoken: Survey results on instructors' use of information and communication technologies.

Libman, E., Fichten, C. S., Creti, L., Zelkowitz, P., Conrod, K., Tran, D.-L., Grad, R., Jorgensen, M., Amsel, R., Rizzo, D., Baltzan, M., Pavilanis, A., & Bailes, S. (in review). Evaluating sleep quality: What are the criteria?

Budd, J., Fichten, C., Jorgensen, M., Havel, A., & Flanagan, T. (2016). Postsecondary students with specific learning disabilities and with attention deficit hyperactivity disorder should not be considered as a unified group for research or practice. *Journal of Education and Training Studies (JETS)*, 4(4), 206-216.

Fichten, C. S., Heiman, T., Jorgensen, M., Nguyen, M. N., Havel, A., King, L., Budd, J., & Amsel, R. (2016). Theory of Planned Behavior predicts graduation intentions of Canadian and Israeli postsecondary students with and without learning disabilities/attention deficit hyperactivity disorder. *International Journal of Higher Education*, 5(1), 208-219.

Fichten, C. S., Nguyen, M. N., Asuncion, J., Martiniello, N., Jorgensen, M., Budd, J., Amsel, R., & Libman, E. (2016). An exploratory study of college and university students with visual impairment in Canada: Grades and graduation. *British Journal of Visual Impairment*, 34(1), 91–100.

Bailes, S., Rizzo, D., Baltzan, M., Grad, R., Pavilanis, A., Creti, L., Fichten, C. S., & Libman, E. (2015). Manifestations of insomnia in sleep apnea: Implications for screening and treatment. *Behavioral Sleep Medicine*. Advance online publication.

Fichten, C. S., King, L., Jorgensen, M., Nguyen, M. N., Budd, J., Havel, A., Asuncion, J., Amsel, R., Raymond, O., & Poldma, T. (2015). What do college students really want when it comes to their instructors' use of information and communication technologies (ICTs) in their teaching? *International Journal of Learning, Teaching and Educational Research*, 14(2), 173-191.

Jorgensen, M., Fichten, C. S., Nguyen, M. N., Budd, J., Barile, M., Asuncion, J., Amsel, R., Tibbs, A., & Jorgensen, S. (2015). Employment realities of recent junior / community college and university graduates and premature leavers with disabilities. *International Journal of Disability, Community, and Rehabilitation*, 14(1).

Thomson, R., Fichten, C. S., Budd, J., Havel, A., & Asuncion, J. (2015). Blending universal design, e-learning, and information and communication technologies. In S. Burgstahler (Ed.), *Universal design in higher education: From principles to practice* (2nd ed., pp. 275-284). Boston: Harvard Education Press.

Popular press articles 2015-16:

Vo, C., Marcil, E., Jorgensen, M., & Fichten, C. S. (in press). Registering for access services in college: A focus on immigrant students with disabilities. Accepted for publication in *Inspirations*, the newspaper of the English Montreal School Board.

King, L., Fichten, C. S., Havel, A., & Jorgensen, M. (2016). Franchir le seuil : Étudiants en situation de handicap et réussite au collégial. *Profweb*. February 16, 2016.

King, L., Fichten, C. S., Havel, A., & Jorgensen, M. (2016). Making the grade: College students with disabilities and academic success. *Profweb*. February 16, 2016.

Marcil, E., Vo, C., Jorgensen, M., & Fichten, C. (2015). Immigrant students can have disabilities: We just don't know about it. *Communiqué*, 15(3), 29-30.

King, L., Lussier, A., Fichten, C. S., Jorgensen, M., Havel, A., Budd, J., Asuncion, J., Nguyen, M. N., Amsel, R., Raymond, O., & Poldma, T. (2015). Teachers' use of ICTs: What do students think? *Profweb*. November 3, 2015.

King, L., Lussier, A., Fichten, C. S., Jorgensen, M., Havel, A., Budd, J., Asuncion, J., Nguyen, M. N., Amsel, R., Raymond, O., & Poldma, T. (2015). Utilisation des TIC par les enseignants: Quel est le niveau de satisfaction des cégépiens? *Profweb*. November 3, 2015.

Marcil, E., Fichten, C., King, L., Havel, A., Jorgensen, M., & Budd, J. (2015). Paving the road to success: Technology and students with disabilities. *Inspirations*, the newspaper of the English Montreal School Board, Fall 2015 / Winter 2016, p. 16.

The Adaptech team participated in 25 peer-reviewed conferences, and 6 talks, interviews and invited addresses.



SALTISE

Supporting Active Learning & Technological Innovation in Studies of Education

The Supporting Active Learning & Technological Innovation in Studies of Education (SALTISE) consortium is continuing their multiple projects supporting active learning pedagogy and generating data related to teaching and learning. The team consists of **Liz Charles** (Photography) and **Chris Whittaker** (Physics), with Nathaniel Lasry and Michael Dugdale from John Abbott, and Kevin Lenton from Vanier, as well as other collaborators from post-secondary institutions, schools and private companies.

Liz was also invited to participate in The Universities of the Future Global Summit in Barcelona, Spain in April. This prestigious event aims to create a global network of researchers interested in the future of universities and debate and discuss the main challenges facing universities from educational and organizational perspectives.

Grants:

Social Science & Humanities Research Council – College Community Social Innovation Fund (2015-2017) for “Leveraging new paradigms and disruptive technologies to successfully orchestrate pedagogical change”. Applicant: Elizabeth S. Charles; Co-applicants: Rob Cassidy (Dawson), Nathaniel Lasry (John Abbott), Kevin Lenton (Vanier), Bruno Poellhuber (UdM), James D. Slotta (UofT, OISE).

PAREA (2014-17) “ Ecosystème Pédagogique et Artéfacts Épistémiques »

Entente Canada-Quebec grant for ALPIC Active Learning (2014-16)

Publications 2015-16:

Charles, E. S., Lasry, N., Whittaker, C., Dugdale, M., Lenton, K. et Bhatnagar, S. (2016). L'apprentissage actif hors de la classe, est-ce possible ?, *Pédagogie Collégiale*,

printemps, p. 12-18.

Lasry, N., Guillemette, J., Dugdale, M., Charles, E. S. Et Mazur, E., (forthcoming). Peut-on apprendre sans désapprendre ?, *Pédagogie Collégiale*, été

L'Apprentissage actif hors de la classe, est-ce possible? (in press), la Revue-Pedagogie-Collegiale.

Charles, E.S, Lasry, N., Whittaker, C., Dugdale, M., Lenton, K., Bhatnagar, S., Guillemette, J. (2015). Beyond and Within Classroom Walls: Designing Principled Pedagogical Tools for Student and Faculty Uptake. In Lindwall, O., Häkkinen, P., Koschman, T. Tchounikine, P. & Ludvigsen, S. (Eds.) (2015). *Exploring the Material Conditions of Learning: The Computer Supported Collaborative Learning (CSCL) Conference 2015, Volume 1*, pp. 292-299. Gothenburg, Sweden: The International Society of the Learning Sciences.

Charles, E.S., & Whittaker, C. (2015). Active Learning Spaces: Blending Technology and Orchestration. Lindwall, O., Häkkinen, P., Koschman, T. Tchounikine, P. & Ludvigsen, S. (Eds.) (2015). *Exploring the Material Conditions of Learning: The Computer Supported Collaborative Learning (CSCL) Conference 2015, Volume 1*, pp. 225-226. Gothenburg, Sweden: The International Society of the Learning Sciences.

Lasry, N., Charles, E., et Whittaker, C. (in press). Effective Variations of Peer Instruction: The effects of peer discussions, committing to an answer and reaching a consensus. *American Journal of Physics*.

Presentations 2015-16:

Mai 13, 2016 –à l'ACFAS, Montréal, QC “Plateformes numériques en support à la collaboration dans le recherche en mode codesign (RECODE)” présenté par : Elizabeth Charles et Nathaniel Lasry,

Mai, 2016 – à l'ARC, Montréal, QC. L'affiche : La pédagogie active en physique : les facteurs qui améliorent l'engagement et la collaboration des élèves, présenté par : Kevin Lenton, Elizabeth Charles, Chao Zhang, Rhys Adams et Jean-François Brière.

Juin, 8-10, 2016 – à AQPC, Québec, QC. Orchestrating without music: What's involved in making active learning work, présenté par : Elizabeth Charles, Chris Whittaker et Kevin Lenton.

DALITE grows up: From Cégep to HarvardX and MITx, présenté par : Nathaniel Lasry et Elizabeth Charles

Juin, 20-24, 2016 – à International Conference of the Learning Sciences (ICLS), Singapore, Malaysia. Designing Active Learning Spaces to Foster Collaboration, présenté par Elizabeth Charles, Chris Whittaker et Kevin Lenton ; à le symposium : “Future Learning Spaces for Learning Communities: New Directions and Conceptual Frameworks”, co-présidents Yotam Hod et Elizabeth Charles.

“Design-Based Implementation Research in Research-Practice Partnerships”, les organisateurs : William R. Penuel (Chair) University of Colorado Boulder (US), Philip A. Bell, University of Washington (US), Alain Breuleux, McGill University (Canada), Elizabeth Charles, Dawson College (Canada), Barry J. Fishman, University of Michigan (US), Therese Laferrière, University of Laval (Canada), Susan McKenney, University of Twente (Netherlands)

June 20-24, 2016 - Society for Teaching and Learning in Higher Education (STLHE), London, ON. “Designing Innovative, Technology-Rich, Collaborative Active Learning Classrooms: Lessons from an eight-year design-based research initiative at Dawson College” présenté par : Chris Whittaker et Elizabeth Charles.

"Design and Orchestration: How to implement active learning and promote collaboration" présenté par: Elizabeth S. Charles, Kevin J. Lenton, Chris Whittaker, and Chao Zhang

Juin 2016 – (submitted) presentation à Congress of Canadian Association of Physicists (CAP-Division of Physics Education (DPE) donner par Nathaniel Lasry, Elizabeth Charles, Sameer Bhatnagar, Chris Whittaker, Michael Dugdale, Jonathan Guillemette.

Development of Software & Applications:

Asynchronous Peer Instruction Platform

GRASP: a free app to manage active learning classrooms

Academic Advising

Tanya Chichekian was awarded a Social Sciences and Humanities Research Council postdoctoral award (2016-18) for her project ““I like to study science, but I do not want to become a scientist”: Using passion as a lens to examine college students’ motivation for engaging in extracurricular activities and pursuing a scientific career”. She also won the Jenckes Prize from McGill University, awarded annually by McGill’s Graduate and Postdoctoral Studies to the most outstanding graduate receiving a PhD degree during the academic year in any discipline in the social sciences and humanities.

Publications 2015-16:

Chichekian, T., & Shore, B. M. (accepted). First-year teachers’ uphill struggle to implement inquiry instruction: Exploring the interplay among self-efficacy, conceptualizations, and classroom observations of inquiry enactment. Submitted to *Sage Open*.

Chichekian, T., & Shore, B. M. (accepted). Preservice and practicing teachers' self-efficacy: A research synthesis. Submitted to *Cogent Education*.

Chichekian, T., & Shore, B. M. (accepted). Hold Firm: High Ability Learners Value Standing One's Ground in Disagreements with a Friend. Submitted to *Journal for the Education of the Gifted*.

Presentations 2015-16:

Chichekian, T. (May, 2016). *L'élaboration des stratégies de transfert de connaissances concernant la réussite scolaire dans une communauté de pratique*. Workshop presented at the Association Professionnelle des Aides Pédagogiques Individuelles (APAPI), Montreal, QC, Canada.

Chichekian, T. (May, 2016). *Aquarium*. Symposium organized by PERISCOPE (Plateforme d'échange, de recherche et d'intervention sur la Scolarité : persévérance et réussite) at the 84th conference of the Association Francophone Pour Le Savoir (ACFAS), Montreal, QC, Canada.

Living Campus and Sustainable Dawson

Chris Adam is engaged in research-action projects in collaboration with a number of partners. He is the Director of the Earthvalues Institute, a nonprofit organization whose mission is to teach



Team from Dawson and two Mexican partner universities at the March 2016 Sustainability Forum in Cuernavaca, Mexico

and model a new way of living, focused on sustainable development and leadership for change. In educating, the goal is to improve the connection between society and Nature through an interdisciplinary and experiential approach. At Dawson, he is driving the Living Campus and Sustainable Happiness initiatives, to make the campus healthier, happier and more livable for faculty, staff, students, our neighbours, and the world.

Chris is a co-applicant on Gisela Frias' Sustainable Campuses SSHRC CCSIF grant, and participates in sustainability initiatives in Mexico. This year, he also developed an outdoor program and report for the John Howard Society on social behavior changes of youth based on parental feedback 6 months after participating in an Environmental Leadership Program. He is the project coordinator for the Entente Canada-Quebec-funded project Biodiversity &

Experiential Learning”, and also collaborates on the ECQ - Action Research: Community Learning & Sustainability and ECQ: Learning Communities grant projects.

Publications 2015-16:

C. Adam, C. O’Brien (under review). Sustainable Happiness, Living Campus, and Wellbeing for All.

Adam, Chris & O’Brien, Catherine. (Accepted) Sustainable Happiness, Living Campus and Wellbeing for All. The International Journal of Innovation, Creativity and Change.

Presentations 2015-16:

Presentation at three universities – sustainable campuses Art, Science & Tradition; Topics: Living Campus, Sustainability research; Leadership
Concordia University – Peace and Sustainability
Normal Superior University, Mexico – Developed and mentored team during 5 day Sustainable Happiness Course



The Research Centre for the Educational and Professional Inclusion of Students with Disabilities (CRISPESH) is a College Technology Transfer Centre in Innovative Social Practices (CCTT-PSN) born out of a partnership between the Cégep du Vieux Montréal and Dawson College. The centre was recognized by the Ministry of Education, Recreation and Sports (MELS) in October 2010 and is operationally funded by the Ministère de l’Enseignement supérieur, de la Recherche et de la Science and the Ministère de l’Economie , de l’Innovation et des Exportations. CRISPESH’s research revolves around the advancement of knowledge and the development and promotion of innovative social practices that target the educational, social and professional inclusion of people living with disabilities.

CRISPESH offers targeted training opportunities and consultation services to support organizations, businesses and educational institutions with the professional and academic inclusion of people with disabilities. They publish research results in widely disseminated journals and reviews, and present at scientific conferences and events for the general public. CRISPESH works in partnership with a number of organizations, including: McGill University, UQAM, Université de Montréal, Concordia University, Collège Montmorency, Cégep Marie-Victorin, L'Office des personnes handicapées du Québec, ADAPTECH, CAMO, Autisme et troubles envahissants du développement Montréal, Centre Abe Gold, École À Pas Geant, Association Québécoise pour la réadaptation psychosociale, English Montreal School Board, Association Québécoise interuniversitaire des conseillers aux étudiants en situation d'handicap, Action main-d'œuvre, Association Québécoise des étudiants ayant des incapacités au post-secondaire.

The CRISPESH team is completing the following projects in 2015-16:

1. Les applications pédagogiques de la conception universelle de l'apprentissage
Programme : Programme de collaboration pour les universités et les collèges
Organisme subventionnaire : Ministère de l'Éducation, de l'Enseignement Supérieur et de la Recherche
Partenaire(s) : Cégeps : Marie-Victorin, Montmorency, Vieux Montréal; Universités : Université de Montréal, Université du Québec à Montréal.
Objectif : L'élaboration d'applications pédagogiques conçues selon les principes de la Conception Universelle de l'Apprentissage (CUA) afin de soutenir les enseignants dans la planification de cours répondant tant aux besoins d'étudiants en situation de handicap qu'à l'ensemble des étudiants de la classe.

2. Consortium de recherche sur la gestion de la diversité en emploi
Programme : Alliances stratégiques
Organisme subventionnaire : Trans-tech Le réseau des CCTT
Partenaire(s) : Écobes, IRIPI
Objectif : Créer une alliance stratégique sur l'insertion professionnelle des jeunes, des immigrants et des personnes en situation de handicap.

3. Conception d'un vêtement de compression adapté pour des adolescents et de jeunes adultes vivant avec un trouble du spectre de l'autisme
Programme : Programme d'aide à la recherche et au transfert – Volet technologique
Organisme subventionnaire : Ministère de l'Éducation, de l'Enseignement Supérieur et de la Recherche
Partenaire(s) : Vestechpro
Objectif : la conception d'un vêtement de compression adapté pour les adolescents et les jeunes adultes atteints d'un trouble du spectre de l'autisme.

The following projects are newly funded in 2015-16:

1. Soutien à l'intégration des étudiants en situation de handicap : Développement d'un instrument d'évaluation des besoins de l'apprenant
Programme : Programme d'aide à la recherche et au transfert - Volet sociale
Organisme subventionnaire : Ministère de l'Éducation, de l'Enseignement Supérieur et de la Recherche

Partenaire(s) : CIMMI

Objectif : Développer un instrument d'évaluation à l'intention des intervenants des services adaptés pour soutenir les étudiants en situation de handicap dans leur réussite éducative.

2. Développement d'un modèle d'incubateur d'entreprises inclusif pour les autochtones en situation de handicap

Programme : Fonds d'innovation sociale destiné aux communautés et aux collèges

Organisme subventionnaire : Conseil de recherches en sciences humaines du Canada

Partenaire(s) : Collège Dawson, Conseil des Premières Nations en éducation des adultes et La Commission de Développement des Ressources Humaines des Premières Nations du Québec

Objectif : Développer un modèle d'incubateur d'entreprises répondant aux besoins des personnes en situation de handicap et adapté aux réalités autochtones du Québec

3. Formation par simulation mentale

Programme : Passeport Innovation

Organisme subventionnaire : Ministère de l'Économie, de l'Innovation et des Exportations

Partenaire(s) : Hébergement Communautaire Ungava (HCU)

Objectif : Développer un prototype de formation par simulation en santé mentale offert sur support multimédia pour les intervenants d'une ressource communautaire œuvrant en région éloignée au sein d'une communauté inuit.

4. La photographie comme moyen d'expression, de participation sociale, d'autodétermination et d'inclusion des étudiants en situation de handicap au collégial

Programme : Programme de soutien aux organismes de promotion

Organisme subventionnaire : l'Office des personnes handicapées du Québec (OPHQ)

Partenaire(s) : CCSI de l'Ouest associé et l'Association québécoise des étudiants ayant des incapacités au postsecondaire (AQEIPS).

Office of Academic Development

Research Office 4B.3A-6

Barbara Freedman, Dean of Academic Development

Kaila Folinsbee, Coordinator of Research

Debra Gill, Administrative Technician

514-931-8731 ext. 1374

research@dawsoncollege.qc.ca

www.dawsoncollege.qc.ca/research/



@DawsonResearch