



ANNUAL RESEARCH  
REPORT  
2016-2017



# Contents

|                                  |    |
|----------------------------------|----|
| Message from the Dean.....       | 3  |
| Research Highlights.....         | 4  |
| Social Sciences.....             | 6  |
| Humanities.....                  | 11 |
| Creative and Applied Arts.....   | 15 |
| Natural and Health Sciences..... | 19 |
| Pedagogical Research.....        | 28 |

# A Message from the Dean of Academic Development



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

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.

We are pleased to acknowledge support from the Research Support Fund which enables us to attract and retain talented teacher-researchers, develop extensive partnerships and collaborations, and to support student involvement in research across the college.

In 2016-17, 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. This year, we are proud to highlight projects that contribute to both knowledge creation and knowledge mobilization. For example, we have researchers examining wind patterns, how to improve First Nation student success in postsecondary education, campus sustainability, and development of free online MOOCs for improved physical activity. Our researchers participated in numerous conferences, workshops and colloquia here in Canada and around the world, sharing their discoveries and expertise with their academic peers and the general public.

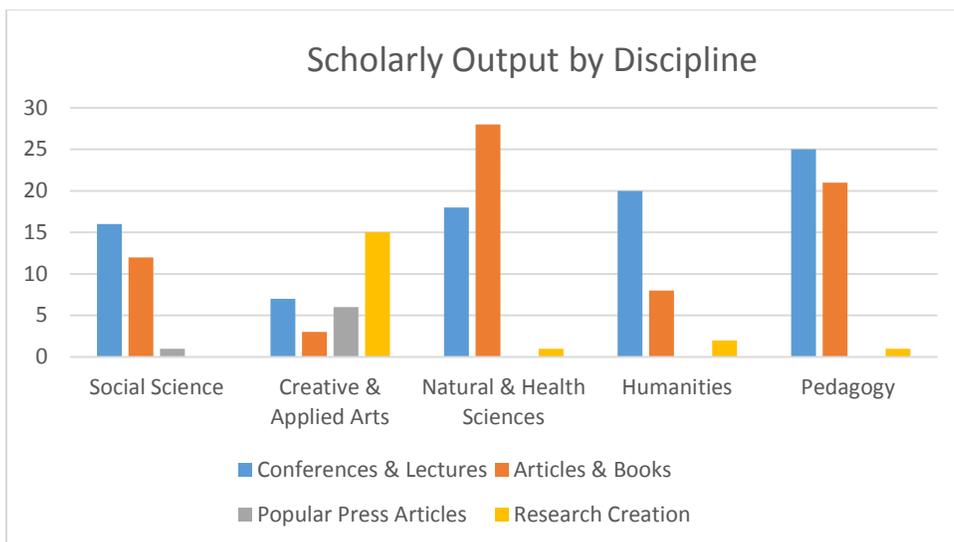
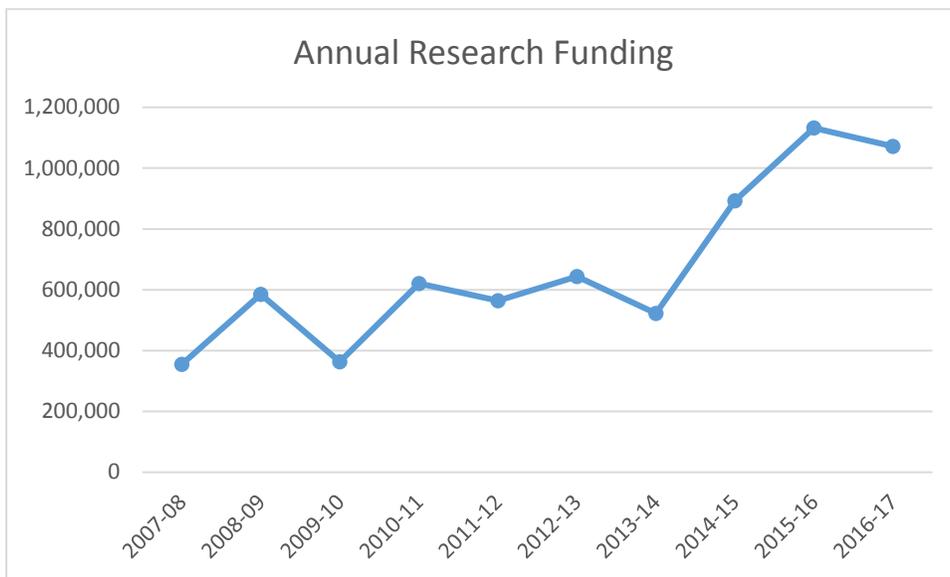
I invite you to explore in this document projects that illustrate the incredible variety and significant contributions to society that our researchers and innovators make. To our faculty, thank you for your persistence and dedication to expanding knowledge in your fields; your contribution to scholarship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

Barbara Freedman

Dean of Academic Development

# Research Highlights

In spite of the climate of economic uncertainty in the areas of higher education and research, 2016-17 was a strong year for the Dawson research community, with 31 funded projects under way, supporting 26 researchers and generating over \$1 million dollars in research funding. This includes nine new grants received from various federal and provincial funding agencies this past year. Dawson researchers were active in publishing and presenting their research nationally and internationally, as well as collaborating with external partners and organizations.



# Dawson Research Activities 2016-2017

# SOCIAL SCIENCES

**Alexandra Law's** work focuses on labor organizing among precarious immigrant and migrant workers in Canada and the United States. It is supported through a four-year Soutien aux équipes de recherche grant from the FRQSC. She has a co-authored journal article under review and has submitted a co-authored book manuscript, with anticipated publication later this year. Alexandra organized a presentation at the Social Science Week at Dawson on "Precarious Work by Recent Immigrants: New Graduate Research in Montreal" where two graduate student panelists from the GIREPS research group discussed their work.

**Martin Renaud** published an article titled, "The Esquel effect: political opportunity structure and adaptation mechanisms in anti-mining mobilisation in Argentine Patagonia," *Canadian Journal of Development Studies / Revue canadienne d'études du développement*, 37:4, 524-540, doi: 10.1080/02255189.2016.1202102.

**Denise Brend** is completing her PhD on the experiences of social workers working with trauma and professional relationships at McGill University. She received an Arts Graduate Student Travel Award from McGill University in 2017 and completed a two-year Building Research Capacity Participatory Research Training Fellowship at the Centre for Research on Children and Families, McGill University (2015-2017). She is a Disciplinary Member of the Research Ethics Board at Dawson since 2016. She has been co-chair of Interpretive Phenomenological Analysis Workgroup, a special interest group of the McGill Qualitative Health Research Group (2015-2017) and a contributor to *Mile End, MTL ourstory: A collected experience of Women and LBT cultural production in the era of H2T* since October 2016 on Facebook.

## Publications:

Brend, D. M. & Wegner-Lohin, J. (2016). Friend support and long-term psychological impacts of surviving child maltreatment [Review of the article, "A prospective study of the impact of child maltreatment and friend support on psychological distress trajectory: From adolescence to emerging adulthood," by Dion, J, Matte-Gagné, C, Daigneault, I, Blackburn, M-E, Hébert, M, McDuff, P, Perron, M.

## Conference Presentations and Posters:

Brend, D.M. "Social Work and Trauma: The Dynamic Process of Social Support Described by Intimate Partner Violence Clinicians." The Ripple Effect: Trauma & Dissociation in the Mainstream, International Society for the Study of Trauma and Dissociation 34<sup>th</sup> Annual Conference, Washington, D.C., April 2017.

Brend, D.M. "Social Work on the Front-lines: finding protection in workplace social support." Poster session presented at the Traumatic Stress Research: Enabling bedside implementation, Joint International Society for Traumatic Stress Studies and Canadian Institute

for Military and Veteran Health Research Conference, Allstream Centre, Toronto, Ontario, May 2016.

**Catherine Fichten's** research has two foci: postsecondary students with disabilities and sleep and its disorders. For her research on students with disabilities, please see the section on Adaptech. Catherine's sleep research focuses 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.

This year, Catherine completed a four year FRQNT grant, "Mesure objective de l'attention et de la somnolence au volant" The objective of the project was a series of three studies to validate the portable NeuroSky MindWave device and algorithm to allow for its use in driving safety. The MindWave device is an inexpensive, battery-operated, and portable EEG headset. In each of the three studies, the research team found no evidence for either the reliability or the validity of the NeuroSky device or the attention, sleepiness, or eye blink algorithms. In addition, there were numerous problems with the headset (pain, headset slipped, Bluetooth connection to the computer dropped, empty intervals, etc.) The research concluded that the MindWave Device is not yet ready for use a serious measure of attention, sleepiness, or eye blink and is not ready for use in scientific studies.

#### Recent Refereed Publications:

Bailes, S., Fichten, C. S., Rizzo, D., Baltzan, M., Grad, R., Pavilanis, A., Creti, L., & Libman, E. (2017). The challenge of identifying family medicine patients with obstructive sleep apnea: Addressing the question of gender inequality. *Family Medicine*. Advance online publication. doi:10.1093/fampra/cmz008

Libman, E., Bailes, S., Fichten, C. S., Rizzo, D., Creti, L., Baltzan, M., Grad, R., Pavilanis, A., Tran, D.-L., Conrod, K., & Amsel, R. (2017). CPAP treatment adherence in women with obstructive sleep apnea. *Sleep Disorders*, Volume 2017. doi:10.1155/2017/2760650

Rizzo, D., Libman, E., Creti, L., Baltzan, M., Bailes, S., Fichten, C., & Lavigne, G. (2017). Determinants of policy decisions for non-commercial drivers with OSA: An integrative review. *Sleep Medicine Reviews*. Advance online publication. doi:10.1016/j.smrv.2017.02.002.

Libman, E., Fichten, C. S., Creti, L., Zerkowitz, P., Conrod, K., Tran, D.-L., Grad, R., Jorgensen, M., Amsel, R., Rizzo, D., Baltzan, M., Pavilanis, A., & Bailes, S. (2016). Refreshing sleep and sleep continuity determine perceived sleep quality. *Sleep Disorders*, Volume 2016. doi:10.1155/2016/7170610.

Fichten, C. S., Budd, J., Spector, I., Amsel, R., Creti, L., Brender, W., Bailes, S., & Libman, E. (2017). Sexual Self Efficacy Scale-Erectile Functioning (SSES-E). In R. Milhausem J. Sakauluk, C. M. Davis, W. L. Yarber, & T Fisher (Eds.), *Handbook of Sexuality-related measures* (4th edition). New York: Routledge. Chapter submitted for publication.

Creti, L., Libman, E., Rizzo, D., Fichten, C. S., Bailes, S., Tran, D.-L., & Zelkowitz, P. (2016). Sleep in the postpartum: Characteristics and implications. Submitted.

#### Refereed Conference Presentations:

Fichten, C., Vitouchanskaia, C., Bailes, S., Creti, L., Rizzo, D. & Libman, E. “Toy or tool redux: Evaluation of the MindWave Mobile.” Presentation at the 30th Annual Meeting of the Associated Professional Sleep Societies (APSS), Denver, Colorado, June 2016.

Bailes, S., Rizzo, D., Baltzan, M., Grad, R., Pavilanis, A., Tran, D.-L., Conrod, K., Amsel, R., Capozzollo, B., Creti, L., Fichten, C., & Libman, E. “Differential characteristics of women and men adherent and nonadherent to treatment for sleep apnea.” Presentation at the 30th Annual Meeting of the Associated Professional Sleep Societies (APSS), Denver, Colorado, June 2016.

Rizzo, D., Lavigne, G., Creti, L., Tran, D.-L., Fichten, C., Bailes, S., Conrod, K., & Libman, E. “Does CPAP improve driving behavior in individuals with sleep apnea?” Presentation at the 30th Annual Meeting of the Associated Professional Sleep Societies (APSS), Denver, Colorado, June 2016.

#### Reports and Abstracts:

Fichten, C., Vitouchanskaia, C., Bailes, S., Creti, L., Rizzo, D., & Libman, E. (2016). “Toy or tool redux: A second look at a consumer brain-behavior EEG headset.” *Sleep*, 39 (Abstract Supplement), A61.

Bailes, S., Rizzo, D., Baltzan, M., Grad, R., Pavilanis, A., Tran, D.-L., Conrod, K., Amsel, R., Capozzollo, B., Creti, L., Fichten, C., & Libman, E. (2016). “Differential characteristics of women and men adherent and nonadherent to treatment for sleep apnea.” *Sleep*, 39 (Abstract Supplement), A151. Abstract 0422.

Rizzo, D., Lavigne, G., Creti, L., Tran, D.-L., Fichten, C., Bailes, S., Conrod, K., & Libman, E. (2016). “Does CPAP improve driving behavior in individuals with sleep apnea?” *Sleep*, 39 (Abstract Supplement), A146-147.

#### Involvement of students in research

- Dorrie Rizzo – Ph.D. student, Université de Montréal
- Dieu-Ly Tran – M.A. student, Université de Montréal
- Maegan Harvison – college student, Dawson College
- Christine Vo – undergraduate, Concordia University

## SUSTAINABILITY

**Anna-Liisa Aunio** and her research team received a Community and College Social Innovation Fund grant from SSHRC in 2016 for their project, “Food Justice and Sustainability: Mobilizing new technologies to transform cities and build communities of change.”

### Presentations:

“Justice et durabilité alimentaire: Collège Dawson,” Panel sur le rôle des campus montréalais dans l’incubation d’initiatives étudiantes novatrices en alimentation, Forum Système alimentaire montréalais, Centre de recherche du Centre Hospitalier de l’université de Montréal, Montréal, QC, October 5, 2016.

“From Food Security to Food Justice: Establishing a framework to address inequality and sustainability in urban food systems.” From Practice to Policy Seminar Series, Institute for Health and Social Policy, McGill University, Montreal, QC, October 27, 2016.

“Food Justice and Sustainability,” Beyond Disciplines: Building bridges/going beyond walls, Concordia University, Montreal, QC. December 1, 2016.

“The Community as Classroom: structuring data collection and learning beyond the walls,” Fifth Annual Winterfest, Centre for Teaching and Learning, Concordia University, Montreal, QC, January 27, 2017.

“The Rise of Trump: The Trump Media Effect,” Panel on the Rise of Trump, Social Science Week, Dawson College, Montreal, QC, February 2017.

“Food Justice & Sustainability: New Directions in Research and Action in Montreal,” Environment Seminar, Social Science Week, Dawson College, Montreal, QC, February 8, 2017.

“Sharing our Knowledge on Food Justice,” Forum, Sustainable Campuses Initiative, Dawson College, Montreal, QC, April 26, 2017.

### Conferences Organized:



Food Justice: Bridging Action and Theory, Forum in Collaboration with Institute for Health and Social Policy, IHSP, McGill University, Montreal, QC and Grand Potager, Verdun, QC, May 3-4, 2017.

Sustainable Campuses Forum (with Gisela Frias), Dawson College, Montreal, QC, April 26, 2017.

Popular media:

Interview with Kelly Crowe. “What Trump’s Climate Denial Means for Canada,” *The Current*, CBC. November 11, 2016. <http://www.cbc.ca/radio/thecurrent/the-current-for-november-11-2016-1.3845820/what-trump-s-climate-change-denial-means-for-canada-1.3845891>

Interview with Aaron Lakoff. “Building Bridges/Going Beyond the Walls,” *Beyond Disciplines: The Podcast, Season 2, Episode 2*. March 2, 2017. <https://www.concordia.ca/artsci/events/beyond-disciplines-podcast.html>

Interview with Susan Semenak. “Seeds of Understanding in Dawson College’s Three Sisters Garden,” (with Orenda Boucher-Curotte and Diana Rice), *Montreal Gazette*. October 12, 2016. <http://montrealgazette.com/life/food/the-three-sisters-garden-old-meets-new>

**Gisela Frias** and her team began their research project, “Sustainable Campuses: A North-South Research and Action Community,” in November 2016 with funding from the SSHRC Community and College Social Innovation Fund. This project is part of Dawson’s continuing institutional collaborations with Mexican partners, 3 universities and a non-governmental organization, to create and mobilize knowledge on campus sustainability across international boundaries. As part of their activities this past year, Gisela and her team carried out collaborative research, developed courses and organized forums, conferences and workshops. They have also had strong student engagement through student exchanges. Eight Dawson students from the Community Leadership and Recreational Training as well as Environmental Science and Environmental Studies participated in internships in Mexico between February 2016 and 2017. The research team also organized two forums this spring: “Itinerant Binational Forum on Sustainable Campuses” held in Mexico on March 13-15, 2017 and “Sustainable Campuses Forum Canadá-México” held at Dawson College, April 24-27, 2017. Find out more about the project at <https://www.dawsoncollege.qc.ca/sustainable-campuses>.

**Chris Adams** co-supervised a student thesis about Dawson’s carbon footprint by Sergio Garcia, from the Universidad Politécnica in Mexico. He presented at several conference on “Well-being for all, sustainably,” the central concept of sustainability initiatives at Dawson College. He continued to work on various projects through the Living Campus Initiative: urban ecology workshops for CTD; monarch nursery project; carbon neutral program; naturehood day camp; biodiversity zones; sustainability certificate and the sustainable happiness certificate. As part of his local outreach efforts, Chris is developing a Living Campus elementary school tour. He is working with the Quality Assurance & Planning Office, Plant & Facilities and the Sustainability Steering Committee to develop a sustainability master plan for the college to seek accreditation by an external organization.

# HUMANITIES

**Ian Alexander Cuthbertson** is a Flora Jane Postdoctoral Fellow and Adjunct Assistant Professor at Queen's University (Ontario) and an instructor in the Humanities department at Dawson.

## Publications:

Young, Pamela Dickey, Heather Shipley, and Ian Alexander Cuthbertson. 2016. "Religion, Gender and Sexuality among Youth in Canada: Some Preliminary Findings." *The Bulletin For the Study of Religion*. 45 (1): 17-26.



Cuthbertson, Ian Alexander. "Why is Religion So Often Involved in Politics?" In Hughes, Aaron W. and Russel T. McCutcheon Eds. *Religion in Five Minutes*. 64-67. Sheffield: Equinox. 2017.

Cuthbertson, Ian Alexander. "Rightly Disdained by Intelligent Persons: Magic, Superstition, and the Disenchantment of the World. In Ramey, Steven Ed. *Fabricating Difference*. Sheffield: Equinox. 118-125. 2017.

## Conference Presentations:

"Preaching to the Choir? Religious Studies and Religionization." North American Association for the Study of Religion Annual Meeting. San Antonio, Texas. November 18-20, 2016.

"The Compassionate Universe." McGill-CREOR Graduate Student Conference: Frontiers: Cosmos, Curiosity, Creativity. Montreal, QC. November 12-13, 2016.

"The Problem With Re-Enchantment: Half-Belief, Irony, and Play." Annual Meeting of the Canadian Society for the Study of Religion at the Congress of the Humanities and Social Sciences, Calgary, AB. May 28 to June 3, 2016.

"The Promise of Enchantment." Cultural Studies Interdisciplinary Graduate Student Conference: Undisciplined, Kingston, ON. April 1, 2016.

## Conferences Organized:

Organizer of Unravelling Religion 4: Bodies and Objects. Interdisciplinary Graduate Student Conference. Queen's University School of Religion, Kingston, ON. May 12-13, 2017.

Organizer of Unravelling Religion 3: Space, Place, and Affect. Interdisciplinary Graduate

Student Conference. Queen's University School of Religion, Kingston, ON. May 13-14, 2017.

**Kester Dyer** is a part-time faculty member in Humanities and currently completing a PhD in Film and Moving Image Studies at the Mel Hoppenheim School of Cinema, Concordia University. His dissertation, funded by FQRSC and SSHRC, examines expressions of intercultural tension through manifestations of the supernatural in Québec cinema. He received the Film Studies Association of Canada (FSAC) Student Writing Award for 2016.

Publications:

Dyer, Kester. "Léolo's Fantasized Italy: Family Romance and Accented Cinema in Québec." *Journal of Italian Cinema and Media Studies*.5.1 (Jan 2017): 47-64.

Conference Presentations:

"Indigenous Identities and Contemporary Québec Cinema" at the Humanities and Public Life Conference, Dawson College, 20 Sept. 2016.

"Recasting Québec/France as Intercontinental Haunting: Jean-Marc Vallée's *Café de Flore*," Society for Cinema and Media Studies (SCMS), Atlanta, 30 March 2016.

Workshops organized:

Course Producer, *The Truth about Our Stories*, a cross-platform documentary program for Indigenous (Wapikoni Mobile, <http://www.wapikoni.ca/home>) filmmakers at Concordia University. A series of pilot workshops developed in collaboration with Liz Miller (Professor, Communication Studies, Concordia University).

Short Film Produced by Workshop Participants: <http://www.wapikoni.ca/movies/co-wreck-the-record>

A short "making of" documentary made by Julie Anne Bautista Beauchesne: *Shaping Stories Across Platforms - A Documentary Workshop*: <https://vimeo.com/209583477>

**Kristopher Woofter** completed his PhD in Film and Moving Image Studies from Concordia University in June 2017. His research includes the horror genre, the Gothic, folk and fairy tales, documentary, mockumentary, pseudo-documentary and new media. He is a peer reviewer for *Horror Studies* and Associate Editor of *Slayage: The Journal of Whedon Studies*. He is co-director, curriculum coordinator and lecturer for the Miskatonic Institute of Horror Studies, Montreal, Associate Editor and Co-chair of Horror Area of the Popular Culture Association / American Culture Association, and a member of Editorial Board of *Watcher Junior: The Undergraduate Journal of Whedon Studies*. He is also a film programmer for the Montreal Underground Film Festival.

Lectures and Refereed Conference Presentations:

Public Lecture: "Slasher Theory: Reassessing an Undervalued Horror Subgenre." Humanities and Public Live Conference. Dawson College. Montréal, QC, February 2017.

Lecture/Screening: "Forgotten Films from the Vault of Horror: *Dementia* (1956)." Popular Culture/American Culture Associations National Conference. San Diego, CA, April 2017.

Public Lecture Series (3 weeks): "Shirley Jackson's Weird." Miskatonic Institute of Horror Studies. Montréal, QC, November 2016.

Lecture/Screening: "Forgotten Films from the Vault of Horror: *Strangler of the Swamp* (1948)." Popular Culture/American Culture Associations National Conference. Seattle, WA, March 2016.

**John Hunting** completed his four year project, "ARTHEMIS: histoire, épistémologie et culture des études sur le cinéma et l'image en mouvement" funded by the FRQSC programme, Soutien aux équipes de recherche (PI : Martin Lefebvre, Concordia University). John uses a Levinasian approach to the photographic, exploring the ethics of visual communication. His research addresses ethics, aesthetics, photographic arts and media studies.

**Nadia Khouri** is interested in philosophy and happiness, and is working on a treatment of the topic from Plato to the World Happiness Report. She is continuing to teach Philosophy and Ethics in Films and has participated in the annual Humanities and Public life conferences at Dawson for the past few years. She interviewed human rights lawyer, Julius Grey, and plans to interview former MNA Fatima Houda Pepin at the next Humanities and Public Life Conference in September 2017. She has made video compilations of animation clips on philosophy and ethics.

**Jiri Tucker** spent time in the eastern United States on his professional development leave in 2015-2016, investigating the connections between classics (the Greco-Roman world) and the extensive museum collections in New York, Philadelphia, Baltimore and Washington DC. He met with museum educators, docents, restorers and administrators to consider different approaches to education and to understand better how to use museums as learning institutions for college students. He also gave lectures on classics at local American high schools, and met with teachers and administrators to discuss classics as part of the curriculum, gaining valuable insight into the continued importance of classics as a pedagogical tool.

**Michael Wood** presented in September 2016 at Dawson's Humanities and Public Life Conference. His presentation was titled, "Nation Branding as Reflected in UNESCO World Heritage Sites in the Balkans." It examined a series of sites in Montenegro, Croatia and Bosnia-Herzegovina that are either on or have been proposed for the UNESCO World Heritage list. For each of these countries, the selection of a site involves the propagation of a distinct national brand that promoted their cultural, economic and even political interests. This presentation was the result of research conducted in the region in the summer of 2016, partially funded by the Dawson College Professional Development Fund. This research built on previous work

conducted in the region in the summer of 2014 and reflected a long-standing research interest in the use and misuse of historical themes and symbols for purposes of nation building, regime legitimization and national branding in Egypt, Indonesia and the Balkans.

**Julian Nemeth and Jean Coléno** organized the annual Dawson College Humanities and Public Life Conference, September 19-23, 2016, which had the theme of “Thinking about Identity.” The conference had 25 sessions attended by 3500 people.



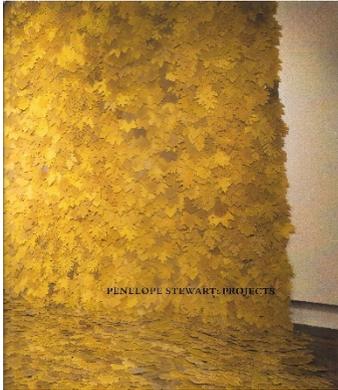
The conference included many engaging presenters. Among them were Taiaiake Alfred from the University of Victoria, arguably the world’s leading expert on indigenous governance, Michel Seymour, one of Quebec’s most distinguished political scientists, Heather Igloliorte, one of Canada’s foremost experts on Inuit art, and Stevan Harnad, the 2001-2015 Canada Research Chair in Cognitive Science. The conference also included a special session devoted to the *It Happens Here* initiative, which documents the stories of sexual assault survivors.

**Janice Harvey** is a member of a FRQSC funded research team that studies questions of poverty and vulnerability in nineteenth and twentieth century Montreal. This year she pursued her research on the Boys’ Home of Montreal, presenting a paper in the fall, “Training Citizens: The unusual approach of the Boys’ Home of Montreal, (1871-1908)” that was subsequently submitted for publication. She also corrected and updated the English translation of a chapter she co-wrote with the late Jean-Marie Fecteau, “Montreal’s Network of Social Regulation,” to be published in the upcoming *History of Montreal and its Regions* by McGill-Queens University Press. Palgrave Macmillan has accepted to publish a book on the history of youth and justice, in which she is the author of a chapter on the Ladies’ Benevolent Society Industrial School. She is beginning research on the Sherbrooke Reform School for a conference presentation in the fall and continuing work on a manuscript. Over the course of the year, she worked with six students on various projects, including building a new database.

**Elizabeth Kirkland** completed a four year research project “Modernité et légitimité à Montreal, 1800-2010” funded by the FRQSC programme, Soutien aux équipes de recherche (PI: Rudy Jarrett, McGill University). She looked at the ways women in the pre-suffrage era created political and activist links that crossed the Atlantic. In particular, the years during the Great War provided many opportunities for Montreal women to build transnational networks that embodied their nationalist, imperialist, and maternalist activism. For example, Lady Julia Drummond established a massive coordinated effort to connect Canadian soldiers on the front to their family back in Canada through an Information Bureau that worked under the auspices of the Red Cross. The IB's reach went far beyond anything Drummond initially envisioned and was in perpetual coordination with the Canadian Government, the War offices, and the International Red Cross as it became the central communication hub for Canadian Soldiers taken as Prisoners of War by the Germans. This one example demonstrates the way women were entangled in complex transatlantic political action before most women in Canada (or Great Britain) had the right to vote. Similar trans-Atlantic co-ordination efforts were explored connecting Montreal to Paris as well.

# CREATIVE AND APPLIED ARTS

## FINE ARTS



**Natalie Olanick** curated an exhibition of multi-media artist Penelope Stewart's work, *Cleave ...a walk in the wilderness*, at the Warren G. Flowers gallery at Dawson College, from February 18 to March 12, 2016. She wrote the essay for the catalogue, *Penelope Stewart: Projects*. Stewart carried out a yearlong project at Dawson, which comprised a solo exhibition, a portfolio of prints with Dawson students and faculty and an outdoor installation in the Peace Garden. Find more about the exhibition here: <https://www.dawsoncollege.qc.ca/art-gallery/past-exhibitions/cleave-a-path-in-the-wilderness-by-penelope-stewart/>

**Beverly Sing** exhibited her Japanese brush calligraphy artwork at several exhibitions.



Japanese Calligraphy scroll with a haiku poem (Plums in May) submitted to the 45th Exhibition of the International Calligraphers Association in Tokyo, March 2017. It was awarded a Jury Prize (International Division) and exhibited at the Tokyo Metropolitan Museum, March 1-8, 2017.

Japanese Calligraphy scroll with two summer poems from the Wakan Roei Shu submitted to the 9th Annual Japanese Calligraphy Competition in Toronto, Canada, November 2016. It was awarded a Gold Prize and exhibited at the Japanese-Canadian Cultural Centre in Toronto, November 5-12, 2016.



## PHOTOGRAPHY

**Kate Hutchinson's** book, *The Park* (Editions du Renaud, 2015), which is a collection of images taken on Mount Royal, received more publicity in the past year. Images from *The Park* were exhibited in Toronto at Album Gallery from April 1st - June 1st 2016.

Campbell, James. "Review of Kate Hutchinson – The Park." *Ciel Variable Magazine* (Spring-Summer 2016). <http://cielvariable.ca/en/kate-hutchinson-the-park-james-d-campbell/>

Hutchinson, Kate. "Central Parc: Finding common ground under Montreal's giant cross." *The Walrus*, October 20, 2016. <https://thewalrus.ca/central-parc/>

## ENGLISH LITERATURE AND LITERARY CRITICISM

**Stewart Cooke** is completing his three year research project on the letters and writings of English novelist, diarist and playwright Frances Burney and her family, funded by a SSHRC Insight Grant.

Presentations:

“‘Received Melodies’: The New, Old Novel.” Session: "History/Fiction/Film." Authorship and Appropriation Conference, University of Dundee, 2016.

“Frances Burney and the ‘Cantabs.’” “Scandal and Sociability: New Perspectives on the Burney Family” Symposium, University of Cardiff, 2015.

**Sarah Burgoyne’s** poetry collection, *Saint Twin* (Mansfield Press, 2016) was nominated for the A.M. Klein Prize in Poetry. She also received a Canada Council of the Arts Grant for her second manuscript, tentatively titled *I the Sun*.

**Marie Thérèse Blanc** published two articles, along with her own photographs.

Blanc, Marie Thérèse. "Perfection Lost: A Reflection on the Age of Mapplethorpe." *Montreal Serai* 29:3 (29 Oct. 2016).

Blanc, Marie Thérèse. "We're Ready, My Lord: Thanking Leonard Cohen One Last Time." *Montreal Serai* 29:4 (20 Dec. 2016).

**David Gelineau** has two publications:

Gelineau, David. “The Democr(a/i)tic Fate in Wycherley’s *Love in a Wood*.” *English Studies* 98.4 (2017): 376-92.

Gelineau, David. “Wycherley’s *The Plain Dealer*: The Whorehouse of Language.” To be published in *Restoration* 41.1 (2017): 29-58.

**Joseph Rosen’s** two previously published articles, “The Israel Taboo” and “The Third Solitude,” were nominated for Best Essay in the National Magazine Awards of 2014 and 2015, respectively. He also participated in various literary events in the past year.

Rosen, Joseph. “Among the Hasidim,” *The Walrus Magazine*, Feb. 22, 2017.  
<https://thewalrus.ca/among-the-hasidim/>

Public speaking:

Host, roundtable on “God, Society, Literature” with Amir Or, Ariela Freedman, Josip Novakovich & Gorazd Kocijancic at Blue Metropolis, April 28, 2017.

In conversation with Assaf Gavron. Rialto Theatre, June 7, 2016.  
In conversation with Ayelet Tsabari. Blue Metropolis, 17 April 2016.

**Sabine Sautter-Léger's** research areas include modernist and contemporary literature.

Sautter-Léger, Sabine. "Railed in by a Maddening Reason: A Reconsideration of Septimus Smith and His Role in Virginia Woolf's *Mrs. Dalloway*." *Papers on Language and Literature*, vol. 53, no. 1, 2017, pp. 3-31.

## FRENCH LITERATURE

**Djemaa Maazouzi's** field of study is French-language literature of the 20<sup>th</sup> and 21<sup>st</sup> 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 sociocriticism and intermedial studies and questions the links between history, politics and literature.

Publications:

Maazouzi, Djemaa. « 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, n<sup>o</sup> 2, Mai, 2016, 16 p. (<http://revuemusicaleoicrm.org/rmo-vol3-n2/germaine-tillion/>)

Forthcoming Special issue edited by Djemaa Maazouzi, Sathya Rao et Chris Reynolds-Chikuma, « Fictions du terrorisme dans l'espace francophone » *Alternative Francophone*, vol. 2, n<sup>o</sup> 1 (<https://ejournals.library.ualberta.ca/index.php/af>).

Conference presentations:

Maazouzi, Djemaa. « À "je-nous" – le mélodrame de Sympathie dans *Le Verfügbar aux Enfers* », journée d'étude spéciale intitulée « Mémoire musicale et résistance dans les camps », organisée lors du colloque international Musique – Disque – Radio en pays francophones, 1900-1950 organisée par L'Observatoire interdisciplinaire de création et de recherche en musique (OICRM) et l'Équipe Musique en France aux XIX<sup>e</sup> et XX<sup>e</sup> siècles : Discours et Idéologies (ÉMF), Faculté de musique, l'Université de Montréal, le 20 octobre 2016.

Maazouzi, Djemaa. « Sur le corps (électoral) des femmes. Algérie 1954-1962 », Conférence inaugurale 2016 du Centre de recherche interuniversitaire en sociocritique des textes (CRIST) intitulée « Électeurs, Électrices et lecteurs et lectrices, ou Battre les campagnes », Université du Québec à Montréal (UQAM), le 9 septembre 2016.

**Véronique Millet** has studied French language and literature as well as art history. Her research focuses on the work of Marcelle Ferron and the notion of transparency. She participated in an international colloquium in Morocco and presented on self-portraits in photography in the work of French-Canadian artist, Françoise Belu.



Presentation:

« Le reflet : ou comment se dévoile l'intime de l'artiste et du regardeur »  
« Le portrait dans la littérature et les arts visuels », organized by the  
Faculté des lettres et des sciences humaines, Université Ibn Zohr, Agadir  
(Maroc), 15-17 mars 2017.

Photo by Françoise Belu

# NATURAL AND HEALTH SCIENCES

## MATHEMATICS

**Stefan M. Soltuz** has a new publication, “A New Iteration Method for the Zeros of an Application,” *Asian Journal of Mathematics and Computer Research*, vol.16:3 (2017), pp.134-140.

**Richard Fournier’s** research in mathematical analysis is funded through two ongoing grants: an FRQNT Programme de recherche pour les enseignants de collège for the project “Quelques problèmes d’analyse complexe” and an FRQNT Soutien aux équipes grant through his affiliation at the Centre de Recherches Mathématique at Université de Montréal. Richard is also an adjunct professor in the Mathematics Department of Université de Montréal. He is involved in the training of Dawson students for mathematics competitions and the now traditional yearly Dawson mathematics competition. He submitted in 2016 two papers written jointly with Dawson students to the Dawson Research Journal of Experimental Sciences. In 2016, Richard was a peer reviewer for 10 papers from various journals, such as *Mathematical Reports of the Canadian Academy of Sciences*, *Turkish Journal of Mathematics*, *Journal of Integral Transforms, Computational Methods and Function Theory*, *Annales des Sciences Mathématiques du Québec*, *Proceedings of the American Mathematical Society*, *Analysis Mathematica*, and *Applied Mathematics*. Richard collaborated this year with international colleagues: Richard Grenier from Germany who also gave a talk in the Math department at Dawson and in the winter of 2016, Catherine Bénéteau and Dima Khavinson from the University of South Florida.

### Publications:

Fournier, Richard and St. Ruscheweyh, “Remarks on two inequalities for polynomials in the unit disk”, to appear in *Progress in Approximation Theory and Applicable Complex Analysis*, Springer-Verlag (2017).

Fournier, Richard. “On a new proof and an extension of Jack’s lemma” to appear in *Journal of Applied Analysis*, De Gruyter (2017).

Fournier, Richard and Jason Da Silva Castanheira, “A reversed Cauchy-Schwarz-Bunyakovsky inequality,” *Dawson Research Journal of Experimental Science* 11(2016), 26-28.

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

Fournier, Richard and Yassmine Abdrabo, “On the Riemann Rearrangement Theorem,” Submitted for publication, 2016.

#### Conference Presentations and Talks:

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

« Fonctions et Inégalités. » Dawson College, Camp mathématique de l’AMQ, June 2016.

“On Bernstein and Markov type Inequalities.” New Trends in Approximation Theory, Fields Institute, Toronto, July 2016.

“On various proofs of Jack’s lemma.” Congressio Mathematica, University of Warmia in Olsztyn, Poland, September 2016.

“Discrete Bernstein and Markov Inequalities for polynomials.” Workshop Complex Analysis, Universitaet Wuerzburg, October 2016.

“Three polynomial inequalities for the price of one!” Winter Meeting of the Canadian Mathematical Society, Niagara Falls, December 2016.

**Benjamin Seamone** is completing his research project, “A study on path and cycle based properties of graphs” funded by FRQNT’s Programme de recherche pour les enseignants de collège. Ben co-supervised a student from Université de Montréal this year. He also worked with two Dawson students in his research, Aaron Krim-Yee and Alexander Hassler. Alexander was awarded a \$5,000 bourse de stages d’été pour les étudiants de niveau collégial from FRQNT in summer 2016 to work with Ben on “Active cops and robbers with fixed capture points.” Ben also co-organized the Association mathématique du Québec Summer Camp at Dawson College. As part of his academic service, he reviewed articles for the American Mathematical Society’s *Mathematical Reviews* database. Ben is a member of the Centre de Recherches Mathématique at Université de Montréal.

#### Conference Presentations:

“Edge clique covers in graphs with independence number 2,” 4th Bordeaux Graph Workshop, Université de Bordeaux, France.

With P. Bose. “Introduction to graph colouring,” Association mathématique du Québec Summer Camp, Dawson College.

“Fully active cops and robbers,” 5th Graph Searching in Canada Workshop, Dalhousie University.

#### Workshops and Conferences Attended:

13th Workshop on Algorithms and Models for the Web Graph, Centre de recherches mathématiques, Montréal.

2016 Society for Industrial and Applied Mathematics Conference on Discrete Mathematics, Georgia State University.

**Kengatharam Thirulogasanthar** is continuing his research project, “Coherent states, frames, wavelets and orthogonal polynomials on quaternion Hilbert spaces,” funded through the FRQNT Programme de recherche pour les enseignants de collège. He received a grant of Euro £2500 from the National Group for Algebraic and Geometric Structures and their Applications of Italy (GNSAGA-INdAM) to support his research collaboration at Politecnico di Milano, Italy from March 2017-June 2017. He is currently supervising an M. Phil student at the University of Jaffna, Sri Lanka, and is also supervising two Dawson students and their projects. One M.Phil student under his co-supervision at U of Jaffna recently completed his thesis.

Publications:

K. Thirulogasanthar and S. Twareque Ali, “General construction of reproducing kernels on quaternionic Hilbert spaces,” (2017), accepted in *Rev. Math. Phys.*

A. Askari Hemmat, K. Thirulogasanthar, and A. Krzyzak, “Discretization of quaternionic continuous wavelet transforms,” *J. Geom. Phys.*, 117 (2017), 36-49.  
doi:10.1016/j.geomphys.2017.02.013.

M. Khokulan, K. Thirulogasanthar, and S. Srisatkunarajah, “Discrete frames on finite dimensional left quaternion Hilbert spaces,” *Axioms* Special Issue: “Wavelet and Frame Constructions with Applications” (2017) 6,3; doi:10.3390/axioms6010003

G. Honnouvo and K. Thirulogasanthar, “On the dimensions of oscillator-like algebras induced by orthogonal polynomials: non-symmetric case,” *Rep. Math. Phys.* 79 (2017),67-79.  
doi:10.1016/S0034-4877(17)30021-6.

B. Muraleetharan and K. Thirulogasanthar, “Coherent states on quaternion slices and a measurable field of Hilbert spaces,” *J. Geom. Phys.* 110 (2016), 233-247.  
doi:10.1016/j.geomphys.2016.08.006.

Nasser Saad and K. Thirulogasanthar, “Generalized 2D Laguerre polynomials and their quaternionic extensions,” *J. Comput. Appl. Math.* 308 (2016), 301-317.  
doi:10.1016/j.cam.2016.05.037.

Submitted articles:

with B. Muraleetharan, I. Sabadini. “A representation of Weyl-Heisenberg Lie algebra in the quaternionic setting.” (available at arXiv: 1704.02946) submitted to *Annals of Physics*.

with B. Muraleetharan. “Deficiency indices of some classes of unbounded H-operators” (available at arXiv: 1512.08662)

#### Conference Presentations:

K. Thirulogasanthar (Joint work with B. Muraleetharan), Coherent state quantization and the Heisenberg uncertainty principle in the quaternionic setting, Coherent states and their applications: A contemporary panorama, CIRM, Marseille, France, November 14-18, 2016.

#### Research Collaborative Visits:

Visiting Scholar, Research collaboration with B. Muraleetharan. Department of Math. and Stat., University of Jaffna, Sri Lanka, July 2016-Aug. 2016.

Visiting Scholar, Research collaboration with Prof. Irene Sabadini. Department of Mathematics, Politecnico di Milano, Italy, March 2017-June 2017.

## CHEMISTRY

**Yann Brouillette** continued the theme of his previous years' presentations at the 43rd annual College Chemistry Canada (C3) conference in Saskatoon, Saskatchewan, from June 9th - 11th 2016. His presentation, titled "Comic Book Chemistry Part Six: Extracting Super," focused on chemical evidence used to analyze certain super powers, innovative armors and marvelous abilities described in comic book universes.

## PHYSICS

**Jonathon Sumner** completed his FRQNT funded research project this year, titled "Simulation des écoulements atmosphériques dans un parc éolien afin d'évaluer sa performance et maximiser son rendement." The goal of his research is to improve wind flow modelling to decrease the financial risk associated with wind energy development. Currently, the primary challenges for modelling the wind near the earth's surface are accounting for the effects of temperature and forested regions. He proposed a new turbulence model that is capable of exactly reproducing temperature effects for idealized cases and will be testing its conceptualization through a new collaboration with the University Tecnológico de Monterrey. He also completed an applied research project with Frontier Power Systems to develop efficient wind turbines. Jon offered a summer internship to a graduating Science student from Dawson who completed a project on elliptical mesh generation. He supervised a Master's student at ETS who will defend her thesis this summer. She will also submit a co-authored paper to the American Society of Mechanical Engineers in the coming weeks on "Evaluating the accuracy of RANS wind flow modeling and its impact on capacity factor for moderately complex forested terrain."

#### Publications:

S.-P. Breton, J. Sumner, J. N. Sørensen, K. S. Hansen, S. Sarmast, S. Ivanell. "A survey of modelling methods for high-fidelity wind farm simulations using large eddy simulation," *Philosophical Transactions A of the Royal Society*. 2017 375 DOI: 10.1098/rsta.2016.0097

Submitted article:

J. Sumner, "A seamless formulation of the  $k$ - $\epsilon$  turbulence model for simulation of the thermally stratified atmospheric surface layer" Submitted to *Boundary-Layer Meteorology*.

Invited Presentation:

J. Sumner and V. Morales. "Improvements in wind resource assessment for the Quebec market" FRQNT Journée de la recherche, École de technologie supérieure, Montréal, April 10, 2017.

**Manuel Toharia Zapata** continued working on his research project, "Higgs phenomenology in warped extra dimensions," supported through the FRQNT Programme de recherche pour les enseignants de collège. He formed the Dawson High Energy Particle Physics group in June 2016 to involve students in particle physics research, (<https://mtzhep.wordpress.com/>). In summer 2016, he mentored two summer interns, Jon Boretsky and Sam Fisher and they submitted a co-authored article together to the Dawson Research Journal of Experimental Science (DrJes) in September 2016. Manuel is also a peer reviewer for the American Physics Society journals, *Physical Review D (particles and fields)* and *Physical Review Letters*.

Publications:

A.Diaz-Furlong, M.Frank, N.Pourtolami, M.Toharia and R.Xoxocotzi, "Flavor-changing decays of the top quark in 5D warped models," *Phys.Rev. D*94, no.3, 036001 (2016)

M.Frank, N.Pourtolami and M.Toharia, "Bulk Higgs with a heavy diphoton signal," *Phys.Rev. D*95, no.3, 036007 (2017)

Articles submitted for peer review:

G.Couture, M.Frank, C.Hamzaoui, M.Toharia. "Top and Bottom Mirrors in the Brane Higgs limit", Submitted to *Phys.Rev.D*

Presentations:

"Precision Higgs measurements and extra dimensions at the LHC". Colloquium presented at the Physics Department, Concordia University, September 30, 2016.

Student articles:

Jon Boretsky, Sam Fisher and Manuel Toharia, "Using LHC Higgs Data to Constrain the Radion Gravitational of Warped Extra Dimensions," Submitted to *Dawson Research Journal of Experimental Science (DrJes)* September 2016

## GEOLOGY

**Richard Soare** works on planetary geology, using high-resolution satellite imagery to determine the effect of ice and water on the Martian landscape. He is the Mars ground-ice specialist on an eight-member Canadian science-team funded by the Canadian Space Agency to study the feasibility of this mapping mission. The Mars 2022 Orbiter is a proposed NASA Mars communication satellite set to fly in 2022. One of its main aims is to map the possible presence of sub-surface ice by means of a high-resolution (and Canadian-built) ground-penetrating radar.

### Publications:

Williams, J-P., Dohm, J.M., Soare, R.J., Flahaut, J., Lopes, R., Pathare, A., Fairen, A., Schulze-Makuch, D., and Buczkowski, D.L. (2017). Long-lived volcanism within the Argyre Basin, Mars. *Icarus* 293, 8-26, dx.doi.org/10.1016/j.icarus.2017.04.001.

Soare, R.J., Conway, S.J., Gallagher, C., and Dohm, J.M. (2017a). Ice-rich (periglacial) vs icy (glacial) depressions in the Argyre region, Mars: a proposed cold-climate dichotomy of landforms. *Icarus*, 282, 70-83, doi:10.1016/j.icarus.2016.09.009.

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, doi:10.1089/ast.2015.1396.

Soare, R.J., Conway, S.J., Gallagher, C., and Dohm, J.M. (2016). Sorted polygons in Argyre Planitia, Mars: possible evidence of pre- and post-mantle periglacialism in the very late Amazonian Epoch. *Icarus* 264, 184-197, doi.10.1016/j.icarus.2015.09.019.

Brooker, L.M., Balme, M.R., Conway, S.J., Haagermann, A., Barrett, A., Collins, G.S., and Soare, R.J., (2017). Clastic polygonal networks around Lyot Crater, Mars: possible formation mechanisms from morphometric analysis (*Icarus*, in review).

Williams, J-P., Soare, R.J., and Dohm, J.M. (2017). Volcanic disruption of recent icy terrain in the Argyre Basin, Mars (*Dynamic Mars, Elsevier*, in review).

Soare, R.J., Conway, S.J., Gallagher, C., Williams, J-P., and Osinski, G.R. (2017c). Paleo-periglacial “ice-rich” complexes in Utopia Planitia (*Dynamic Mars, Elsevier*, in review).

Conway, S.J., Harrison, T.N., Soare, R.J., Britton, A., and Steele L. (2017). Re-analysis of global data on orientation and slope of gullies on Mars (*GSL*, 2nd round review).

Soare, R.J., Conway, S.J., Gallagher, C.J., Dohm, J.M. and Reiss, D. (2017b). Periglacial “ice” complexes and the deductive evidence of possible “wet”-flows at the Hale Crater, Mars (*GSL*, accepted).

#### Refereed conference presentations:

Soare, R.J., Conway, S.J., Gallagher, C.J., Dohm, J.M., Clifford, S.M. and Williams, J-P., (2016). Periglacial complexes in Utopia Planitia: rimless, tiered depressions, (clastically) sorted and unsorted polygonised terrain and an ice-rich mantle. DPS/EPSC, Pasadena, California.

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. 2<sup>nd</sup> International Workshop on Mars Gullies. London, England.

#### Conference Abstracts:

Williams, J-P., Dohm, J.M., Soare, R.J., Flahaut, J., Lopes, R.M.C., Pathare, A.V., Fairen, A.G., Schulze-Makuch, D., Buczkowski, D.L. (2017) Argyre Mons and other volcanic features within Argyre Basin, Mars. LPSC XXXXVIII, Houston, Texas. Abstract # 2682.

Soare, R.J., Conway, S.J., Gallagher, C.J., Dohm, J.M., Williams, and J-P., Clifford, S.M. (2017). Pre- and post-periglacial periglaciation in Utopia Planitia, Mars., LPSC XXXXVIII, Houston. Texas. Abstract # 1473.

Conway, S.J., Harrison, T.N., Lewis, S.R., Soare, R.J., Balme., M.R., and Britton, A. (2016). Martian gully orientation and slope used to test meltwater and carbon dioxide hypotheses. *LPSC XXXXVII*, Houston, Texas. Abstract.

Harrison, T.N., Pontefract, A.J., Osinski, G.R., Tornabene, L.L., Battler, M., Carr, C.E., Conway, S.J, and Soare, R.J. (2016). Hydrogeological constraints on gully formation and the effects on microbial colonization. *LPSC XXXXVII*, Houston, Texas.

Soare, R.J., Conway, S.J., Gallagher, C.J. and Dohm, J.M. (2016). “Ice-rich” (periglacial) and “icy” (glacial) depressions in the Argyre region, Mars. *LPSC XXXXVII*, Houston, Texas. Abstract # 1175.

Soare, R.J., Conway, S.J., Gallagher, C.J., and Dohm, J.M. (2016). Periglacial “ice” complexes in the Hale Crater, Mars, and the stratigraphy of melt-water activity at or near the crater-rim surface. GSA, Denver, Colorado.

## COMPUTER SCIENCE

**Maja Frydrychowicz** has contributed open source software to Mozilla. In particular, she has worked on parts of [the W3C WebDriver standard](#), which defines a cross-browser, cross-platform protocol for browser automation. She has also contributed to Mozilla's continuous integration

infrastructure to reduce build times and improve the accuracy of test results. Her code contributions for 2016-2017 are itemized in search queries on Mozilla's issue tracker, [Bugzilla](#), as well as on [Github](#), which also shows contributions to related projects such as WebDriver and Web Platform Tests.

## HEALTH SCIENCES

**Hélène Nadeau** received a two-year FRQS grant in 2016 from the Programme d'appui à la recherche pour les enseignants-chercheurs de collèges for the project : « Étude comparative des circuits neuronaux entre aveugles précoces, aveugles tardifs et voyants à l'aide d'IRM de structure et de diffusion ». She is working in the group of Dr. Franco Lepore, in the Department of Psychology at the Université de Montréal.

She has been coordinating the Brain Imaging Research Group. In the summer of 2016, 24 students participated in a Group Internship. They met twice a week as a large group for the whole summer. In addition, they participated in pairs in research projects led by partners from McGill University, the Université de Montréal and the Douglas Mental Health Institute, or designed their own projects at Dawson under faculty supervision. They gave multiple presentations for the group: two presentations in Psychology classes, a First Choice Science seminar, a week-long poster session for the Dawson community, participated in Open House, wrote DrJes papers, produced several CE projects, gave a poster at ACFAS 2017, and will present posters at Science Fest. She worked with three students on research projects during the school year.

She collaborated with Dawson faculty Maria Dikeakos (Physics) and Silvia d'Apollonia (Biology, emerita) to introduce the internship to colleagues from different departments at Ped Day 2016. Lastly, she was a member of the selection committee for the FRQS Programme d'appui à la recherche pour les enseignants-chercheurs de collèges in March 2017.

Conference presentations:

In May 2016, she gave an oral presentation: "Dynamique d'un groupe de cégépiens expérimentant la recherche multidisciplinaire" in the colloquium: "Performances, défis et questionnements sur l'intégration des étudiants dans la recherche au collégial", Congrès de l'ACFAS 2016. As a follow-up, she and a few participants from the colloquium extended their reflection to a broader Canadian community and led a workshop at the *CICan 2017* Conference on the integration of college students in research projects on May 1<sup>st</sup>, 2017 in Ottawa. She is also planning to give an oral presentation at the Saltise 2017 conference on a related topic.

## PHYSIOTHERAPY

**Sharon Clegg** has been working with the Tekphy team on a project titled "Technologies intelligentes en kinésiologie et en techniques de réadaptation physique." It is a collaboration between the department of Kinesiology at Université de Montréal and the Physiotherapy programs at Cégep Marie-Victorin and Dawson College. In the past year, the team has created

software for the Wii Balance Board and the Kinect sensor to provide assessment tools and games. These provide health professionals and trainers with an objective measure of a client's balance and fitness level.

In order to disseminate the knowledge and software for free to the public, the team created and filmed scenarios and content for their MOOCs (Massive Open Online Courses) hosted by the Edulib platform at Université de Montréal. They have also created assessment tools (quizzes and test questions) so the

MOOC can serve as Continuing Education for a variety of professions such as physiotherapists, physiotherapy technologists, kinesiologists, athletic therapists, and occupational therapists. The Tekphy team



also presented a Webinar on the use of gaming technology in rehabilitation services on March 22, 2017. Dawson students have benefited from the opportunity to get hands-on experience working in the field each semester through internships with the Tekphy team.

**Vanessa Gangai** received a grant from the McGill Training and Retention of Health Professional Project and completed the project, “On the Move: Increasing Physio services to St. Anne’s Hospital.”

# PEDAGOGICAL RESEARCH

**Elizabeth Charles** and her colleagues continued working on two projects this year, one funded by SSHRC (CCSIF), and the other funded by PAREA. The SSHRC project is “Leveraging new paradigms and disruptive technologies to successfully orchestrate pedagogical change” and includes as co-applicants: Rob Cassidy (formerly of Dawson), Nathaniel Lasry (John Abbott), Kevin Lenton (Vanier), Bruno Poellhuber (UdM), and James D. Slotta (UofT, OISE).

She and her team also completed the last year of their PAREA-funded project on active learning classrooms, “Ecosystème Pédagogique et Artéfacts Épistémiques.” Globally, this project looked at how students learn in active learning (AL) classrooms as it relates to their engagement in instructional activities. Specifically, they define this engagement as the activity leading to the production of knowledge objects, what they consider as epistemic artifacts. The results of these case studies show that AL classroom design can have an impact on the level of student engagement. In particular, the technologies used for the shared writable surfaces can impact the quantity of students who actively contribute and the quality of their engagement. In rooms with digital interactive whiteboards, more students engage with the artifact than in analog whiteboards.

Liz and her colleagues, Chris Whittaker (Physics), Nathaniel Lasry and Michael Dugdale from John Abbott and Kevin Lenton from Vanier, as well as other collaborators from English and French educational institutions continued their work in Supporting Active Learning and Technological Innovation in Studies of Education (SALTISE) consortium, including organizing their annual conference. SALTISE is a community of practice centered on ideas of pedagogical change involving innovations in instruction and leveraging the use of educational technology to promote learning.

Grants Awarded 2017:

SSHRC Connection Grant, “Fostering a knowledge community: co-constructing and leveraging a digital platform for STEM education.” PI: Alain Breuleux, Co-Applicants: Elizabeth S. Charles and Rob Cassidy.

Publications:

Lasry, N., Charles, E., & Whittaker, C. (2016). Effective variations of peer instruction: The effects of peer discussions, committing to an answer, and reaching a consensus. *American Journal of Physics*, 84(8), 639-645.

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.

Conferences organized:

SALTISE Conference 2016 & 2017

Conference presentations:

Charles, E., Whittaker, C., & Lenton, K. (June 2016). Designing Active Learning Spaces to Foster Collaboration. Presented at the symposium : “Future Learning Spaces for Learning Communities: New Directions and Conceptual Frameworks”, co-organizers Yotam Hod & Elizabeth Charles. Looi, C. K., Polman, J. L., Cress, U., and Reimann, P. (Eds.). (2016). *Transforming Learning, Empowering Learners: The International Conference of the Learning Sciences (ICLS) 2016*, Volume 2. Singapore: International Society of the Learning Sciences, pp. 1063-1070.

Charles, E., Lenton, K., Whittaker, C. & Zhang, C. (June 2016). *Design and Orchestration: How to implement active learning and promote collaboration*. Paper presented at 2016 Society for Teaching and Learning in Higher Education (STLHE) conference, London, Ontario, Canada.  
Charles, E., Whittaker, C., & Lenton, K. (June, 2016). *Orchestrating without music: What's involved in making active learning work*. Paper presented at 34th annual AQPC symposium: Quebec City, QC.

Charles, E., & Lasry, N. (May, 2016). *Plateformes numériques en support à la collaboration dans le recherche en mode codesign (RECODE)*”. Symposium entitled : “PÉRISCOPE : méthodologies dérivées de perspectives socioculturelles pour composer avec les enjeux de la recherche en partenariat.” Presented at the 84th annual Acfas conference.

Workshops:

Design-Based Implementation Research in Research-Practice Partnerships, Organizers : 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). Looi, C. K., Polman, J. L., Cress, U., and Reimann, P. (Eds.). (2016). *Transforming Learning, Empowering Learners: The International Conference of the Learning Sciences (ICLS) 2016*, Volume 2. Singapore: International Society of the Learning Sciences.

**Laure Galipeau, Catherine Soleil (French) and Effie Konstantinopoulos (SAAC)** are continuing their PAREA-funded project to study the effects of Universal Design for Learning (UDL) concepts on students in French as a second language courses. The preliminary results will be presented at the annual conference of l'Association Québécoise de Pédagogie Collégiale, (AQPC) in Montreal in June 2017. The final report on their research will be available in

December 2017. Since winter 2016, the team has also been invited to present workshops on their research on pedagogical application of UDL model by a number of colleges in the network.

#### Presentations:

Catherine Soleil, Laure Galipeau, Effie Konstantinopoulos, UDL@Dawson, « De l'intégration à l'inclusion », Cégep de Victoriaville, Victoriaville, 28 avril 2017.

Laure Galipeau, Catherine Soleil, accompagnement pédagogique d'un groupe de professeurs d'anglais langue seconde, rencontres virtuelles par Skype, Cégep de Victoriaville, Montréal, 3 et 17 février 2017.

Effie Konstantinopoulos, Laure Galipeau, Catherine Soleil, « La variabilité est la norme! Repenser notre enseignement », Cégep de Drummondville, Drummondville, 17 janvier 2017.

Catherine Soleil, Laure Galipeau, Effie Konstantinopoulos, « La CUA n'est pas une utopie », Collège St-Jean-sur-Richelieu, St-Jean-sur-Richelieu, 11 novembre 2016.

Catherine Soleil, Laure Galipeau, Effie Konstantinopoulos, « La variabilité est la norme! Repenser notre enseignement », Collège St-Jean-sur-Richelieu, St-Jean-sur-Richelieu, 28 octobre 2016.

Laure Galipeau, Effie Konstantinopoulos, "Teaching Nowadays", RASCALS Colloquium 2016, Lévis, 6 juin 2016.

Effie Konstantinopoulos, Laure Galipeau, Keynote Speaker, RASCALS Colloquium 2016, Lévis, 6 juin 2016.

Catherine Soleil, Laure Galipeau, Effie Konstantinopoulos, Guest Speakers, "Teaching Nowadays" Collège Champlain St-Lawrence, Québec, 21 avril 2016.

Laure Galipeau, Effie Konstantinopoulos, Catherine Soleil, « Récit de pratique sur la CUA auprès des professeurs d'anglais langue seconde, » Collège Montmorency, Laval, 15 mars 2016.

#### **Susan Briscoe and Michelle Smith**

Susan Briscoe, Michelle Smith and their team received a Community and College Social Innovation Fund grant from SSHRC in 2016. Developed and led by English Faculty and First Peoples Initiative Steering Committee Member Susan Briscoe, their three-year project aims to advance a new conversation about postsecondary educational opportunities for First Peoples in Quebec. It takes a community-based participatory research approach to investigate the complex interplay of family, community, and postsecondary institutions on student access to, and success, in postsecondary education. Through storytelling exchanges, participants contribute to the creation of more responsive programs and services for Indigenous students at the post-secondary level. In the past year, the research team has set up Community Advisory Boards with several indigenous communities in Quebec and organized several Talking Circles with research

participants. Three members of the research team and a Concordia student will be presenting their research at the World Indigenous Peoples Conference on Education (WIPCE) in Toronto from July 24 – 28, 2017. Unfortunately, due to terminal illness, Susan had to step down as Project Director at the end of the academic year, and Michelle Smith has taken up the position. The research team is grateful for Susan’s foresight and commitment to Indigenous education. Without her dedication, energy and leadership, this project could not have begun.

**Tanya Chichekian** received two grants from SSHRC in 2016, a Postdoctoral Fellowship (2016-2018) in the Positive Psychology of Education, held in the Research Laboratory on Social Behavior at UQAM, and Insight Development Grant (2016-2018), titled “Challenges associated with the academic success of Aboriginal students in postsecondary education.”

Publications:

Chichekian, T., & Shore, B. M. (2017). “Challenges to conducting a longitudinal study with classroom observations of teachers’ first year of professional practice.” In B. Flett (Ed.), *Sage research methods cases*. London, England: Sage.

**Sameer Bhatnagar** continued work on the PAREA-funded project, “Persévérance et réussite scolaire par le forage de données d’éducation” with co-applicant Nathaniel Lasry from John Abbott College. Their project uses Big Data to assess student success and to identify students at risk.

**Carlo Catino and James Roberts**, both teachers in the Department of Economics, developed original software in the winter 2017 semester to help students at risk and students with disabilities to achieve better competencies in Quantitative Methods. The software is based on universal design and involves a variety of interactive tests and activities.

**Ian Duncan Mackenzie** co-authored a paper on Writing Across Disciplines with colleagues, which was presented at a conference.

Co-author, with Susanmarie Harrington and Dan DeSanto of the University of Vermont, of "Traversing Uncommon Ground: Cases in WID Consulting," delivered at the International Writing Across the Curriculum Conference at the University of Michigan in Ann Arbor in June 2016.

## **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.

The team has just completed a three year FRQSC grant on information and communication technologies (student perspectives versus exemplary-teacher practices) as well as a major update of their Free and Inexpensive Adaptive Technology Database, which now includes Windows 10, Apple and Android built-in features and apps. They currently hold an international network grant on disabilities, information and communication technologies, and postsecondary education (ED-ICT: Disabled Students, ICT, Post-Compulsory Education & Employment: In Search of New Solutions), and they will be hosting an international conference at Dawson College, in collaboration with Cégep André-Laurendeau in May 2017. Key issues to address include stakeholder perspectives. In addition, they continue to present and publish on their findings. The Adaptech team participated in 9 talks, interviews and invited addresses this year, in addition to conference presentations.

Grants held in 2016-2017:

SSHRC Connection Grant, 2017

New perspectives: Role of stakeholder groups in ensuring accessibility of ICTS to postsecondary students with disabilities

Awarded to Fichten, C., King, L., & Havel, A. in collaboration with Seale, J., Fisseler, B., Heiman, T., & Burgstahler, S.

Dawson College, 2017

Support Academic Success of Students With Particular Needs, Including Students With Disabilities (S024)

The myth and reality of PowerPoint notes online

Awarded to C. Fichten

The Leverhulme Trust International Network Grant, 2016-2019

Disabled students, ICT, post-compulsory education & employment: in search of new solutions

Awarded to Seale, J., Fichten, C., Heiman, T., Fissler, B., & Burgstahel, S.

Centre for the Study of Learning and Performance (CSLP), 2016-2017  
Integrating Language Learning Within and Beyond the Classroom Walls  
Awarded to Collins, L., Waddington, D., King, L., & Cardoso, W.

Service Canada, 2016  
Labour Market and Social Development Program  
Awarded to Fichten, C.S.

Provincial Interlevel Table for the English Sector (TPSA), 2015-2016  
Adaptech Research Network's Free and/or Inexpensive Assistive Technology Database  
Awarded to Fichten, C.

Fonds de recherche du Québec - Société et culture (FRQSC) et le ministère de l'Éducation, du  
Loisir et du Sport (MELS), 2014--2020  
Centre d'études sur l'apprentissage et la performance (CEAP)  
Awarded to Abrami, P., Waddington, D.I., Fichten, C.S., et al.,

Fonds de recherche du Québec - Société et culture (FRQSC) et le ministère de l'Éducation, du  
Loisir et du Sport (MELS), 2013-2017  
Les perspectives des étudiants et des professeurs sur l'excellence dans l'utilisation des TIC et du  
cyberapprentissage au collégial  
Awarded to Fichten, C., King, L., Amsel, R., & Vaikla-Poldma, T. and collaborators Asuncion,  
J., Cassidy, R., Havel, A., Heiman, T., Hewlett, M., Jorgensen, S., Moon, R., Raymond, O.,  
Scapin, R., Sparks, J., Thomson, R., Tremblay, M., Wileman, S.

Fonds de recherche du Québec – Nature et technologies (FRQ-NT), 2013-2016  
Volet B - Projet de recherche, Mesure objective de l'attention et de la somnolence au Volant  
Awarded to Fichten, C.S.

#### Honours/Prizes

Catherine Fichten: Association francophone pour le savoir- ACFAS 2016, Prix Denise-Barbeau

Evelyne Marcil: Association pour la recherche au collégial – ARC, Prize for best title for a  
poster, 2016

Laura King: Association québécoise de pédagogie collégiale – AQPC, Mention d'honneur de  
l'Association québécoise de pédagogie collégiale, 2016  
Cégep André-Laurendeau, Staff Recognition Award, 2016

Catherine Fichten: Appointed to the Advisory Board of the National Center for College Students  
with Disabilities (NCCSD) at AHEAD in the United States, 2016-2017

Publications:

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

Jorgensen, M., Havel, A., Fichten, C., King, L., Marcil, E., Lussier, A. Budd, J., & Vitouchanskaia, C. (2017). "Simply the best": Professors nominated by students for their exemplary technology practices in teaching. *Education and Information Technology*. Advance online publication. doi:10.1007/s10639-017-9594-1

Labbé, D., Poldma, T., Fichten, C., Havel, A., Kehayia, E., Mazer, B., McKinley, P., Rochette, A., & Swaine, B. (2017). Rehabilitation in the real-life environment of a shopping mall. *Disability and Rehabilitation*. Advance online publication. doi:10.1080/09638288.2016.1277394

Fichten, C., Amsel, R., Jorgensen, M., Nguyen, M. N., Budd, J., Havel, A., King, L., Jorgensen, S., & Asuncion, J. (2016). Theory of Planned Behavior: Sensitivity and specificity in predicting graduation and drop-out among college and university students? *International Journal of Learning, Teaching and Educational Research*, 15(7), 38-52.

Fichten, C. S., Heiman, T., Havel, A., Jorgensen, M., Budd, J., & King, L. (2016). Sustainability of disability-related services in Canada and Israel: Will the real universal design please stand up? *Exceptionality Education International*, 26(1), 19-35.

Fichten, C. S., Havel, A., King, L., Jorgensen, M., Budd, J., Asuncion, J., Nguyen, M. N., Amsel, R., & Marcil, E. (2017). Are you in or out? Students who register for disability-related services in junior/community colleges versus those who do not. Manuscript submitted for publication.

Heiman, T., Fichten, C. S., Olenik-Shemesh, D., Keshet, N., & Jorgensen, M. (2017). Accessibility and perceived ICT usability among students with disabilities attending higher education in Canada and Israel. Manuscript submitted for publication.

Jorgensen, M., Budd, J., Fichten, C. S., Nguyen, M. N., & Havel, A. (2017). Graduation and grades of college students with learning or mental health related disabilities. Manuscript submitted for publication.

Fichten, C., Jorgensen, M., Asuncion, J., Havel, A., King, L., Budd, J., Nguyen, M. N., & Amsel, R. (2017). Mind the gap in instructional uses of information and communication technologies: A comparison of Canadian college students and "excellent professors". Manuscript revised and resubmitted.

Marcil, E., King, L., Havel, A., Fichten, C. S., Jorgensen, M., & Budd, J. (2016). "Give me a job, give me security, give me a chance to survive:" A preliminary study of employment among postsecondary graduates with disabilities. Manuscript revised and resubmitted.

#### Refereed Conference Presentations:

King, L., & Jorgensen, M. in collaboration with Fichten, C. S., Havel, A., Budd, J., Lussier, A., Vo, C., Vitouchanskaia, C., Asuncion, J., Nguyen, M. N., Chauvin, A., Marcil, E., & Schaffer, L. “Data driven instructional design: Higher learning student and professor voices”. Presentation at the 19th Annual Accessing Higher Ground: Accessible Media, Web & Technology Conference, Westminster, Colorado, November 2016.

Budd, J., & Havel, A. in collaboration with Fichten, C. S., King, L., Vo, C., Chauvin, A., Lussier, A., Marcil, E., Vitouchanskaia, C., & Asuncion, J. “There’s an App for that! All about Adaptech’s Free and/or Inexpensive Technology Database.” Presentation at the 19th Annual Accessing Higher Ground: Accessible Media, Web & Technology Conference, Westminster, Colorado, November 2016.

King, L., Lussier, A., Havel, A., Fichten, C., Jorgensen, M., Budd, J., & Marcil, E. « Joindre l’utile à l’agréable : l’utilisation des résultats de recherche afin d’enrichir l’enseignement au collégial. » Presentation at the 5th Annual Supporting Active Learning and Technological Innovation in the Studies of Education (SALTISE) Conference, Montreal, Québec, June 2016.

Marcil, E., Fichten, C.S., King, L., & Havel, A. “Do’s and don’ts of PowerPoints: Universal design perspective.” Presentation at the 5th Annual Supporting Active Learning and Technological Innovation in the Studies of Education (SALTISE) Conference, Montreal, Québec, June 2016.

Jorgensen, M., & Havel, A., in collaboration with Fichten, C., King, L., Budd, J., Lussier, A., Vo, C., Vitouchanskaia, C., Asuncion, J., Nguyen, M. N., Chauvin, A., Marcil, E., & Schaffer, L. “Doing ordinary things extraordinarily well: Faculty perspectives on excellence in ICT and e-learning use in colleges.” Presentation at the 5th Annual Supporting Active Learning and Technological Innovation in the Studies of Education (SALTISE) Conference, Montreal, Québec, June 2016.

Budd, J., Fichten, C., Marcil, E., Vo, C., Lussier, A., Havel, A., King, L., Vitouchanskaia, C., Jorgensen, M., Asuncion, J., & Chauvin, A. “When free and inexpensive doesn’t mean “cheap”: Adaptech Research Network’s Free and/or Inexpensive Technology Database.” Presentation at the 5th Annual Supporting Active Learning and Technological Innovation in the Studies of Education (SALTISE) Conference, Montreal, Québec, June 2016.

King, L., Lussier, A., Jorgensen, M., Fichten, C., Marcil, E., Havel, Vitouchanskaia, C., Budd, J., & Schaffer, L. « La technologie au service de l’enseignement : évoluer au sein d’une culture complexe. » Presentation at the 36e colloque de l’Association québécoise de pédagogie collégiale (AQPC), Québec, Québec, June 2016.

Marcil, E., in collaboration with King, L., Havel, A., Fichten, C., Jorgensen, M., Asuncion, J., Budd, J., Schaffer, L., Lussier, A., Vo, C., & Vitouchanskaia, C. “Keeping up with employment: Perspective of recent post-secondary graduates with disabilities.” Presentation at the 18th Rehabilitation Research Colloquium, McGill University, Montréal, Québec, May 2016.

Marcil, E., in collaboration with King, L., Havel, A., Fichten, C., Jorgensen, M., Asuncion, J., Budd, J., Schaffer, S., Lussier, A., Vo, C., & Vitouchanskaia, C. « La guerre des conseils: Le réveil de l'emploi. » Presentation at the 84e Congrès de l'Association francophone pour le savoir – Acfas, Montréal, Québec, May 2016.

Jorgensen, M., in collaboration with Fichten, C., Havel, A., King, L., Budd, J., Lussier, A., Vo, C., Vitouchanskaia, C., Nguyen, M. N., Chauvin, A., Asuncion, J., & Lesage, G. (2016, May). « Les étudiants en situation de handicap au niveau postsecondaire: quels sont leurs besoins, comment se situent-ils au niveau des études? » Presentation at the 84e Congrès de l'Acfas, Montréal, Québec, May 2016.

Marcil, E., King, L., Havel, A., Fichten, C. S., Jorgensen, M., Asuncion, J., Budd, J., Schaffer, L., Lussier, A., Vo., C., & Vitouchanskaia, C. « Dans les mots de Dédé Fortin : « Bonyeu donne moé une job ». Presentation at Association pour la recherche au collégial - ARC, dans le cadre du 84e Congrès de l'Acfas, Montréal, Québec, May 2016.

King, L., Lussier, A., Havel, A., Fichten, C., Jorgensen, M., Budd, J., & Marcil, E. « 50 nuances de la recherche en enseignement : au service de la création d'un manuel de codage. » Presentation at Association pour la recherche au collégial - ARC, dans le cadre du 84e Congrès de l'Acfas, Montréal, Québec, May 2016.

Fichten, C., Nguyen, M. N., Jorgensen, M., Budd, J., Lesage, G., & Amsel, R. « La théorie du comportement planifié prédit-elle la réussite et l'abandon scolaires chez les étudiants en situation de handicap? » Presentation at Association pour la recherche au collégial - ARC, dans le cadre du 84e Congrès de l'Acfas, Montréal, Québec, May 2016.

Jorgensen, M., Fichten, C. S., Budd, J., King, L., Havel, A., Marcil, E., Lussier, A., Vo, C., Nguyen, M. N., Asuncion, J., Vitouchanskaia, C., Chauvin, A., Schaffer, L., Raymond, O., Lesage, G., Amsel, R., & Poldma, T. « Les deux côtés de la médaille : la perception des élèves de l'usage que font leurs enseignantes et enseignants des technologies de l'information et de la communication (TIC). » Presentation at Association pour la recherche au collégial - ARC, dans le cadre du 84e Congrès de l'Acfas, Montréal, Québec, May 2016.

Heiman, T., Fichten, C. S., Olenik-Shemesh, D., Kaspi-Tsahor, D., King, L., Jorgensen, M., Budd, J., Havel, A., Asuncion, J., & Nguyen, M. N. "Use of ICTs in Canadian and Israeli higher education: Views of students with and without disabilities." Presentation at the 15th Jerusalem Conference in Canadian Studies, Jerusalem, Israel, May 2016.

Poldma, T., Kehayia, E., Swaine, B., Labbé, D., Ahmed, S., Le Dorze, G., Shikako-Thomas, K., Kairy, D., Mazer, B., Fichten, C., Fung, J., Lamontagne, A., Archambault, P., Ehsan, A., De Repentigny Roberge, G., & Herbane, H. "Innovation ouverte et le laboratoire vivant RehabMALL." Presentation at the 84e Congrès de l'Acfas, Montréal, Québec, May 2016.

Fichten, C. S., Heiman, T., Nguyen, M. N., Amsel, R., & Olenik-Shemesh, D. "Theory of Planned Behavior predicts graduation intentions of college and university students with and

without learning disabilities/attention deficit hyperactivity disorder in Canada and Israel.”  
Presentation at ICAP 2016: 18th International Conference on Applied Psychology, Tokyo, Japan,  
May 2016.

#### Popular Press Articles:

Havel, A., & King, L. (2017). Almost everything you wanted to know about psychoeducational assessments. *Montreal Centre for Learning Disabilities Newsletter*. February 2017.

Thomson, R., Fichten, C., Havel, A., Budd, J., & Asuncion, J. (2017). Tips for using UD and ICTs to create inclusive learning. *Newsroom - Dawson College*. February 2017.

Fichten, C., King, L., Budd, J., Havel, A., Marcil, E., Vo, C., & Jorgensen, M. (2016). Hidden treasures: Free and inexpensive information and communication technologies for college students. *Profweb*. June 7, 2016.

Fichten, C., King, L., Budd, J., Havel, A., Marcil, E., Vo, C., & Jorgensen, M. (2016). Trésors cachés : des TIC gratuites ou peu coûteuses pour les étudiants du collégial. *Profweb*. June 7, 2016.

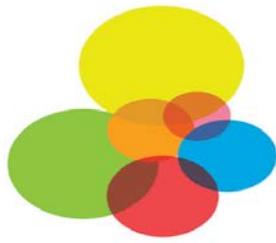
Marcil, E., King, L., Havel, A., Fichten, C., & Jorgensen, M. (2017). Work it out: Employment and postsecondary graduates with disabilities. *Communiqué*, 17(2), 22-23.

Marcil, E. (2016). Adaptech Research Network: Information and communication technologies (ICTs). *Independent Living - Montréal*. May 4, 2016.

Marcil, E. (2016). Réseau de recherche Adaptech: Technologies de l'information et des communications. *Vie autonome – Montréal*. May 4, 2016.

Vo, C., Marcil, E., Jorgensen, M., & Fichten, C. S. (2016). Registering for access services in college: A focus on immigrant students with disabilities. *Inspirations*, 8(2), 30.

Marcil, E., King, L., Havel, A., Fichten, C., & Jorgensen, M. (2017). Au travail: Une étude exploratoire de l'emploi chez les diplômés postsecondaires en situation de handicap / Let's get to work: An exploratory study of employment among postsecondary graduates with disabilities. Submitted for publication.



# CRISPESH

Centre de recherche pour l'inclusion scolaire  
et professionnelle des étudiants  
en situation de handicap

## **CRISPESH**

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'Économie, 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 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 Géant, Association Québécoise pour la réadaptation psychosociale, English Montreal School Board, Association Québécoise interuniversitaire des conseillers aux étudiants en situation d'handicap, Action main-d'oeuvre, Association Québécoise des étudiants ayant des incapacités au post-secondaire.

The CRISPESH team has completed or is completing the following projects in 2016-2017:

Formation par simulation en santé mentale

Programme : Passeport Innovation

Organisme subventionnaire : Ministère de l'Économie, de la Science et de l'Innovation

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 oeuvrant en région éloignée au sein d'une communauté inuit.

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

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

Objectif : Favoriser la participation sociale des étudiants en situation de handicap du collégial en utilisant la photographie comme moyen d'expression de leur perspective sur leur expérience au sein de la communauté des cégeps.

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 et de l'enseignement supérieur

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.

Soutenir l'employeur dans l'inclusion professionnelle des personnes vivant avec une déficience intellectuelle ou un trouble du spectre de l'autisme

Programme : Programme d'aide à la recherche et au transfert – Volet sociale

Organisme subventionnaire : Ministère de l'Éducation et de l'enseignement supérieur

Partenaire(s) : Centre intégré de santé et de services sociaux de la Montérégie-Ouest (CISSMO)

Objectif : Développer de bonnes pratiques de préparation et de soutien aux employeurs vers une gestion plus inclusive des personnes vivant avec une DI ou un TSA dans les milieux de travail.

Améliorer les conditions de sommeil de l'enfant vivant avec un trouble du spectre de l'autisme grâce à un design réfléchi et personnalisé de sa chambre

Programme : Programme d'aide à la recherche et au transfert – Volet sociale

Organisme subventionnaire : Ministère de l'Éducation et de l'enseignement supérieur

Objectif : développer un cadre général, adaptable aux besoins individuels, d'aménagement de chambre pour enfants (2 à 12 ans) vivant avec un TSA qui se base sur les perceptions sensorielles.

Ongoing project:

Incubateur d'entreprises inclusif destiné aux autochtones

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

Organisme subventionnaire : Conseil de recherches en sciences humaines du Canada

Partenaire(s) : Collège Dawson, Cégep du Vieux Montréal, Conseil scolaire des premières Nations en éducation aux adultes (CSPNEA), Commission de développement des ressources humaines des premières Nations du Québec (CDRHPNQ), Commission de développement économique des Premières Nations du Québec et du Labrador (CDEPNQL), Tewatonhnhisaktha, Fondation Martin.

Objectif : Développer un modèle d'incubateur d'entreprises adapté à la fois aux besoins variés et aux réalités autochtones.

The following project is newly funded in 2016-2017:

Formation aux gestionnaires – Gestion de la diversité – Inclusion des personnes en situation de handicap

Organisme subventionnaire : Emploi Québec

Partenaire(s) : Conseil du patronat du Québec (CPQ) et Regroupement des organismes spécialisés pour l'emploi des personnes handicapées (ROSEPH)

Objectif : Accompagner et outiller les entreprises dans la gestion de la diversité, en s'intéressant particulièrement aux personnes en situation de handicap.

Office of Academic Development

Research Office, 4B.3A-6

Barbara Freedman, Dean of Academic Development

Uzma Jamil, Coordinator of Research

Debra Gill, Administrative Technician

(514) 931-8731 ext. 1374

[research@dawsoncollege.qc.ca](mailto:research@dawsoncollege.qc.ca)

[www.dawsoncollege.qc.ca/research/](http://www.dawsoncollege.qc.ca/research/)