

**University of Waterloo**  
**SENATE**  
**Notice of Meeting**

**Date:** Monday 26 March 2018  
**Time:** 3:30 p.m.  
**Place:** Needles Hall, room 3407

	<b>OPEN SESSION</b>	<b>Action</b>
3:30	<p><b><u>Consent Agenda</u></b>  <b>Motion:</b> To approve or receive for information by consent items 1-5 below.</p> <ol style="list-style-type: none"> <li>1. Minutes of the 26 February 2018 Meeting</li> <li>2. Reports from Committees and Councils               <ol style="list-style-type: none"> <li>a. Undergraduate Council</li> </ol> </li> <li>3. Report of the President               <ol style="list-style-type: none"> <li>a. Recognition and Commendation</li> </ol> </li> <li>4. Report of the Vice-President, Academic &amp; Provost               <ol style="list-style-type: none"> <li>a. Retail Services – Department Name Change</li> <li>b. Campus Wellness – Department Name Change</li> </ol> </li> <li>5. Reports from the Faculties</li> </ol> <p><b><u>Regular Agenda</u></b></p> <ol style="list-style-type: none"> <li>6. Business Arising from the Minutes               <ol style="list-style-type: none"> <li>a. 2+2 Agreements</li> </ol> </li> <li>7. Reports from Teaching Awards Committees               <ol style="list-style-type: none"> <li>a. Amit &amp; Meena Chakma Awards for Exceptional Teaching by a Student Committee*</li> <li>b. Distinguished Teacher Awards Committee*</li> </ol> </li> <li>8. Teaching Presentation – Wayne Brodland, Civil &amp; Environmental Engineering</li> <li>9. Reports from Committees and Councils               <ol style="list-style-type: none"> <li>a. Finance Committee*</li> <li>b. Undergraduate Council</li> </ol> </li> <li>10. Report of the President</li> <li>11. Q&amp;A Period with the President</li> <li>12. Report of the Vice-President, Academic &amp; Provost               <ol style="list-style-type: none"> <li>a. Undergraduate and Graduate Admissions Update</li> <li>b. Conrad Business, Entrepreneurship and Technology Centre – Department Name Change</li> </ol> </li> <li>13. Report of the Vice-President, University Research</li> <li>14. Other Business</li> </ol>	<p>Decision</p> <p>Decision/Information</p> <p>Information</p> <p>Decision Decision</p> <p>Information</p> <p>Information</p> <p>Information</p> <p>Information</p> <p>Decision Decision</p> <p>Information</p> <p>Information</p> <p>Information Decision</p> <p>Information</p>
<b>CONFIDENTIAL SESSION</b>		
5:10	<ol style="list-style-type: none"> <li>15. Minutes of the 26 February 2018 Meeting</li> </ol>	Decision

	<b>CONFIDENTIAL SESSION</b>	<b>Action</b>
5:15	16. Business Arising from the Minutes	
5:20	17. Report of the President	Information
5:30	18. Report of the Vice-President, Advancement a. Donor List – FY16 Gifts and Pledges \$250,000+	Information
5:35	19. Other Business	

\*to be distributed

19 March 2018

Karen Jack  
University Secretary  
Secretary to Senate

**University of Waterloo**  
**SENATE**  
**Minutes of the Monday 26 February 2018 Meeting**

**Present:** Jean Andrey, Michael Balogh, Sandra Banks, Hannah Beckett, Katherine Bergman, Anne Bordeleau, Antonio Brieva, Robert Bruce, Carmen Bruni, Kofi Campbell, Jeff Casello, Brian Cepuran, Jennifer Clapp, Andrew Clubine, Tara Collington, Mario Coniglio, Eric Croiset, Shannon Dea, Charmaine Dean, David DeVidi, George Dixon, Mathieu Doucet, Tia Driver, Fraser Easton, Marlene Epp, Mavis Fenn, Matthew Gerrits, Mark Giesbrecht, Julia Goyal, Feridun Hamdullahpur (chair), Craig Hardiman, Samantha Hossack, Dennis Huber, Karen Jack (secretary), Craig Janes, Spiro Karigiannis, Scott Kline, Mungo Marsden, Katie Misener, Barb Moffatt, Richard Myers, Catherine Newell Kelly, Douglas Peers, David Perrin, David Porreca\*\*, William Pristanski\*\*, Neil Randall, James Rush, Beth Sandore Namachchivaya, Mark Seasons, Marcus Shantz, Samantha Shortall, Joanne Shoveller, James Skidmore, Richard Staines, Gordon Stuble, Pearl Sullivan, Susan Tighe, Hamid Tizhoosh, Tomson Tran, Stephen Watt, Dan Wolczuk, Alexander Wray

**Guests:** Bruce Campbell, Aldo Caputo, Donna Ellis, André Jardin, Ross Johnston, Jennifer Kieffer, Derek Madge, Flora Ng, Diana Parry, Chris Read, Ian Rowlands, Emily Schroeder, Daniela Sesar-Hencic, Allan Starr, Marilyn Thompson, Christine McWebb, Glen Wepler, Rebecca Wickens

**Absent:** Bilal Akhtar\*, Chris Bauch\*, Claudio Canizares\*, Simon Courtenay\*, Bernard Duncker\*, David Edwards\*, Paul Fieguth\*, Wendy Fletcher\*, Cindy Forbes\*, George Freeman\*, Shikha Gandhi, Robert Gorbet\*, Thorsten Heins, Marios Ioannidis, Tom Jenkins\*, Karim S. Karim, Alysia Kolentsis\*, Greta Kroeker\*, Robert Lemieux\*, Grant Mitchell\*, Mohammad Nasif, Daniel O'Connor\*, Angela Pereira, Bruce Richter\*, Johanna Wandel\*, Ross Willard\*, En-Hui Yang\*

\*regrets

\*\*telephone

**OPEN SESSION**

**Consent Agenda**

Senate heard a motion to approve or receive for information the items on the consent agenda.

Perrin and Karigiannis.

**1. MINUTES OF THE 15 JANUARY 2018 MEETING**

Senate approved the minutes of the meeting.

**2. REPORTS FROM COMMITTEES AND COUNCILS**

**Graduate & Research Council.** Senate received the report for information.

**Nominating Committee for Honorary Degree.**

**Motion:** That Senate approve the revised terms of reference for the Senate Nominating Committee for Honorary Degrees as presented in attachment 1.

**Undergraduate Council.**

**Motion:** That Senate approve the following revisions to the section of the undergraduate calendar titled, "Course Selection ... Repeated Courses," effective as of 1 September 2019.

**3. REPORT OF THE PRESIDENT**

**Tenure and Promotion.** Senate received the report for information.

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**Honorary Degrees and Convocation Speakers.** Senate received the report for information.

**Recognition and Commendation.** Senate received the report for information.

**4. REPORTS FROM THE FACULTIES**

Senate received the reports for information.

**5. COMMITTEE APPOINTMENT**

Senate approved the appointment of Monica Barra as faculty representative to the Distinguished Teacher Awards Committee, term to 30 December 2018.

A question arose re: the report from the Honorary Degrees Committee and whether it should be moved to the regular agenda to facilitate debate. The chair advised that the matter at issue was debated fully at the recent Honorary Degrees Committee, and he and the secretary, Rebecca Wickens, who was present, clarified the intent of the change.

The question was called, and the motion carried with three abstentions.

**Regular Agenda**

**6. BUSINESS ARISING FROM THE MINUTES**

**Document Verification Processes by the Registrar's and Graduate Studies and Postdoctoral Affairs Offices.** Newell Kelly and Casello spoke to a question raised at the November meeting re: document verification processes. They both advised how their offices manage verification of documents which are provided in support of applications; there were no questions.

**7. TEACHING PRESENTATION**

Following an introduction by Dean, Blair Feltmate, head of the Intact Centre on Climate Adaptation, presented to Senate on "Climate Change and Severe Weather: Innovation to Reduce Flood Risk in Canada." Feltmate spoke to the centre's efforts over the last few years to lead improvements in adaptations to climate change, the costs of extreme weather, home flood protection measures, and adaptations. In discussion: the role of stakeholders, and lessons learned from activities in the United States.

Slides used in Feltmate's presentation may be accessed using the following link: [https://uwaterloo.ca/secretariat/sites/ca.secretariat/files/uploads/files/item\\_7\\_research\\_presentation\\_feltmate\\_february\\_26\\_2018.pdf](https://uwaterloo.ca/secretariat/sites/ca.secretariat/files/uploads/files/item_7_research_presentation_feltmate_february_26_2018.pdf)

**8. REPORTS FROM COMMITTEES AND COUNCILS**

**University Appointments Review Committee**

Flora Ng, chair of the committee, spoke to her presentation, highlighting details about data and trends. In response to questions, Ng indicated that data presented is for three year definite appointments and above, data details offers or hires approved by the committee, and that the committee does not track appointments of less than three years. In discussion: some candidates accept other offers elsewhere, Ng has noticed a growing trend of former Waterloo graduates applying for positions here after working elsewhere.

Slides used in Ng's presentation may be accessed using the following link: [https://uwaterloo.ca/secretariat/sites/ca.secretariat/files/uploads/files/uarc\\_senate\\_presentation\\_feb\\_262018\\_-\\_final\\_version.pdf](https://uwaterloo.ca/secretariat/sites/ca.secretariat/files/uploads/files/uarc_senate_presentation_feb_262018_-_final_version.pdf)

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**Executive Committee**

Senate heard a motion that it appoint its Executive Committee as a nominating committee to seek the next chancellor of the University.

Beckett and Wray. Following confirmation of past practice for the Executive Committee to handle this responsibility, the question was called and the motion carried unanimously.

**Undergraduate Council**

Senate heard the following motions:

**Faculty of Arts, Germanic and Slavic Studies – Cultural Identities.**

**Motion:** That Senate approve the creation of a new minor plan in cultural identities as described in the report, effective 1 September 2018.

Coniglio and Peers. Carried unanimously.

**Faculty of Arts, Spanish and Latin American Studies.**

**Motion:** That Senate approve the creation of a new certificate in Latin American Studies as described in the report, effective 1 September 2019.

Coniglio and Peers. Carried unanimously.

**Faculty of Arts, St. Paul's University College – Canadian Studies.**

**Motion:** That Senate approve the creation of a new Canadian studies minor as described in the report, effective 1 September 2019.

Coniglio and Myers. Carried unanimously.

**Faculty of Arts, St. Paul's University College – Indigenous Studies.**

**Motion:** That Senate approve the creation of a new indigenous studies minor as described in the report, effective 1 September 2019.

Coniglio and Myers. Carried unanimously.

**Faculty of Arts, 2+2 Agreement.**

**Motion:** That Senate approve the proposed admission pathway, standards and progression requirements of Honours French Studies outlined in the attached 2+2 agreement with Shandong Normal University, China ("SDNU"), effective 1 September 2018.

Coniglio and Peers. Following clarification from Coniglio that in Section 3.3, the text should read "a minimum of six full-time academic terms", the question was called and the motion carried unanimously.

**Faculty of Arts, Diploma in Spanish/English Translation, Spanish/English Translation Minor, Latin American Literatures and Cultures Minor, Latin American Literatures and Cultures Specialization.**

**Motion:** That Senate approve the inactivation of the following: Diploma in Spanish/English Translation, Spanish/English Translation Minor, Latin American Literatures and Cultures Minor, and Latin American Literatures and Cultures Specialization, effective 1 September 2019.

Coniglio and Peers. Carried unanimously.

In discussion: a request for a list to be provided for the next meeting of the 2+2 programs the University is involved in, and advice that Renison avails itself of indigenous instructors in its offerings where it can, but such courses are not always taught by indigenous individuals, but the University College is working toward further hires on this front.

**9. REPORT OF THE PRESIDENT**

Hamdullahpur provided a wide-ranging report in which he spoke to: a request for Senators to identify potential candidates for the pool of prospective governors; advice that the report from the President's Advisory Committee on Student Mental Health is forthcoming with several important recommendations; a brief update on supercluster activities; the University's indigenization strategy; and other activities.

In discussion: a report from Jeff Casello's office re: post-doctoral fellows will be ready in the next few months, international women's day; advice from Diana Parry re: the Equity Office.

Slides used in the president's presentation may be accessed using the following

link: [https://uwaterloo.ca/secretariat/sites/ca.secretariat/files/uploads/files/item\\_9\\_report\\_of\\_the\\_president.pdf](https://uwaterloo.ca/secretariat/sites/ca.secretariat/files/uploads/files/item_9_report_of_the_president.pdf)

**10. REPORT OF THE VICE-PRESIDENT, ACADEMIC & PROVOST**

**2017-18 Operating Budget Update.** Dixon presented members with an update on the current budget and planning for next year's budget. Highlights included: projections indicate that expected shortfalls predicted last year will not occur and the University will have a surplus largely due to higher enrollments and advice that quality was maintained; the need to meet Strategic Mandate Agreement targets; 2018-19 enrollment targets; plans to increase revenues and decrease expenses. There were no questions.

Slides used in the vice-president's presentation may be accessed using the following

link: [https://uwaterloo.ca/secretariat/sites/ca.secretariat/files/uploads/files/item\\_10a\\_provost\\_2017-18\\_operating\\_budget\\_update.pdf](https://uwaterloo.ca/secretariat/sites/ca.secretariat/files/uploads/files/item_10a_provost_2017-18_operating_budget_update.pdf)

**11. REPORT OF THE VICE-PRESIDENT, UNIVERSITY RESEARCH**

Dean provided members with a brief report and there were no questions.

**12. REPORT OF THE DEAN OF ARTS**

Peers spoke to the proposal to create the Stratford School of Interaction Design and Business as a new unit in the Faculty of Arts and Senate heard a motion to recommend to the Board of Governors creating it effective 1 July 2018.

Peers and Andrey.

In discussion: the programs' rapid growth; the difficulties created by the current lack of a governance structure; conversations within the Faculty re: nomenclature; from a representative from architecture, an expression of support for the proposal, but a concern about, and a desire to reduce any potential confusion in the future with respect to architecture's own nexus with "interactive design", "integrated design" and any program or other names it might propose in the future. The representative also noted that design is at the core of the degree in architecture, and while architecture does not claim ownership over the use of the word "design", the expectation is that members of Senate will apply the same openness and principle to the use of the term "arts" should architecture come with a proposal to name a new program in "Integrated Design Arts and Technology", for example.

The question was called and the motion carried.

**13. OTHER BUSINESS**

There was no other business.

Senate convened in confidential session. Rush left the meeting.

16 March 2018

Karen Jack  
University Secretary  
Secretary to Senate

**CONFIDENTIAL SESSION**

Confidential minutes have been removed.



**University of Waterloo**  
**SENATE UNDERGRADUATE COUNCIL**  
**Report to Senate**  
**26 March 2018**

Senate Undergraduate Council met on 13 February 2018 and agreed to forward the following items to Senate. Council recommends that these items be included for information or approval, as noted, in the consent agenda.

Further details are available at: [uwaterloo.ca/secretariat/committees-and-councils/senate-undergraduate-council](http://uwaterloo.ca/secretariat/committees-and-councils/senate-undergraduate-council)

## **FOR APPROVAL**

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### **ACADEMIC REGULATORY CHANGES**

#### **Faculty of Environment Concurrent Degrees**

1. **Motion:** That Senate approve the following revisions to the section of the undergraduate calendar titled “Overview of Plans, Sub-Plans, Course Enrolment, and Grading...Concurrent Degrees”, effective as of 1 September 2019.

#### **Background and Rationale:**

The current policy can be found at: <http://ugradcalendar.uwaterloo.ca/page/ENV-Plans-SubPlans-Course-Enrolment-Grading>.

Text with revisions inline (strikeout = deleted text, bold = new text):

...

#### **Concurrent Degrees**

University of Waterloo students pursuing programs in Faculties other than Environment (ENV) may wish to work concurrently toward a Bachelor of Environmental Studies (BES) or a Bachelor of Knowledge Integration (BKI). Following consultation with the Environment academic plan advisor and the academic plan advisor of the home Faculty, the student must **complete a Plan Modification form to declare officially the concurrent degrees. Failure to declare officially may result in the concurrent degree not being granted at time of graduation.**

~~successfully complete~~ **Successful completion of the following is required** to be awarded ~~the a~~ BES or BKI **concurrent degree:**

1. All Program-level requirements as approved by the Environment Academic Plan Advisor.
2. At least 7.5 academic course units (for the Three-Year General degree) or ten academic course units (for the Honours degree) over and above the minimum number of courses required for the first degree in the home Faculty.

In some instances, a Joint Honours program or a minor in an Environment discipline, where possible, may be preferable, in which case the BES would not be granted. Concurrent degrees with Environment and Business, International Development Practice Specialization, or Planning will not be approved.

Students from the Faculty of Environment who wish to pursue the BKI and a BES degree concurrently must meet the requirements as specified in points 1 and 2 above.

Rationale for the proposed revisions: The revision seeks to clarify the process for students who wish to complete a concurrent degree, and ensures discussion takes place with both programs/faculties.

### **Faculty of Environment Counting Courses**

2. **Motion:** That Senate approve the following revisions to the section of the undergraduate calendar titled “Overview of Plans, Sub-Plans, Course Enrolment, and Grading...Counting Courses”, effective as of 1 September 2019.

#### **Background and Rationale:**

The current policy can be found at: <http://ugradcalendar.uwaterloo.ca/page/ENV-Plans-SubPlans-Course-Enrolment-Grading>.

Text with revisions inline (strikeout = deleted text, bold = new text):

...

#### **Counting Courses**

~~There will be no triple counting of any course for any academic credit in the Faculty of Environment. Double counting of courses applies as follows: once for the plan, and once for a joint honours or concurrent degree, option, minor, diploma, or specialization. There is no limit on the number of courses that may be double counted unless otherwise stated.~~

**Students may count a course towards a maximum of two academic credentials. Normally the first would be towards the Bachelor degree being granted, as either a core or elective course, and then again towards a second academic credential (joint honours, concurrent degree, diploma, specialization, minor or option).**

Rationale for the proposed revisions: The revision seeks to clarify the double count rule applies to both core and elective courses.

### **Faculty of Environment English Language Communication Requirement for Knowledge Integration**

3. **Motion:** That Senate approve the following revisions to the section of the undergraduate calendar titled “English Language Communication Requirement”, effective as of 1 September 2019.

#### **Background and Rationale:**

The current policy can be found at: <http://ugradcalendar.uwaterloo.ca/page/ENV-English-Language-Communication-Requirement>.

Text with revisions inline (strikeout = deleted text, bold = new text):

The Faculty of Environment requires that all students have basic competency in English language communications – oral, written, and other media – in order to be successful in their university studies. First-year required courses have been identified in each program to provide the English language communication skills that are the foundation for successful completion of degree requirements. These courses are:

Environment and Business: ENVS 131

Environment, Resources and Sustainability: ERS 101

Geography and Environmental Management (all programs): ENGL 109 or ENGL 129R

International Development: INDEV 101

Knowledge Integration: ~~INTEG 120~~ **SPCOM 223**

Planning: PLAN 102

Rationale for the proposed revisions: INTEG 120 was designated as the knowledge integration (KI) communication course early in the English language proficiency requirement replacement timeline. While there are communication elements to the course it was not designed to be a communication course. SPCOM 223 is the core communication course in the KI curriculum, which all KI students take in 1A, and it is followed by significant writing assignments and feedback scaffolded throughout the program (INTEG 220 and 221). As such, SPCOM 223 is the most appropriate 1<sup>st</sup> year core course for KI students to meet their English language communication requirement. This proposal has the support of the speech communication department.

## FOR INFORMATION

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## CURRICULAR MODIFICATIONS

1. Council approved the following on behalf of Senate:
  - minor plan changes for: the Faculty of Environment (knowledge integration; diplomas in ecological restoration and rehabilitation, environmental assessment, and geographic information systems; environment, resources and sustainability minor; and geography and environmental management specializations).
  - new courses for the Faculty of Arts (School of Accounting & Finance).
  - course changes for the Faculty of Environment (field ecology; School of Environment, Resources & Sustainability; geography & environmental management; knowledge integration; School of Environment, Enterprise & Development).

/rmw

Mario Coniglio  
Associate Vice-President, Academic

**University of Waterloo**  
**SENATE**  
**Report of the President**  
**26 March 2018**

**FOR INFORMATION**

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**Recognition and Commendation**

The Office of the Associate Vice President, Academic, and the Centre for Teaching Excellence have announced the recipients of this year's Learning Innovation and Teaching Enhancement (LITE) full grants. The winning projects are:

- [Open online interactive workbook for intermediate students of French as a second language](#). **Cynthia Tremblay, Loula Abd-elzarak, Nicolas Hebbinckuys, Mikalai Kliashchuk, Rocky Penate, and Kanstantsin Tsedryk** (French studies).
- [Optimizing student engagement: Developing a suite of tools to monitor engagement during university lectures](#). **Daniel Smilek and Jeff Wammes** (psychology).
- [Objective structured clinical examination as a summative clinical competency examination for the doctor of optometry program](#). **Patricia Hrynychak, Stan Woo, Jenna Bright, and Andre Stanberry** (School of Optometry and Vision Science).

Since 2012, 14 LITE Full Grants of up to \$30,000 have been awarded to instructors and staff investigating innovative approaches to enhancing teaching and fostering deep student learning at Waterloo. (adapted from the *Daily Bulletin*, 23 January 2018)

**Teferi Mergo**, an assistant professor of economics at St. Paul's and the University of Waterloo, was recently appointed a Fellow of the Global Labor Organization (GLO), a non-partisan, independent organization that serves as an international network and virtual platform for researchers and policy makers. GLO Fellows are appointed by the executive board of the organization, based on merit, active collaboration, and quality contributions. "It is an honour to be a part of a research network that includes some of the prominent economists today," said Mergo, who has been at St. Paul's since July 2014. "The network is a great platform for the production and dissemination of policy-relevant scientific knowledge, including – but not limited to – the implications of the constantly evolving global labour markets; the challenges we face today due to migration, refugees, and other demographic changes; and the nexus between globalization and economic outcomes," he added. Mergo studies the causal impacts of various policy interventions and institutions on development, with emphasis on the African continent. His work has been published in *Science* and *World Development*, and he currently teaches in the International Development program. (adapted from the *Daily Bulletin*, 6 February 2018)

On Tuesday, February 13, 2018, Alumni Relations announced the **2017 Alumni Achievement Award recipients**. University of Waterloo alumni distinguish themselves by dreaming big, charting unconventional paths, embracing innovation and inspiring others. The annual Alumni Achievement Awards recognize these exceptional alumni. All recipients are named on [the Alumni Relations' website](#). (adapted from the *Daily Bulletin*, 13 February 2018)

**Distinguished Professor Emeritus Don Cowan** and **Professor Emeritus Richard C. "Ric" Holt** have received the 2017 Lifetime Achievement Award in Computer Science from CS-Can/Info-Can, the national organization of Canadian computer science departments, schools and faculties. Conferred annually, these prestigious awards recognize outstanding and sustained achievement in research, teaching and service. "It's wonderful to see Don and Ric's accomplishments recognized by CS-Can/Info-Can," said Mark Giesbrecht, director of the David R. Cheriton School of Computer Science. "Congratulations to these two distinguished pioneers of computer science who have contributed immeasurably to both the field and to the David R. Cheriton School of Computer Science through their years of leadership, scholarship, teaching and service."

The 2017 awards will be presented at the annual CS-Can/Info-Can Awards Dinner, which will be held at York University in Toronto on May 7, 2018.

Cowan is a Canadian pioneer in computer science. Shortly after completing his PhD in 1965, Don became head of the Computer Science Division of the Mathematics Department at the University of Waterloo. In 1967, he became Chair of the Department of Applied Analysis and Computer Science, a new academic unit that launched with only four faculty members of professorial rank in computer science. Within five years, Cowan expanded the department to 26 research faculty and five lecturers. Although it has been close to half a century since he served as department chair, Cowan set the tone that has established the David R. Cheriton School of Computer Science as Canada's largest and best-known computer science program.

Holt has been a pioneer of computer science since his arrival at the University of Toronto as an assistant professor in 1970 and continuing at the University of Waterloo since 1997. He has made a number of seminal contributions in a variety of computer systems research areas, from work on operating systems and programming languages, compilers and computer science education, to software architecture modelling and software analytics. Holt has supervised many PhD students who have themselves become leading academics. He has authored and coauthored dozens of highly cited journal and conference publications, many of which are classics in their field. (adapted from the *Daily Bulletin*, 27 February 2018)

Congratulations to **Chris Vigna** (kinesiology), **Norm Klassen** (English language and literature), and **Chad Wriglesworth** (English language and literature) for receiving the 2017-2018 Feds Excellence in Undergraduate Teaching Award. A special congratulations to Klassen and Wriglesworth for also receiving this year's Ontario Undergraduate Student Alliance Award for Teaching Excellence for their co-taught special topics course on the Sacramental Imagination. (Federation of Students)

**University of Waterloo**  
**SENATE**  
**March 26, 2018**

**FOR APPROVAL**

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**Retail Services**

**Motion:** That Senate recommends to the Board of Governors the following name change: “Retail Services” to “Print and Retail Solutions”

**Rationale:** Retail Services’ departmental mission is to be the trusted source for services and products essential to the advancement of knowledge, student success and an enriched campus experience. We seek to engage the campus community with our personalized service, innovative and diversified offerings, and our support of the University’s mission and goals. Our departmental vision is to one day achieve a degree of overall financial sustainability that allows us to sell third-party educational resources to students at cost.

Retail Services recently undertook to re-envision our retail environments, our online and in-store customer experience, and how we serve the University. The department conducted extensive research involving students, faculty, staff and alumni, and included representation from University Relations (Marketing and Strategic Communications unit) to ensure alignment with broader institutional ambitions.

The proposed new name takes into consideration the wide variety of products and services the department offers to the campus, as well as the complexity of stakeholders who interact with our operations – from copying and printing, to textbooks and other course materials, to branded apparel and gifts. The name **Print and Retail Solutions** aligns well with our departmental mission and vision statements, and positions us as the experts on campus to fulfil any printing or retail requirement. This new name will allow us to expand and enhance our offerings as the print and retail environments evolve over time.

The motion reflects the University of Waterloo’s commitment to ensuring that students have an engaging, purposeful and relevant experience by facilitating strong partnerships between our department and academic and other non-academic units, and presenting more clearly and intuitively the precise domain of this ancillary unit’s contribution to the University.

If approved, the proposed name change would be implemented during the Spring 2018 academic term.

Ryan Jacobs  
Director, Retail Services

Chris Read  
Associate Provost, Students

**University of Waterloo**  
**SENATE**  
**March 8, 2018**

**FOR APPROVAL**

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**Campus Wellness Name Change**

**Motion:** That Senate recommends to the Board of Governors the following name change: Campus Wellness be the department name which will encompass Counselling Services, Health Services, and Health Promotion.

**Rationale:** Campus Wellness underwent a reorganization in 2014, which brought under its management Counselling Services and Health Services. This reorganization was initiated in response to the 2012 Student Mental Health review to better serve Waterloo students by streamlining access to services, integrating health records, and combining administrative processes.

To support this reorganization Tom Ruttan, director, Counselling Services and Clark Baldwin, medical director, both report to Walter Mittelstaedt, director, Campus Wellness. Campus Wellness also hired a manager, wellness administration to merge and integrate the two administration processes from Counselling Services and Health Services. The administration processes are in place and have been operational since 2016. Both services operate from a common health record, and financial management is done as a single unit. In addition to Counselling Services and Health Services, Campus Wellness established a new unit, Health Promotion. Under the direction of a new position, associate director, health promotion, Campus Wellness is committing to an emphasis on promotion of healthy lifestyles and prevention on campus. With these three units now established under Campus Wellness, a website was developed with links to Counselling Services, Health Services, and Health Promotion.

To support the department's operations, Campus Wellness has developed several cross-functional committees: Collaborative Mental Health Operations; Quality Assurance and Program; and, Healthy Workplace and Health Promotion. In 2015, the department completed the Campus Wellness Strategic Initiatives and has recently published the third progress report.

The motion reflects the University of Waterloo's direction to promote and support student success initiatives and is supported by the recommendations of the Mental Health Review. The proposed name change would be implemented during the Spring 2018.

Walter Mittelstaedt  
Director  
Campus Wellness

Chris Read  
Associate Provost, Students

**University of Waterloo**  
**REPORT OF THE DEAN OF APPLIED HEALTH SCIENCES TO SENATE**  
**March 26, 2018**

**FOR INFORMATION**

**A. APPOINTMENTS**

**Adjunct appointments**

*Graduate Supervision*

**SOKLARIDIS, Sophie**, Assistant Professor, School of Public Health and Health Systems, March 1, 2018 – December 31, 2022.

*Graduate Supervision and Research*

**COSTELLO, Mary Jean**, Assistant Professor, School of Public Health and Health Systems, March 2, 2018 – January 31, 2019

*Research*

**STEVENSON, Michael**, Assistant Professor, School of Public Health and Health Systems, March 1, 2018 – April 30, 2019.

**Adjunct reappointments**

*Graduate Supervision*

**Kehyayan, Vahe**, Assistant Professor, School of Public Health and Health Systems, March 1, 2018 – December 31, 2019.

**Special appointments**

*Graduate Instruction*

**IBEY, Robyn**, Lecturer, Department of Kinesiology, February 1, 2018 – April 30, 2019.

**PARKINSON, Robert**, Lecturer, Department of Kinesiology, January 1, 2018 – April 30, 2018.



James W.E. Rush, Dean  
Faculty of Applied Health Sciences



**UNIVERSITY OF WATERLOO**  
**REPORT OF THE DEAN OF THE FACULTY OF ARTS TO SENATE**  
**March 26, 2018**

**FOR INFORMATION**

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**A. APPOINTMENTS**

**Probationary Term Appointments**

**LANOSZKA, Alexander**, (BA 2008 University of Windsor, MA 2010 PhD 2014 Princeton University), Assistant Professor, Department of Political Science, July 1, 2018 to June 30, 2021. Professor Lanoszka is an expert in the field of International Relations, focusing on international security, alliance politics, and theories of war. Since 2016 Professor Lanoszka has been teaching in the Department of International Politics at City, University of London. Before that he was a postdoctoral fellow at the J.S. Dickey Center for International Understanding at Dartmouth College, and a Stanton Nuclear Security Fellow at the Massachusetts Institute of Technology. Professor Lanoszka will teach Global Politics at the introductory level, as well as several of the core courses in the International Relations and Global Governance specializations offered by the Department of Political Science. Dr. Lanoszka's teaching and research interests are also broad enough to extend to other course offerings, including Russian politics.

**Definite Term Appointments**

**HILPERT, Tracy**, (BAcc 1995 Brock University, CPA 1996), Lecturer, The School of Accounting and Finance, January 1, 2018 to June 30, 2019. Tracy joins the accounting area of the School. She received her Chartered Professional Accountant's designation from the Institute of Chartered Accountants of Ontario (now CPA Ontario) in 1996. She worked as the Chief Financial Officer for Sarona Asset Management Inc. from 2011 to 2015 and has mostly recently worked at the School of Accounting and Finance as our Experiential Learning and Career Development Coach. Tracy brings extensive experience in all aspects of accounting to our programs and to our students. She will contribute to the School of Accounting and Finance by strengthening teaching in our accounting area.

**Visiting Appointment**

**WEISER-ZURMUEHLEN, Kristin**, Visiting Scholar, Department of Germanic and Slavic Studies, March 15, 2018 to May 15, 2018.

**Adjunct Appointments – Instruction**

**ALMEIDA, Alyssa**, Lecturer, Department of Drama and Speech Communication, January 1, 2018 to April 30, 2018.

**B. ADMINISTRATIVE APPOINTMENTS**

**BOEHRINGER, Michael**, Chair, Department of Germanic & Slavic Studies, July 1, 2018 to June 30, 2022.

**THOMPSON, Jessica**, Associate Director, Graduate Studies, UW-Stratford, August 1, 2018 to July 31, 2020.

**Administrative Reappointment**

**SBARDELLATI, John**, Associate Chair, Undergraduate Studies, Department of History, January 1, 2018 to December 31, 2018.

**TINGLEY, Jane**, Associate Director, Undergraduate Studies, UW-Stratford, July 1, 2018 to June 30, 2019.

### C. SABBATICAL LEAVES

**For approval by the Board of Governors:**

**ANDISON, Lois**, Associate Professor, Department of Fine Arts, July 1, 2018 to December 31, 2018, six months at full salary.

**BOIDO, Mario**, Associate Professor, Department of Spanish and Latin American Studies, July 1 to December 31, 2018, six months at 98.9% salary.

**FAULKNER, Andrew**, Associate Professor, Department of Classical Studies, July 1, 2018 to June 30, 2019, twelve months at full salary.

**GUNZ, Sally**, Professor, School of Accounting & Finance, August 1, 2018 to July 31, 2019, twelve months at full salary.

**O'BRIEN, Pat**, Professor, School of Accounting and Finance, July 1, 2018 to June 30, 2019, twelve months at 85% salary.

**OAKMAN, Jonathan**, Associate Professor, Department of Psychology July 1, 2018 to December 31, 2018, six months at full salary.

**REHMAN, Uzma**, Associate Professor, Department of Psychology, July 1, 2018 to December 31, 2018, six months at full salary.

**ROBERTS-SMITH, Jennifer**, Associate Professor, Department of Drama and Speech Communication, July 1, 2018 to June 30, 2019, twelve months at 85% salary.

**WANG, Hongying**, Associate Professor, Department of Political Science, July 1, 2018 to December 31, 2018, six months at 85% salary.

### SABBATICAL LEAVE – Cancelled

**NGUYEN, Trien**, Professor, Department of Economics, September 1, 2017 to August 31, 2018, twelve months at full salary.

### D. ADMINISTRATIVE LEAVES

**For Approval by the Board of Governors:**

**GUNZ, Sally**, Professor, School of Accounting & Finance, August 1 – September 30, 2019, two months at full salary.



Douglas M. Peers  
Dean, Faculty of Arts

**UNIVERSITY OF WATERLOO**  
**REPORT OF THE DEAN OF ENGINEERING TO SENATE**

March 26, 2018

**FOR INFORMATION**

**A. APPOINTMENTS**

**Probationary Term Reappointment**

**JIANG, Ning**, Assistant Professor, Department of Systems Design Engineering, July 1, 2018 – June 30, 2021. PhD University of New Brunswick 2009; MASc University of New Brunswick 2004; BEng Xi'an Jiaotong University 1998.

**WILLETT, Thomas**, Assistant Professor, Department of Systems Design Engineering, July 1, 2018 – June 30, 2021. PhD Dalhousie University 2008; MSc Queen's University 2003; BSc Queen's University 2001.

**Definite Term Reappointment – full time**

**BOGHAERT, Eline**, Lecturer, Department of Chemical Engineering, August 30, 2018 – August 28, 2020.

**Visiting Appointments**

**AHLUWALIA, Kulbir**, Researcher, Department of Electrical & Computer Engineering, February 1, 2018 – May 31, 2018.

**BAG, Swarup**, Scholar, Department of Mechanical & Mechatronics Engineering, May 1, 2018 – July 31, 2018.

**DENG, Chao**, Scholar, Department of Systems Design Engineering, January 23, 2018 – July 24, 2018.

**LI, Mingcui**, Scholar, Department of Electrical & Computer Engineering, April 1, 2018 – March 31, 2019.

**MOUSAVI, Jamshid**, Professor, Department of Systems Design Engineering, April 1, 2018 – October 31, 2108.

**SAFFIH, Faycal**, Researcher, Department of Systems Design Engineering, January 8, 2018 – July 7, 2018.

**SHAFIEE, Mohammad**, Scholar, Department of Systems Design Engineering, June 1, 2018 – November 30, 2018.

**SU, Honglei**, Scholar, Department of Electrical & Computer Engineering, April 1, 2018 – March 31, 2019.

**SUN, Zhi**, Scholar, Department of Electrical & Computer Engineering, March 20, 2018 – March 19, 2019.

**ZHANG, Lei**, Scholar, Department of Mechanical & Mechatronics Engineering, March 10, 2018 – March 9, 2019.

**Special Appointments**

Undergraduate Instruction

**BYSKAL, Daniel**, Lecturer, Department of Civil & Environmental Engineering, May 1, 2018 – August 31, 2018.

**CONIDI, Daniela**, Lecturer, Department of Civil & Environmental Engineering, May 1, 2018 – August 31, 2018.

**GOORTS, Kevin**, Lecturer, Department of Civil & Environmental Engineering, May 1, 2018 – August 31, 2018.

**REETZ, Adrian**, Lecturer, Department of Management Sciences, January 1, 2018 – April 30, 2018.

**REID, Roberston**, Lecturer, Department of Civil & Environmental Engineering, January 1, 2018 – April 30, 2018.

**SNOWDON, Andrew**, Lecturer, Department of Civil & Environmental Engineering, May 1, 2018 – August 31, 2018.

**TAIT, Morgan**, Lecturer, Department of Systems Design Engineering, January 1, 2018 – April 30, 2018.

**Special Appointments**

Graduate Instruction

**SALVINI, Paul**, Lecturer, Conrad Business Entrepreneurship & Technology Centre, January 1, 2018 – April 30, 2018.

**Special Reappointments**

Undergraduate Instruction

**BOLEN, Matthew**, Lecturer, School of Architecture, January 1, 2018 – April 30, 2018.

**MATHER, David**, Lecturer, Department of Mechanical & Mechatronics Engineering, January 1, 2018 – April 30, 2018.

**Adjunct Appointments**

Graduate Supervision

**GAWISH, Ahmed**, Assistant Professor, Department of Systems Design Engineering, January 1, 2018 – December 31, 2020.

**Adjunct Appointments**

Graduate Supervision & Research

**GALES, John**, Assistant Professor, Department of Mechanical & Mechatronics Engineering, February 1, 2018 – January 31, 2021.

**SLUTSKY, Arthur**, Professor, Department of Mechanical & Mechatronics Engineering, February 1, 2018 – January 31, 2021.

**VARIN, Robert**, Professor, Department of Mechanical & Mechatronics Engineering, February 1, 2018 – January 31, 2021.

**WASLANDER, Steven**, Associate Professor, Department of Mechanical & Mechatronics Engineering, May 1, 2018 – April 30, 2021.

**WOOD, Jeffrey**, Associate Professor, Department of Mechanical & Mechatronics Engineering, December 1, 2017 – November 30, 2020.

**Adjunct Appointments**

Graduate Instruction, Supervision & Research

**SHAABAN, Mostafa**, Assistant Professor, Department of Electrical & Computer Engineering, October 1, 2017 – September 30, 2020.

**Adjunct Reappointments**

Graduate Supervision & Research

**ELMASRY, Mohamed**, Professor, Department of Electrical & Computer Engineering, January 1, 2018 – December 31, 2020.

**MARK, Jon**, Professor, Department of Electrical & Computer Engineering, September 1, 2017 – August 31, 2020.

**SMITH, Larry**, Associate Professor, Conrad Business Entrepreneurship & Technology Centre, January 1, 2018 – December 31, 2019.

**B. ADMINISTRATIVE APPOINTMENTS**

**BURN, Don**, Acting Chair, Department of Civil & Environmental Engineering, November 1, 2018 – April 30, 2019.

**DEVAUD, Cecile**, Associate Chair, Graduate Studies, Department of Mechanical & Mechatronics Engineering, January 1, 2018 – April 30, 2018.

**DEVAUD, Cecile**, Associate Chair, Graduate Studies, Department of Mechanical & Mechatronics Engineering, May 1, 2019 – December 31, 2021.

**HAAS, Carl**, Chair, Department of Civil & Environmental Engineering, May 1, 2019 – October 31, 2022.

**LIEN, Fue-Sang**, Interim Associate Chair, Graduate Studies, Department of Mechanical & Mechatronics Engineering, May 1, 2018 – April 30, 2019.

**ADMINISTRATIVE REAPPOINTMENTS**

**HAAS, Carl**, Chair, Department of Civil & Environmental Engineering, May 1, 2018 – October 31, 2018.

**C. RETIREMENTS**

**BRODLAND, Wayne**, Professor, Department of Civil & Environmental Engineering, April 30, 2018.

**D. SABBATICAL LEAVES**

*For Approval by the Board of Governors*

**DEVAUD, Cecile**, Associate Professor, Department of Mechanical & Mechatronics Engineering, May 1, 2018 – April 30, 2019, twelve months at 100% salary.

**REMPEL, Garry**, Professor, Department of Chemical Engineering, September 1, 2018 – February 28, 2019, six months at 93.3% salary.

**STUBLEY, Gordon**, Professor, Department of Mechanical & Mechatronics Engineering, January 1, 2019 – December 31, 2019, twelve months at 100% salary.

A handwritten signature in black ink, appearing to read "Pearl Sullivan".

Pearl Sullivan  
Dean, Faculty of Engineering

**University of Waterloo**  
**REPORT OF THE DEAN OF ENVIRONMENT TO SENATE**  
**March 26, 2018**

**FOR INFORMATION**

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**A. APPOINTMENTS**

**Tenured**

**MORENO-CRUZ, Juan**, Associate Professor, School of Environment, Enterprise and Development, July 1, 2018 [PhD, Calgary, 2010; MSc & BSc, Universidad de Los Andes, 2004 & 2003]. Dr. Cruz comes to Waterloo from a tenured position at the Georgia Institute of Technology. His research program focuses generally on energy, technological change and economies, and more specifically on climate-change economics, geoengineering, and economic transitions; he is PI on research grants from the National Science Foundation and Strategic Energy Institute. Dr. Moreno-Cruz's program is well-suited to the Faculty of Environment's advertised position for a SSHRC CRC Tier 2 in Economic and Business Approaches to Low Carbon Transitions and, more generally, across the University because of the way it connects with Engineering and WISE.

**Continuing Lecturer**

**WOOD, Michael**, School of Environment, Enterprise and Development [SEED], May 1, 2018 [PhD & MES, Western University, 2012 & 2008; BAS, University of Guelph, 2006]. Dr. Wood joined SEED in 2013, having obtained his doctoral degree at the Ivey Business School at Western University. He has taught courses in SEED's ENBUS, LED, SUSM and MEB programs; has developed, rebuilt and updated courses in various programs, and has guest-lectured courses across the Faculty. Dr. Wood is passionate about teaching [as his teaching evaluations demonstrate], and he plays an active role in graduate supervision. As a Continuing Lecturer, he is a strong asset to both the Faculty of Environment and SEED, and the position allows him to follow his areas of greatest interest – teaching and pedagogy.

**Adjunct Appointments**

*Graduate Supervision*

**COLBERT, Barry**, Associate Professor, Faculty of Environment, January 1, 2018 to December 31, 2020.

**LEWIS, Geoffrey**, Associate Professor, School of Planning, February 1, 2018 to January 31, 2019.

**Special Appointments**

*Instruction*

**HERTEL, Sean**, Lecturer, School of Planning, May 1, 2018 to August 31, 2018.

**SEMENOVYCH, Olga**, Lecturer, School of Planning, May 1, 2018 to August 31, 2018.

**B. ADMINISTRATIVE APPOINTMENT**

**COURTENAY, Simon**, Director, School of Environment, Resources and Sustainability, January 1, 2019 to December 31, 2022.

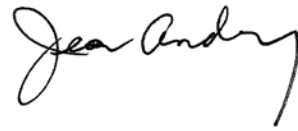
**ADMINISTRATIVE REAPPOINTMENT**

**MURPHY, Stephen**, Director, School of Environment, Resources and Sustainability, July 1, 2018 to December 31, 2018.

**C. SABBATICAL LEAVE**

*For Approval by the Board of Governors*

**MOOS, Markus**, Associate Professor, School of Planning, July 1, 2018 to December 31, 2018, at 85% salary.

A handwritten signature in black ink, reading "Jean Andrey". The signature is written in a cursive style with a large, looping "J" and a long, sweeping "y".

Jean Andrey  
Dean



**University of Waterloo**  
**REPORT OF THE DEAN OF MATHEMATICS TO SENATE**  
**March 26, 2018**

**FOR INFORMATION**

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**A. APPOINTMENTS (for approval by the Board of Governors)**

**Definite Term - Appointments**

**GUAN, Shenheng** (B.S., 1982, Fudan University; Ph.D., 1989, University of the Pacific), Research Professor, David R. Cheriton School of Computer Science, January 1, 2018 – December 31, 2019. This position is funded by a Genome Canada grant held by Professor Ma and researchers at SickKids. Dr. Guan will primarily work on cancer proteomics mass spectrometry data analysis.

**Definite Term - Reappointments**

**DIAO, Liqun**, Research Assistant Professor, Dept. of Statistics and Actuarial Science, July 1, 2018 – June 30, 2021.

**GESHNIZJANI, Ghazal**, Research Assistant Professor, Dept. of Applied Mathematics, September 1, 2018 – February 28, 2019.

**KNOLL, Carolyn**, Lecturer, Office of the Dean, August 1, 2018 – July 31, 2021.

**VINETTE, Francine**, Lecturer, Office of the Dean, June 29, 2018 – June 27, 2020.

**Adjunct Appointments**

**Instructor**

**BAUMAN, Grace**, Lecturer, Office of the Dean, January 30, 2018 – August 31, 2018.

**CHAN, Sarah**, Lecturer, Office of the Dean, September 1, 2018 – August 31, 2019.

**FUNK, Carley**, Lecturer, Office of the Dean, September 1, 2018 – August 30, 2019.

**HESCH, Melissa**, Lecturer, Office of the Dean, September 1, 2018 – August 30, 2019.

**LEISTRA, Paul**, Lecturer, Office of the Dean, September 1, 2018 – August 30, 2019.

**Research**

**CHAN, Timothy** (University of Illinois at Urbana-Champaign), Professor, David R. Cheriton School of Computer Science, January 1, 2018 – June 30, 2021.

**Adjunct Reappointments**

**Instructor**

**AKINYEMI, John**, Lecturer, David R. Cheriton School of Computer Science, September 1, 2018 – December 31, 2018.

**HOLTBY, Dan**, Lecturer, David R. Cheriton School of Computer Science, May 1, 2018 – August 31, 2018.

**KHAN, Hassan**, Lecturer, David R. Cheriton School of Computer Science, May 1, 2018 – August 31, 2018.

**KHARAL, Rosina**, Lecturer, David R. Cheriton School of Computer Science, May 1, 2018 – Aug 31, 2018.

**LANCTOT, Kevin**, Lecturer, David R. Cheriton School of Computer Science, September 1, 2018 – December 31, 2018.

**SAKHNINI, Victoria**, Lecturer, David R. Cheriton School of Computer Science, May 1, 2018 – August 31, 2018.

**Graduate Students appointed as Part-time Lecturers**

**ELMA, Ertan**, Dept. of Pure Mathematics, January 1, 2018 – April 30, 2018.

**YANG, Xu**, Dept. of Pure Mathematics, January 1, 2018 – April 30, 2018.

**Postdoctoral Fellows appointed as Part-time Lecturers**

**ZHANG, Xiaofei**, David R. Cheriton School of Computer Science, December 1, 2017 – November 30, 2018.

**A.1 Change in Appointment**

**SHEN, Yi** (Assistant Professor), Department of Statistics and Actuarial Science (*ref.* Deans report to Senate, January 2016)

From: July 1, 2016 – June 30, 2019

To: July 1, 2016 – June 30, 2020

**ZHU, Yeying** (Assistant Professor), Department of Statistics and Actuarial Science (*ref.* Deans Report to Senate, January 2016)

From: July 1, 2016 – June 30, 2019

To: July 1, 2016 – June 30, 2020

**B. ADMINISTRATIVE REAPPOINTMENTS**

**AKUNDOV, Ilham**, Director, Math Business Programs, July 1, 2018 – June 30, 2019.



Stephen M. Watt  
Dean

**UNIVERSITY OF WATERLOO**  
**REPORT OF THE DEAN OF SCIENCE TO SENATE**  
**March 26, 2018**

**For information:**

**A. APPOINTMENTS**

**New Probationary Term**

**MARTIN, Dale**, Assistant Professor, Department of Biology, July 1, 2018 to June 30, 2021. [B.Sc., Dalhousie University (2003); Ph.D., University of Alberta (2011).] Dr. Martin works in the area of cell signalling, autophagy, and on the more applied front, he is interested in understanding the origin of disease-causing proteins for diseases such as Huntington's disease. Dale is expected to be a great fit for our Biological Informatics and Molecular Exploration (BIOME) proposal in the proposed Science Centre for Innovation (SCI). From a teaching perspective, a very high proportion of our students are enrolled in the biomedical program yet we recognize that we do not have sufficient depth and breadth of expertise as we think we should. Dale bolsters our expertise in this area and is expected to create opportunities for a number of our students.

**MESSIER, Julie**, Assistant Professor, Department of Biology, November 1, 2018 to June 30, 2022. [B.Sc., Université du Québec à Montréal (2006); M.Sc., McGill University (2009); Ph.D., University of Arizona (2015).] Dr. Messier is an empirical plant ecologist with teaching interests in the area of quantitative biology and plant biology and is expected to bolster our depth in both teaching and research in this area. Her contributions to the design and use of the greenhouse on the proposed Science Centre for Innovation (SCI) and other ecology-related initiatives (e.g., the development of an ecological teaching and research facility, field course) in the Department of Biology will be important.

**Probationary Term**

**ALSABBAGH, Wasem**, Assistant Professor, School of Pharmacy, July 1, 2018 to June 30, 2021. [B.Pharm., Damascus University (2000); Ph.D., University of Saskatchewan (2015).]

**HOULE, Sherilyn**, Assistant Professor, School of Pharmacy, July 1, 2018 to June 30, 2021. [B.Sc., University of Saskatchewan (2006); Ph.D., University of Alberta (2014).]

**Definite-Term Reappointment – Full-time**

**DELANEY, Keith**, Lecturer, Department of Earth and Environmental Sciences, May 1, 2018 to April 30, 2019.

**Adjunct Appointments**  
**Graduate Supervision**

**NACSON, Sabatino**, Associate Professor, Department of Chemistry, September 1, 2017 to August 31, 2020.

**SORICHETTI, Ryan**, Assistant Professor, Department of Earth and Environmental Sciences, January 1, 2018 to December 31, 2020.

**SMITH, Richard W.**, Associate Professor, Department of Chemistry, September 1, 2017 to August 31, 2020.

**Adjunct Reappointments**  
**Graduate Supervision**

**LUENSMANN, Doerte**, Associate Professor, School of Optometry and Vision Science, March 1, 2018 to February 28, 2021.

**McDONALD, Allison**, Associate Professor, Department of Biology, May 1, 2018 to April 30, 2021.

**O'CONNELL, David**, Assistant Professor, Department of Earth and Environmental Sciences, November 1, 2017 to October 31, 2020.

**SCHULZE, Marc**, Associate Professor, School of Optometry and Vision Science, March 1, 2018 to February 28, 2021.

**Graduate Supervision and Research**

**BITTON, ETTY**, Associate Professor, School of Optometry and Vision Science, March 1, 2018 to February 28, 2021.

**BOEGMAN, Leon**, Associate Professor, Department of Biology, June 1, 2017 to May 31, 2020.

**CHARLAND, Paule**, Assistant Professor, Department of Physics and Astronomy, January 1, 2018 to August 31, 2024.

**CINELLI, Michael**, Associate Professor, School of Optometry and Vision Science, February 1, 2018 to January 31, 2021.

**MENNIGEN, Jan**, Assistant Professor, Department of Biology, January 1, 2018 to December 31, 2020.

**Undergraduate Instruction and Research**

**PASETKA, Mark**, Assistant Professor, School of Pharmacy, January 1, 2018 to December 31, 2020.

**WOO, George**, Professor, School of Optometry and Vision Science, February 1, 2018 to January 31, 2021.

**Cross Reappointments**

**AUCOIN, Marc G.**, Associate Professor, Department of Chemical Engineering, cross appointed to Department of Biology, June 1, 2017 to May 31, 2020.

**CHOH, Vivian**, Associate Professor, School of Optometry and Vision Science cross appointed to Department of Biology, June 1, 2017 to May 31, 2020.

**GORBET, Maud**, Associate Professor, Department of Systems Design Engineering, cross appointed to School of Optometry and Vision Science, February 1, 2018 to January 31, 2021.

**SLAVCEV, Roderick**, Associate Professor, School of Pharmacy, cross appointed to Department of Biology, October 1, 2017 to September 30, 2020.

**VAN CAPPELLEN, Phillippe**, Professor, Department of Earth and Environmental Sciences, cross appointed to Department of Biology, April 1, 2018 to March 31, 2021.

**Changes in Appointments**

**DEAKIN, Laura**, Continuing Lecturer, Department of Chemistry, load increased from .50 to .75 effective January 1, 2018.

**DMITRIENKO, Gary**, (Professor Emeritus), Adjunct Associate Professor, Department of Chemistry, December 1, 2017 end date changed from August 31, 2020 to August 31, 2021.

**REZANEZHAD, Fereidoun**, appointment changed from definite term Assistant Professor, Department of Earth and Environmental Sciences, September 1, 2017 to August 31, 2018 to definite term Assistant Professor, Department of Earth and Environmental Sciences, September 1, 2017 to August 31, 2018 and definite term Research Assistant Professor, Department of Earth and Environmental Sciences, September 1, 2018 to August 31, 2020.

**B. ADMINISTRATIVE REAPPOINTMENTS**

**BARRA, Monica**, Associate Chair, Undergraduate and Co-op Programs, Department of Chemistry, January 1, 2018 to December 31, 2020.

**EDWARDS, David**, Director and Associate Dean of Pharmacy, School of Pharmacy, June 1, 2018 to December 31, 2018.

**THOMPSON, Ben**, Associate Director, Research, School of Optometry and Vision Science, January 1, 2018 to June 30, 2018.

**WETTIG, Shawn**, Associate Director, Research and Graduate Studies, School of Pharmacy, September 1, 2018 to August 31, 2019.

**FOR APPROVAL BY THE BOARD OF GOVERNORS**

**A. SABBATICAL**

**MANN, Robert**, Professor, Department of Physics and Astronomy, September 1, 2018 to August 31, 2019, 100% salary arrangements.

A handwritten signature in black ink, appearing to read 'R.P. Lemieux', with a long horizontal flourish extending to the right.

R.P. Lemieux  
Dean

### University of Waterloo's currently active '2+2' Joint Academic Programs

<b>Name of University (all are located in China)</b>	<b>AHS</b>	<b>ARTS</b>	<b>ENV</b>	<b>SCI</b>
Beijing Institute of Technology (BIT)		ARTS		SCI
Beijing Jiaotong University (BJTU)		ARTS	ENV	SCI
Capital Normal University (CNU)			ENV	
Central China Normal University (CCNU)				SCI
Chang'An University (CHD)			ENV	SCI
China Agricultural University (CAU)				SCI
China University of Geosciences, Beijing (CUGB)			ENV	SCI
China University of Geosciences, Wuhan (CUGW)		ARTS	ENV	SCI
China University of Mining and Technology (CUMT)				SCI
China University of Petroleum, Beijing (CUPB)				SCI
China University of Petroleum, Huadong (CUPH)				SCI
Dalian University of Technology (DUT)				SCI
East China University of Science and Technology (ECUST)*		ARTS		
Harbin Institute of Technology (HIT)		ARTS		SCI
Harbin University of Science and Technology (HUST)				SCI
Hefei University of Technology (HFUT)				SCI
Huazhong University of Science and Technology (HUST)				SCI
Nanjing University (NJU)		ARTS	ENV	SCI
Nanjing University of Finance and Economics (NUFE)			ENV	
Northwest University (NU)				SCI
Ocean University of China (OUC)				SCI
Shandong Normal University (SDNU)		ARTS		SCI
Shandong University of Finance and Economics (SDUFE)		ARTS		
Soochow University (SU)				SCI
Southeast University (SEU)*			ENV	
Sun Yat-Sen University				SCI
Tianjin University (TJU)*				SCI
University of Science and Technology Beijing (USTB)		ARTS		SCI
Wuhan University (WU)			ENV	SCI
Xiamen University (XMU)		ARTS		SCI
Xi'An University of Arts and Science (XUAS)	AHS			
Zhongnan University of Economics and Law*		ARTS		
<b>Total (n=32)</b>	<b>1</b>	<b>11</b>	<b>9</b>	<b>25</b>

\*Senate approved and currently being signed for execution.

Prepared by Ian Rowlands, Associate Vice-President, International (16 March 2018)

**University of Waterloo**  
**SENATE UNDERGRADUATE COUNCIL**  
**Report to Senate**  
**26 March 2018**

Senate Undergraduate Council met on 13 February 2018 and agreed to forward the following item to Senate for approval. Council recommends this item be included in the regular agenda.

Further details are available: <https://uwaterloo.ca/secretariat/committees-and-councils/senate-undergraduate-council>

**FOR APPROVAL**

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**INACTIVATION OF ACADEMIC PLANS**

**Faculty of Environment**  
**Knowledge Integration Option**

1. **Motion:** That Senate approve the inactivation of the knowledge integration option, effective 1 September 2019

**Background and Rationale:** The current description of the option can be found at:  
<http://ugradcalendar.uwaterloo.ca/page/ENV-Academic-Plans-Options>

Rationale for the proposed inactivation: The Faculty of Environment is trying to reduce the number of options offered. This option is very similar to a minor in the same discipline, and, since 2008, there have only been two students enrolled in the option.

/rmw

Mario Coniglio  
Associate Vice-President, Academic



University of Waterloo  
SENATE  
Report of the Dean of Engineering  
March 26, 2018

FOR APPROVAL

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CHANGING THE NAME AND STRUCTURE OF THE CONRAD CENTRE

**Motion:** That the University of Waterloo change the name of the Conrad Business, Entrepreneurship and Technology Centre to the “Conrad School of Entrepreneurship and Business” within the Faculty of Engineering and that it be granted formal status as an academic unit.

**Rationale:** When the Conrad Business, Entrepreneurship and Technology Centre (Conrad) was established it was made a Centre in part to allow it to exist outside of the faculties and deliver on a cross-university mandate. Since those early days, governance changes at the university have resulted in Conrad moving inside of Engineering and functioning as a department under the auspices of the Dean’s office. However, Conrad’s functioning is not aligned with current governance requirements at UW (it has academic programs, appoints dedicated faculty, needs to oversee tenure and promotion, etc.). The proposed change is “governance housekeeping” on one level, and brings no material change to Conrad’s functioning, programming or mandate. The proposed name captures Conrad’s activities well, is appropriate to its competitive context, and aligns with its external review recommendations. The motion above received unanimous endorsement by Engineering Faculty Council at its January, 2018 meeting.

## Attachment #1

## CONRAD SCHOOL OF ENTREPRENEURSHIP AND BUSINESS PROPOSAL

## BACKGROUND

The Conrad Business, Entrepreneurship and Technology Centre (Conrad) is a successful academic enterprise at University of Waterloo. For the last 15 years it has offered a truly unique, high-value professional masters degree (MBET). In its most recent external review, MBET was characterized as “innovative and evolving in line with the newest approaches to both Entrepreneurship and Intrapreneurship, not only in Canada but worldwide.”

More recently, Conrad has begun offering:

- a Graduate Diploma in Business and Entrepreneurship;
- a Weekend version of its unique MBET that has attracted a large inaugural class;
- graduate courses in business and entrepreneurship that attract hundreds of Engineering’s professional masters students every year,
- a ground-breaking online introductory entrepreneurship course (BET100),
- the innovative Bridging Entrepreneurs to Students (BETS) program that provides work experience to unplaced co-op engineering students while accelerating start-up activities at UW and in the region,
- an Enterprise Co-op program that has more than tripled in size since Conrad assumed its leadership; and
- the university’s new undergraduate option and minor programs in entrepreneurship – open to all UW students regardless of discipline.

A proposal for a unique doctoral program in entrepreneurship is also in the formal planning stages.

Conrad’s undergraduate courses and programs are made available to students from every faculty, permitting entrepreneurial students from every discipline to pursue exciting real-world applications of their disciplinary studies. Proposals are in development for how Conrad might also play a similarly valuable role in supporting the education and aspirations of graduate students across campus as well as the research commercialization activities of faculty and doctoral students. Conrad is a going concern that has been rapidly growing in size and scope.

When established by the University of Waterloo’s senate, Conrad’s mandate was “... *to provide a focal point for the development and coordination of UW’s business activities...*”, including MBET, the development of undergraduate programming, supporting the expansion of business offerings across campus, serving as a focal point for entrepreneurship research activities, and engaging with the business community and external stakeholders through outreach programming.



When Conrad was first formed to offer the MBET degree, it took the form of a university research centre. This was done, in part, to allow it to exist outside the faculties in order to be true to its senate-approved, university-wide mandate to serve all faculties. Over time, it became clear that a unit offering academic programming of this kind was most appropriately situated inside a faculty given UW's governance structures and, in 2005, Conrad became a unit inside of Engineering. Its university-wide mandate, however, remained and remains unchanged.

Under current UW governance policies and practices, research centres should not be offering degree programs or for-credit courses, and cannot technically appoint faculty. Further, they lack the requisite formal structures to facilitate the tenure and promotion practices of UW – an increasingly pressing issue that needs to be resolved for Conrad. (Policies 76 & 77)

In order to bring Conrad's formal structure in line with its mandated and actual activities, Conrad must become either a School or a Department within its faculty. In many respects, the proposal here represents a kind of governance "house keeping". *It represents no material change in Conrad's activities.*

## PROPOSAL AND RATIONALE

*It is proposed that the **Conrad Business, Entrepreneurship and Technology Centre** become the **Conrad School of Entrepreneurship and Business**.*

The easiest name change would involve simply changing "Centre" to "School". However, Conrad and the Faculty of Engineering are mindful that it might be problematic to have the sequence "School of Business" in Conrad's name given the broad nature of business activities at the university, and we want to continue to position Conrad as a uniquely entrepreneurial entity.

School status is seen to be more appropriate to Conrad's activities, more helpful to its future aspirations, as well as more appropriate to its role in both the faculty's and the university's strategic agendas than department status. There is a robust set of reasons to draw this conclusion:

- The University of Waterloo has a number of schools that are housed within faculties: School of Accounting and Finance (Arts), School of Public Health and Health Systems (Applied Health Sciences), School of Optometry and Vision Science (Science), School of Pharmacy (Science), School of Architecture (Engineering), School of Environment, Enterprise and Development (Environment), School of Computer Science (Math), and the School of Planning (Environment). Each of these schools share a common focus on professional rather than purely academic and disciplinary activities and pursuits. Conrad clearly also has this characteristic focus. Further, as a measure of current thinking, the rationales used most recently in the establishment of both SEED and the School of Environment, Resources and Sustainability align closely



with Conrad's situation. The scope of Conrad's operations is, additionally, similar to those of the School of Architecture, SEED and the School of Environment, Resources and Sustainability when they were conferred with school status.

- School status offers a signal to the outside world of the importance of such professional entrepreneurship education programming to the university's strategic plan.
- Consistent with the rationale most recently offered for the School of Environment, Resources and Sustainability, almost all of Conrad's competitors are "schools".
- As with all the other schools at the University of Waterloo, school status will be helpful in marketing Conrad and the University's activities in the existing marketplace for such programming.
- Out of necessity and as part of its strategic positioning for UW, Conrad has built up a variety of structures and activities that are more consistent with UW practice in its schools, and less so in its departments. For example, Conrad has received a significant naming gift from the Conrad family that is similar in nature to the Cheriton School gift. Given the unique market it serves, Conrad also invests in its own specialized marketing and communications activities and staffing like Accounting and Finance.

Changing Conrad to a school is also consistent with the recommendations of the Ministry of Colleges and University's external review of Conrad's graduate programs in 2012, its accepted 2015 update to Senate, and the Engineering Faculty's Vision 2015 plan. Indeed, this change of status is one of the last remaining items on Conrad's last approved strategic planning agenda.

Conrad's faculty and staff see this as a critical step in achieving their objectives and advancing their mission. Their Engineering Faculty Council colleagues offered their formal and unanimous support of the proposal.

Respectfully Submitted,



J. Mark Weber  
Eyton Director  
Conrad Business, Entrepreneurship and Technology Centre



Pearl Sullivan  
Dean  
Faculty of Engineering



## **Vice-President Research Report to Senate March 26, 2018**

### **Major Awards**

Waterloo was quite successful in the CIHR fall 2017 project competition. Five of 33 applications submitted by Waterloo were successful, for a 15.2% success rate, which compares favourably with the national success rate of 15 %. The successful grants also ranked very highly; two ranked first, the others ranked third in their respective review committees. Additionally, three applications ranked just below the cut-off for funding, 11 applications scored a rating of 4 or higher (in the past, a rating above 4 essentially ensured funding), and over half of our applicants ranked above the 50th percentile.

Total funding coming to Waterloo for this competition is \$3,461,646. Waterloo ranked second among the comprehensive universities, behind Simon Fraser University, for the total funding amount awarded.

Awardees:

\*David Hammond, from the School of Public Health and Health Systems was awarded \$1,514,700 over 5 years for his project entitled "Marijuana legalization policy: Impact on prevalence and risk behaviours among youth and young adults in Canada."

\*Shannon Majowicz, also from the School of Public Health and Health Systems will receive \$585,224 over 4 years for her project entitled "Beyond diarrhea, to disability and death: uncovering the hidden health consequences of foodborne infections."

\*Tom Willett, from Systems Design Engineering was awarded \$665,552 over 4 years for his project "Bone-mimetic nanocomposite biomaterials for critically-sized skeletal defect reconstruction."

\*John-Michael Gamble, from School of Pharmacy will receive \$359,550 over 2 years for "Comparative Safety of the Sodium Glucose Co-transporter-2 (SGLT-2) Inhibitors in Patients with Type 2 Diabetes"  
Ben Thompson, from the School of Optometry was awarded \$336,600 over 3 years for his project "An engaging, patch-free treatment for young children with amblyopia."

### **Research Partnerships**

Jonathan Baugh of Chemistry (and the Institute for Quantum Computing) is principal investigator on a \$2.7 million contract award to develop novel quantum-based radar technology for the Department of National Defence, with particular application in the Canadian Arctic. This shows the advance of Waterloo's quantum research into technology development of particular relevance to Canada.

Health Canada is investing \$1.86 million into Propel to extend the "CSTADS" project (Canadian Student Tobacco, Alcohol and Drugs Survey) for two more years. This is one of the flagship projects for Waterloo in population health, and confirms our standing with Health Canada as leaders in this area of research.

### **International Research and Partnerships**

#### **Queen Elizabeth Scholars Program**

The Waterloo Institute for Sustainable Energy, in partnership with Co-operative Education & Career, Action Masters of Development Practice (MDP) and St. Paul's Greenhouse have been awarded \$300,000 for UW students to become leaders in the emerging off-grid renewable energy sector in the developing world. Waterloo Institute for Sustainable energy established the Affordable Energy for Humanity Initiative (AE4H), a global consortium of institutions, including leading social enterprises and research institutions, to help deliver the next generation of renewable energy technologies. The Program will place 40 UW upper year undergrad and graduate students, from all faculties, in energy access enterprises in the AE4H network that operate in Africa, Latin America and Asia over the next 4 years, thus facilitating UW's capacity to work on innovative renewable energy projects in developing countries.

**Joint Research agreement with Japan's Science and Technology Agency (JST) and National Institute for Informatics (NII) to advance engineering of safe automotive software**

University of Waterloo will collaborate with two leading Japanese research organizations to develop effective methods to engineer safe and secure embedded software targeting the manufacturing and automotive sectors. The joint five year project led by Krzysztof Czarnecki, professor of electrical and computer engineering, entitled *Metamathematics for Systems Design (MMSD)* is valued at \$1.4 M. The funding is contingent upon approval of the project's prior year's results. The project is funded through ERATO, the Japan Science and Technology (JST) Agency's flagship strategic basic research program targeting advanced technology. Only 2-3 of these programs are funded each year. The goal is to develop effective specification, verification, and synthesis methods with a focus on self-driving cars which will be demonstrated on Waterloo's autonomous driving research vehicle, Autonomoose.