The Provost is the chief academic officer, responsible for academic and strategic planning and for fostering an environment of academic excellence and innovation for students, faculty and staff. The Provost represents Carleton University academics externally and is responsible for ensuring that Carleton is competitive in Canada and an academic leader across the world.

In collaboration with the senior leadership team and Faculty Deans, the Office of the Provost and Vice-President (Academic) focuses on strategic academic planning; providing academic leadership across the university; new academic program development, ongoing program renewal and quality assurance; encouraging and advancing student achievement and success; teaching and learning excellence; recruitment and support of engaged and productive faculty.
MESSAGE FROM THE PROVOST

This year has been one of many accomplishments and milestones across Carleton University.

In 2017, Carleton celebrated its 75th anniversary, providing us with a time for reflection on the successes that the university has seen since its establishment in 1942.

We look forward to the next phase of Carleton’s history: one of continued academic and pedagogical excellence, strong commitment to our community and, above all, fostering an environment for a student experience that is second to none.

Our Strategic Mandate Agreement, approved by the Ministry of Advanced Education and Skills Development in 2017, will guide us until 2020 and is supported by five pillars: Student Experience; Innovation in Teaching and Learning Excellence; Access and Equity; Research Excellence and Impact; and Innovation, Economic Development and Community Engagement. This report is a selection of activities and initiatives undertaken by various academic areas of the university that support the implementation of our Strategic Mandate Agreement and demonstrate that we are, in fact, Here for Good.

Experiential learning continues to be a high priority as we move forward into this new era. Building upon a strong foundation of community engagement, we are establishing ways to provide our students with more opportunities to integrate theory and practice, and thereby further improve their employability and increase the value of their degrees.

I thank Dr. Alastair Summerlee for his terrific leadership as Interim President in 2017-18 and I look forward to continue working alongside President Benoit-Antoine Bacon in his efforts to develop and implement renewed plans and vision for Carleton.

Please do take this opportunity to read our annual report which reviews the past year’s highlights of the Faculties and support units that report to the Provost and Vice-President (Academic).

Thank you to all who made this another successful academic year for Carleton.

Jerry Tomberlin
Interim Provost and Vice-President (Academic)
ABOUT THE OFFICE OF THE PROVOST AND VICE-PRESIDENT (ACADEMIC)

Priorities for 2018-19

01 Support the President in developing strategic direction for the next decade

02 Facilitate and support the university in its Indigenous initiatives

03 Promote continuous improvement of student retention, graduation and employability

04 Foster experiential learning and other high impact practices in teaching and learning

05 Integrate and support recently appointed academic leaders and complete three dean searches

Academic Executive

(As of Aug. 31, 2018)

Jerry Tomberlin  
Interim Provost and Vice-President (Academic)

Lorraine Dyke  
Vice-Provost and Associate Vice-President (Academic)

André Plourde  
Dean, Faculty of Public Affairs

Fred Afagh  
Interim Dean, Faculty of Engineering and Design

Wayne Jones  
University Librarian

L. Pauline Rankin  
Dean, Faculty of Arts and Social Sciences

Adrian Chan  
Interim Associate Vice-President (Teaching and Learning)

Charles L.B. Macdonald  
Dean, Faculty of Science

Linda Schweitzer  
Interim Dean, Sprott School of Business

Dwight Deugo  
Assistant Vice-President (Academic)

Matthias Neufang  
Dean, Faculty of Graduate and Postdoctoral Studies

Alan Steele  
Director, Discovery Centre
Executive appointments and searches

ASSOCIATE VICE-PRESIDENT (TEACHING AND LEARNING)

Prof. Joy Mighty completed her term as Associate Vice-President (Teaching and Learning) and began administrative leave on July 1, 2018. We thank her for the valuable contributions she made to Carleton and to Canada’s teaching and learning community during her term and for her leadership during a changing time in teaching and learning.

Prof. Adrian Chan agreed to take on the role on an interim basis while the search process for the Associate Vice-President (Teaching and Learning) continued. We thank Adrian for his leadership and thank him for agreeing to serve in this interim capacity.

Prof. David Hornsby will start a five-year term as Associate Vice-President (Teaching and Learning) on Oct. 1, 2018. Prior to that, he was a faculty member and interim head of department at University College London’s Department of Science, Technology, Engineering and Public Policy where he oversees the development and delivery of educational offerings at the doctoral, master’s and undergraduate levels.

ASSISTANT VICE-PRESIDENT (ACADEMIC)

Prof. Adrian Chan completed a one-year term as Assistant Vice-President (Academic) in July 2018. His support of the academic quality assurance processes of the university and his leadership in promoting program and curriculum development has been truly outstanding.

Prof. Dwight Deugo began a four-year term on Aug. 1, 2018. Deugo served as Interim Dean of Science from July 2017 after serving as Associate Dean of Science (Recruiting and Retention) for five years.

DEAN, FACULTY OF ARTS AND SOCIAL SCIENCES

Prof. Wallace Clement served as Interim Dean, Faculty of Arts and Social Sciences until June 2018. He served as Interim Dean for two years and we thank him for his leadership and commitment to Carleton and to the Faculty of Arts and Social Sciences.

Prof. Pauline Rankin was appointed Dean of the Faculty of Arts and Social Sciences and began a five-year term on July 1, 2018. She has a substantial record of university leadership, including as Associate Dean (Research and Graduate Affairs) in the Faculty of Arts and Social Sciences and as a former director of both the Pauline Jewett Institute of Women’s and Gender Studies, and the School of Indigenous and Canadian Studies.

DEAN, FACULTY OF SCIENCE

Prof. Dwight Deugo completed his term as Interim Dean of Science in July 2018. We thank him for his commitment to Carleton and look forward to working with him as Assistant Vice-President (Academic).

Prof. Charles Macdonald began a five-year term as Dean of Science on Aug. 1, 2018. He served in significant administrative roles at the University of Windsor. He was the Associate Dean of Science responsible for graduate studies from 2010-2017, the Acting Dean of Science from 2015-2016 and Head of the Department of Chemistry and Biochemistry.

DEAN, SPROTT SCHOOL OF BUSINESS

While the Sprott School of Business Dean search continues, Prof. Linda Schweitzer has agreed to serve as Interim Dean for the 2018-19 academic year. Her appointment for an additional year will give the Faculty a period of stability and leadership while we continue the search for a new dean.
Staff in the Office of the Provost. In 2017-18, we were pleased to welcome Sylvie Beekmans, Executive Assistant to the Vice-Provost and Associate Vice-President (Academic); Aleksandra Minic, Administrator for the Director, Discovery Centre for Undergraduate Research and Engagement; and Jane van den Dries, Communications Officer.

### BY THE NUMBERS

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<td>ASSISTANT PROFESSORS</td>
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<td>INSTRUCTORS</td>
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MILESTONES AND HIGHLIGHTS

PROVOST’S CAFÉ
Semi-annual Provost’s Café events took place in November 2017 and May 2018. The café is a forum for all professional services staff in the academic sector that was created to increase information sharing and discussion about academic-related matters. Over 120 staff members attended each event which provided updates and interactive discussion about the university’s Strategic Mandate Agreement and experiential learning.

UNITED WAY PROVOST PANCAKE BREAKFAST
On Nov. 2, 2017, the Office of the Provost and Vice-President (Academic) hosted the seventh annual Provost’s United Way Pancake Breakfast on campus in support of United Way. The event attracted close to 150 faculty and staff members and students, which helped us raise $740 in donations for United Way.

SPRING CONFERENCE
The 69th annual Spring Conference weekend retreat was held in May 2018 in Lansdowne, Ont. In keeping with tradition, the Office of the Provost and Vice-President (Academic) sponsored faculty, instructors and librarians appointed in the last two years who attended the Spring Conference for the first time. This year, six new faculty members attended.

The conference brings faculty, instructors, librarians, staff and retirees together from across the university to connect and learn about some of the exciting research at our university in an informal and relaxed atmosphere. Six speakers presented their scholarship in plain language, displaying the diversity of Carleton’s academic interests and the high quality of our faculty.
NEW FACULTY ORIENTATION
In mid-August, over 35 new continuing full-time faculty and instructors participated in a three-day session co-hosted by Teaching and Learning Services and the Office of the Vice-President (Research and International). After a warm welcome, they were introduced to resources and provided information related to both teaching and research to support them in their new roles at Carleton.

GOLDEN KEY INTERNATIONAL HONOUR SOCIETY
The Office of the Provost and Vice-President (Academic) supports Carleton’s Golden Key International Honour Society chapter. Golden Key is an international collegiate honour society that focuses on academics, leadership and service. The top 15% of each program in undergraduate studies (based on cumulative GPA) are invited to become members. Carleton’s chapter was founded in early 2017, joining over 400 chapters worldwide. Over 100 students were welcomed to the society on Jan. 26, 2018 at the New Member Recognition Event.

MBA SHANGHAI PROGRAM CELEBRATES 10TH ANNIVERSARY
In May 2018, Provost Jerry Tomberlin traveled with Sprott School of Business Dean Linda Schweitzer and Associate Dean of Professional Programs Shaobo Ji to Shanghai, China to participate in the convocation ceremony for the 10th cohort of the MBA Shanghai program.
AWARDS

ACHIEVEMENT AWARDS

The Achievement Awards are co-hosted with the Vice-President (Research and International) and are bestowed each year in recognition of the excellence of our faculty, instructors and librarians.

The pursuit of excellence in teaching and research are foundations of Carleton University and, without question, our 2018 Achievement Award recipients excel.

Teaching Achievement Awards

The purpose of these awards is to recognize and enhance excellence in teaching for faculty and instructor employees and to provide financial support for the development of innovative teaching projects at Carleton.

Scott Bucking  
Department of Civil and Environmental Engineering / Azrieli School of Architecture and Design  
*Project: Experiential Learning using Design-Build Tiny Homes*

James R. Green  
Department of Systems and Computer Engineering  
*Project: Engineers in the Hospital – Experiential Learning in Capstone Projects*

D. Gregory MacIsaac  
College of the Humanities  
*Project: HUMS 1200 “Humanities and Classical Civilization”: A Model for First-Year Writing for Carleton and Beyond*

Leighann Neilson  
Sprott School of Business  
*Project: Using Video to Represent Research: a Consumer Culture Theory Approach*

Marc Saurette  
Department of History  
*Project: Using Medieval Manuscripts in Teaching Archival Digitization*

Professional achievement awards

These awards recognize outstanding professional achievements at Carleton for professional librarians and instructor employees.

Shannon Butler  
Sprott School of Business

Shawna Dolansky  
The College of the Humanities

Jane Fry  
MacOdrum Library

Richard Nimijean  
School of Indigenous and Canadian Studies

Beth A. Robertson  
Department of History
Research achievement awards

The Research Achievement Awards recognize outstanding research and are administered by the Office of the Vice-President (Research and International).

Stephen Godfrey  
Department of Physics  
*Project Title: New Directions Towards the Understanding of Dark Matter*

James R. Green  
Department of Systems and Computer Engineering  
*Project Title: Real-time Monitoring of Vibrations and Noise During Neonatal Patient Transport*

Norman Hillmer  
Department of History  
*Project Title: Canada and Peacekeeping: A Contradictory History*

Philip Kaisary  
Department of Law and Legal Studies  
*Project Title: The Haitian Revolution and Rights: Liberation, Law, Poetics*

Barbara Leckie  
Department of English Language and Literature and the Institute for the Interdisciplinary Study of Literature, Art, and Culture (ICSLAC)  
*Project Title: Unfinished: A Cultural History of Nineteenth-Century Procrastination*

Marina Milyavskaya  
Department of Psychology  
*Project Title: Motivation and Obstacles to Healthy Eating: Situation Selection or Subjective Perception?*

Luciara Nardon  
Sprott School of Business  
*Project Title: Newcomers’ Career Advancement*

Hanika Rizo  
Department of Earth Sciences  
*Project Title: Establishing a New Laboratory for the Study of Earth’s Earliest Times*

Tom Sherratt  
Department of Biology  
*Project Title: The Evolution of Flash Behavior*

Halim Yanikomeroglu  
Department of Systems and Computer Engineering  
*Project Title: CAN-UAVs 2030 -- Connected, Autonomous, and Networked UAVs towards 2030s*

CONTRACT INSTRUCTOR TEACHING AWARDS

These awards recognize teaching excellence by Contract Instructors.

Laura Ierfino-Blachford  
Sprott School of Business

Julie McCarroll  
School of Linguistics and Language Studies

Alexandra Pettit  
Department of Neuroscience

CONTRACT INSTRUCTOR TEACHING INNOVATION GRANT

This grant provides support to a Contract Instructor for investigating student learning and alternative approaches to teaching and assessing student learning at the individual, departmental, Faculty or institutional levels.

Julie McCarroll  
School of Linguistics and Language Studies

Provost Jerry Tomberlin congratulates Julie McCarroll, who received two awards at the April 2017 celebration event.
**PROVOST’S FELLOWSHIP IN TEACHING AWARD**

This award recognizes faculty and contract instructors dedicated to sustained excellence in teaching, scholarship of teaching and the continual development of teaching. Recipients are designated as Carleton University Teaching Fellows.

**Sarah Todd**  
School of Social Work

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**EXCELLENCE IN BLENDED AND ONLINE TEACHING AWARD**

This award recognizes faculty members and contract instructors whose teaching in blended and/or online environments has had an exceptional impact on student learning.

**Kevin Cheung**  
School of Mathematics and Statistics

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**NEW FACULTY EXCELLENCE IN TEACHING AWARD**

New faculty bring an energy and excitement to their teaching, often motivating those around them to challenge themselves and their practices. The Educational Development Centre developed this award to recognize those new faculty members who underscore Carleton’s commitment to teaching excellence and innovation.

**Kenta Asakura**  
School of Social Work  
**Renate Ysseldyky**  
Department of Health Sciences  
**Laura Banducci**  
College of the Humanities

---

**EXCELLENCE IN LEARNING SUPPORT AWARD**

This award recognizes Carleton University support staff members who make any extraordinary contribution to the student learning experience. Though they do not hold instructor, faculty or teaching assistant positions, these individuals positively impact student learning through their tireless work and support in labs, classrooms and many other diverse learning environments across Carleton.

**Susan Tudin**  
Research Support Services

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**PROVOST SCHOLARS**

Provost Scholar awards are given to students who are actively engaged in undergraduate research, community engagement, internationalization or immersive learning.

*Provost Jerry Tomberlin (left) and Discovery Centre Director Alan Steele (right) present Provost Scholar awards to eight students in April 2018.*
Tiny home with a big impact

Fourth-year architecture student Brigitte Martins designed an original net-zero energy tiny home research project for Prof. Scott Bucking’s Architectural Technology 1 class. As a result of this, she then worked with Prof. Bucking on a Net Zero Energy tiny home called the Northern Nomad project during the summer of 2017, a student-led project that pushed the boundaries of sustainable building design. As lead designer, Martins not only successfully completed the project, but engaged the local and national media.

“Personally, seeing concepts presented in studio and the classroom being applied in real life has exceptionally reinforced my learning,” she said. “This technically ambitious project was challenging due to the interconnected trade-offs between form and function. We aimed to create an attractive and usable space within a reduced footprint.”

Her achievement as an undergraduate student engaged in research has also earned her the NSERC Undergraduate Research Student Award and an Ottawa Association of Architecture Award for the highest overall grade in her year.

Full listing of Provost Scholar award recipients:

Baraa Arar
Faculty of Arts and Social Sciences

Summer Lewis
Faculty of Public Affairs

Brigitte Martins
Faculty of Engineering and Design

Olivia Perryman
Faculty of Science

Maximilian Polzin
Faculty of Engineering and Design

Eliana Remus
Faculty of Arts and Social Sciences

Anna-Marie Robertson
Faculty of Public Affairs

Elyn Rowe
Faculty of Science
FACULTY AFFAIRS

The Faculty Affairs team provides comprehensive advice to academic heads and administrators by managing the academic hiring process and faculty careers as well as handling honorary and visiting appointments at Carleton. The office also maintains faculty data, administers related online systems and provides regular training and reporting through Greg Skazyk, Faculty Systems Functional Analyst.

CAUBO AWARD FOR ONLINE FACULTY LEAVES APPLICATION SYSTEM

In the summer of 2017, Faculty Affairs received an honourable mention in the Quality and Productivity category at the Canadian Association of University Business Officers (CAUBO) Annual General Meeting for the innovative online Faculty Leaves system it developed and launched in 2016 in partnership with Information Technology Services.

The system modernized a time-consuming and paper-driven process that allows the university’s academics to create leave applications, review eligibility and submit applications online. This is one of three systems that Faculty Affairs launched and manages. The other systems include Faculty e-Hire (for faculty, instructors and librarians) and the Course e-Contract system (for contract instructors).

SCHOLARS AT RISK

We work to protect scholars and promote academic freedom by arranging one to two-year appointments in host departments across the university in partnership with the Scholars at Risk Network and the Institute of International Education’s Scholar Rescue Fund (IIE-SRF). Incoming academics bring their scholarly knowledge and provide a different lens through which to understand and analyze their respective subject matter. The Carleton Scholars at Risk committee oversees planning and hiring for the Scholars at Risk initiative which was started in 2014 by the Office of the Provost in collaboration with the Carleton University Academic Staff Association.

Our scholars

Prof. Rahim Surkhi

Iranian Kurd scholar Rahim Surkhi, a scholar of applied linguistics who specializes in Kurdish linguistics, spent the 2017-18 year at Carleton. His research focuses on applied linguistics, educational linguistics, language policy, discourse studies and Kurdish ethnicity and culture. Surkhi’s appointment has been extended for a second one-year term beginning Sept. 1, 2018.

Prof. Mustafa Bahran

Prof. Mustafa Bahran has accepted a one-year appointment as a visiting professor in the Department of Physics from June 1, 2018 to May 31, 2019. His research focuses on neutrino physics and physics education. Bahran will teach two half-credit courses and among other commitments, be available for student assistance in the Physics Department’s Drop-in Centre.
WELCOME TO OUR NEW FULL-TIME FACULTY, INSTRUCTORS AND LIBRARIANS

We are pleased to welcome the following faculty members to the Carleton community (as of Aug. 31, 2018).

**Faculty of Arts and Social Sciences**

**Grace Adeniyi Ogunyankin**
Assistant Professor
Pauline Jewett Institute of Women’s and Gender Studies

**Mark Anderson**
Professor
Department of History

**Janne Cleveland**
Instructor I
Department of English Language and Literature

**Tonya Davidson**
Instructor II – Department of Sociology and Anthropology

**Kelly Fritsch**
Assistant Professor
Department of Sociology and Anthropology

**Julie Garlen**
Associate Professor
Interim Co-Director (Child Studies) - Institute of Interdisciplinary Studies

**Marc Hewson**
Instructor I – Department of English Language and Literature

**David Hugill**
Assistant Professor
Department of Geography and Environmental Studies

**Marlene Lundy**
Instructor II
School of Linguistics and Language Studies

**Julie McCarroll**
Instructor I
School of Linguistics and Language Studies

**Michael Murphy**
Instructor II
School of Linguistics and Language Studies

**Donald Myles**
Instructor II
School of Linguistics and Language Studies

**Carmen Robertson**
Professor
Cross appointed to the School of Indigenous and Canadian Studies and School for Studies in Art and Culture

**Shazia Sadaf**
Instructor II
Institute of Interdisciplinary Studies

**Mami Sasaki**
Instructor I
School of Linguistics and Language Studies

**Sheryl-Ann Simpson**
Assistant Professor
Department of Geography and Environmental Studies

**Nadiya Slobodenyuk**
Instructor II
Institute of Cognitive Science

**Nassim Tabri**
Assistant Professor
Department of Psychology

**Emilie Urbain**
Assistant Professor
Department of French

**Deanna Whelan**
Instructor II
Department of Psychology

**Faculty of Engineering and Design**

**Rony Amaya**
Associate Professor
Department of Electronics

**Robin Chhabra**
Assistant Professor
Department of Mechanical and Aerospace Engineering

**Shichao Liu**
Assistant Professor
Department of Electronics

**Thomas Walker**
Assistant Professor
Department of Civil and Environmental Engineering
Faculty of Public Affairs

Rebecca Bromwich
Instructor II – Department of Law and Legal Studies

Michael Christensen
Assistant Professor
Department of Law and Legal Studies

Hannah Dick
Assistant Professor
School of Journalism and Communications

Dennis Kao
Associate Professor
School of Social Work

Sophie Marcotte-Chenard
Assistant Professor
Department of Political Science

Victoria McArthur
Associate Professor
School of Journalism and Communication

Sean Richmond
Instructor I
Department of Law and Legal Studies

Janice Tibbetts
Instructor II
School of Journalism and Communication

Faculty of Science

Ahmed El-Roby
Lecturer
School of Computer Science

Jesse Heilman
Assistant Professor
Department Physics

Martin Holcik
Professor and Chair
Department of Health Sciences

Colin Ingalls
Professor
School of Mathematics and Statistics

Majid Komeili
Assistant Professor
School of Computer Science

Charles Macdonald
Professor, Department of Chemistry
Dean, Faculty of Science

David McMullin
Assistant Professor
Department of Chemistry

Joerg Overhage
Associate Professor
Department of Health Sciences

Zachary Patterson
Instructor I
Department of Neuroscience

Amelia Rand
Assistant Professor
Department of Chemistry

Sprott School of Business

Patrick Callery
Assistant Professor

Rebecca Renfroe
Instructor III

Robert Smart
Instructor III

Bijan Toufighi
Instructor II

MacOdrum Library

Martha Attridge Bufton
Librarian I
Research Support Services

Joanne Rumig
Librarian II
Department Head
(Access Services)
CELEBRATING FACULTY PROMOTION

Promotion to the rank of Chancellor’s professor

Prof. Qijun Zhang was recently appointed to the rank of Chancellor’s professor, a prestigious rank reserved for highly esteemed faculty members whose research activities have been and continue to be of outstanding merit with substantial international impact.

Zhang is a professor in the Faculty of Engineering and Design’s Department of Electronics.

“It’s a great honour to be awarded Chancellor’s Professor and I thank the university and the Provost for giving me this award,” he said. “I feel very fortunate that I get to work in a very stimulating research environment at Carleton where I have the very valuable freedom to define my research direction and to be able to research exactly what I would like.”

Zhang researches high-frequency electronic and electromagnetic modeling and design and is developing new techniques for modelling electronics.

Promotion to the rank of professor

(As of July 1, 2018)

Mark Boulay
Research areas: Experimental particle physics
Department of Physics
Faculty of Science

Alan Cai
Research areas: Supply chain management, quality management, e-commerce
Sprott School of Business

Xiaobei Chen
Research areas: Theorizing of citizenship, governance, identity, and cultural politics in Canadian and Chinese national and transnational contexts; the child and the construction of modernity; diaspora studies; governmentality; feminist theory; post-colonialism
Department of Sociology and Anthropology
Faculty of Arts and Social Sciences

Jane Dickson
Research areas: Indigenous peoples, social and criminal justice; Gladue and sentencing; community/restorative justice; specific claims
Department of Law and Legal Studies
Faculty of Public Affairs
Jason Ettele
Research areas: Rocket based combined cycle engines; UAV analysis/simulation using CFD; low cost space launch systems; aerodynamics and flight mechanics; hypersonic/high speed flows; plasma simulation
Department of Mechanical and Aerospace Engineering
Faculty of Engineering and Design

Hanspeter Frei
Research areas: Biomechanics; orthopaedic implant design and analysis, additive manufacturing
Department of Mechanical and Aerospace Engineering
Faculty of Engineering and Design

Joshua Greenberg
Research areas: Risk communication; crisis and reputation management; health communication; public relations; citizen engagement; public consultation.
School of Journalism and Communication
Faculty of Public Affairs

Stephan Gruber
Research areas: Permafrost and related phenomena in high-latitude and high-elevation environments
Department of Geography and Environmental Studies
Faculty of Arts and Social Sciences

Sheryl Hamilton
Research areas: Popular culture of public health and disease; the cultural studies of law; sensory studies
Cross appointed to the Department of Law and Legal Studies and School of Journalism and Communication
Faculty of Public Affairs

Minyi Huang
Research areas: Mean field stochastic control, stochastic algorithms in multi-agent systems, wireless networks
School of Mathematics and Statistics
Faculty of Science

Elyn Humphreys
Research areas: Exchange of carbon, water vapour and energy between ecosystems and the atmosphere, and the effects of natural and human-induced disturbances on soil-plant-atmosphere interactions
Department of Geography and Environmental Studies
Faculty of Arts and Social Sciences
Gunnar Iversen
Research areas: Film history with an emphasis on Scandinavian and Norwegian cinema, documentary and early and silent cinema; sound in film and television.
School for Studies in Art and Culture
Faculty of Arts and Social Sciences

Barbara Leckie
Research areas: Nineteenth-century print culture; climate change; impact of cultural forms and representations on social and political change and knowledge production.
Cross appointed to the Department of English Language and Literature and the Institute for the Comparative Study of Literature, Art and Culture
Faculty of Arts and Social Sciences

Ashraf Matrawy
Research areas: Network security and trust; secure virtualized infrastructure architectures; security in 5G and IoT environments
School of Information Technology
Faculty of Engineering and Design

Paul Mezo
Research areas: Representations of algebraic and metaplectic groups; Langlands program; trace formula comparisons; endoscopy
School of Mathematics and Statistics
Faculty of Science

Abhijit Sarkar
Research areas: Dynamics, probabilistic mechanics, uncertainty quantification, linear/non-linear solvers for stochastic finite element methods, high performance computing, Bayesian inference/learning, nonlinear filtering for large-scale systems.
Department of Civil and Environmental Engineering
Faculty of Engineering and Design

Patrice Smith
Research areas: Traumatic brain injury, stroke, Parkinson’s disease, nervous system regeneration and repair
Department of Neuroscience
Faculty of Science

Marcel-Cristian Voia
Research areas: Micro-econometrics; applied econometrics in industrial organization, political economy, labour economics, health, energy
Department of Economics
Faculty of Public Affairs
Promotion to the rank of associate professor
(As of July 1, 2018)

Faculty of Arts and Social Sciences

Malini Guha
School for Studies in Art and Culture

Andrea Howard
Psychology

Eva Kartchava
School of Linguistics and Language Studies

Pablo Mendez
Geography and Environmental Studies

Amrita Hari
Pauline Jewett Institute of Women’s and Gender Studies

Megan Rivers-Moore
Pauline Jewett Institute of Women’s and Gender Studies

Jesse Vermaire
Geography and Environmental Studies (cross-appointed to the Institute of Environmental Science)

Laura Horak
School for Studies in Art and Culture

andrea howard
Psychology

Amrita Hari
Pauline Jewett Institute of Women’s and Gender Studies

Pablo Mendez
Geography and Environmental Studies

andrea howard
Psychology

Laura Horak
School for Studies in Art and Culture

Megan Rivers-Moore
Pauline Jewett Institute of Women’s and Gender Studies

Jesse Vermaire
Geography and Environmental Studies (cross-appointed to the Institute of Environmental Science)

Psychology

EvA KArtchAva
School of Linguistics and Language Studies

Laura Horak
School for Studies in Art and Culture

Malini Guha
School for Studies in Art and Culture

Andrea Howard
Psychology

Eva Kartchava
School of Linguistics and Language Studies

Pablo Mendez
Geography and Environmental Studies

Amrita Hari
Pauline Jewett Institute of Women’s and Gender Studies

Megan Rivers-Moore
Pauline Jewett Institute of Women’s and Gender Studies

Jesse Vermaire
Geography and Environmental Studies (cross-appointed to the Institute of Environmental Science)

Faculty of Engineering and Design

Oren Petel
Mechanical and Aerospace Engineering

Andrew Speirs
Mechanical and Aerospace Engineering

Steve Ulrich
Mechanical and Aerospace Engineering

andrew speirs
Mechanical and Aerospace Engineering

Oren Petel
Mechanical and Aerospace Engineering

Andrew Speirs
Mechanical and Aerospace Engineering

Steve Ulrich
Mechanical and Aerospace Engineering

andrew speirs
Mechanical and Aerospace Engineering

Faculty of Public Affairs

Mehdi Ammi
School of Public Policy and Administration

Sebastien Malette
Law and Legal Studies

Alberto Salazar
Law and Legal Studies

Stacy Douglas
Law and Legal Studies

Konstantinos Metaxoglou
Economics

Eric Stephens
Economics

Martin Geiger
Political Science; Institute of European, Russian, and Eurasian Studies

Valerie Percival
Norman Paterson School of International Affairs

Radovan Vadovic
Economics

Nathan Grasse
School of Public Policy and Administration

Jennifer Robson
Arthur Kroeger College of Public Affairs

Jennifer Robson
Arthur Kroeger College of Public Affairs

Faculty of Science

Emily Heath
Physics

Abbas Momeni
School of Mathematics and Statistics

Jesse Vermaire
Geography and Environmental Studies (cross-appointed to the Institute of Environmental Science)

Michael Hildebrand
Neuroscience

Sangeeta Murugkar
Physics

Sprott School of Business

Ahmed Doha

Lindsay McShane
DISCOVERY CENTRE FOR UNDERGRADUATE RESEARCH AND STUDENT ENGAGEMENT

The Discovery Centre is a 9,500 square foot collaborative work space for undergraduate research. This dynamic learning environment is outfitted with ergonomic, accessible and stylish furniture as well as state-of-the-art technology. Complete with three Library Laboratories (Gaming, Learning, Multi-Media) available for student and faculty use, this multi-purpose space can be adapted to suit a wide range of needs.

UNDERGRADUATE RESEARCH

Internship-Carleton University Research Experience for Undergraduate Students (I-CUREUS)

I-CUREUS offers students funding for faculty-supervised research. Students benefit from valuable exposure to research techniques for future work, connections with professors who can act as academic mentors and the possibility of gaining experience by writing a research paper under faculty supervision. This year, I-CUREUS placed 45 students with researchers.

Carleton University Research Opportunity

In 2017, the Carleton University Research Opportunity (CUROP), gave undergraduate students an opportunity to spend 13 weeks of their summer working full-time with a Carleton researcher. Administered through the Discovery Centre, CUROP supported 42 students to engage in a variety of research projects. This work experience was financially supported by the student's Faculty, the Office of the Vice-President (Research and International) and the Office of the Provost and Vice-President (Academic). This past summer, the Offices of the Provost, and Vice-President (Research and International) continued to offer financial support to students engaged in summer research programs across all Faculties.
Conference support
Discovery Centre Administrator Aleksandra Minic accompanied nine students at the Inquiry@Queen's Undergraduate Research Conference hosted by Queen's University in March 2018. The Discovery Centre also supported six students to attend and present research work at the National Conference on Undergraduate Research (NCUR) at the University of Central Oklahoma in April 2018. They were accompanied by Librarian Valerie Critchley.

FURNITURE AND TECHNOLOGY UPDATES
Furniture and technology was updated in the Discovery Centre this year. We replaced technology, installed new furniture, repainted and added additional power outlets.

SHAD NETWORK
We offered continued support of the SHAD Network, an enrichment and entrepreneurship program that brought 60 exceptional high school students from across Canada together at Carleton in July 2018.

Provost Jerry Tomberlin (left) and President Benoit-Antoine Bacon (right) met with students during SHAD Open Day to learn more about their projects for this year’s Resiliency in Natural Disasters theme.
OFFICE OF THE VICE-PROVOST AND ASSOCIATE VICE-PRESIDENT (ACADEMIC)

The Office of the Vice-Provost has two major university-wide responsibilities: advancing the strategic academic initiatives of the university and academic quality assurance. The office partners with units across the university in developing and enhancing programs to provide students with a superior educational experience. It has been a privilege over the past year to learn about all of the great initiatives that are underway across the campus and to work with the exceptionally dedicated team in the Office of the Vice-Provost.

Experiential Learning

Experiential learning has long been important at Carleton. It features prominently in Carleton’s Strategic Integrated Plan, our Teaching and Learning Framework and our Strategic Mandate Agreement with the provincial government.

In September 2017, the Ministry of Advanced Education and Skills Development (MAESD) issued its “Guiding Principles for Experiential Learning” indicating their commitment to “ensuring that every student has at least one experiential learning activity by the time they graduate from a publicly funded postsecondary institution.” An initial audit of Carleton programs showed that 75% of our undergraduate programs already include experiential learning in their core curriculum; however, additional experiential learning opportunities need to be developed. In order to meet the Ministry’s goal, an Experiential Learning Steering Committee was formed under the direction of the Vice-Provost with the mandate to enhance the integration of experiential learning opportunities into the curriculum.

Experiential learning is the application of theory and academic content to real-world experiences within the classroom, the community or the workplace. It may be undertaken independently or
in teams. It advances learning outcomes and encourages reflection and application of skills and knowledge in contexts that prepare students for the workplace and civil society. Research shows that experiential learning contributes to student engagement, deeper learning, improved academic outcomes and enhanced work and life skills.

Under the guidance of the Experiential Learning Steering Committee, a number of initiatives have been undertaken this year:

- The first task the committee undertook was to identify what kinds of activities constitute experiential learning. Experiential learning takes many forms and can take place both inside and outside of the classroom. Twelve types of experiential learning were identified at Carleton ranging from applied research projects to service learning. The complete list of types of experiential learning and their definitions can be found on the Provost’s website: carleton.ca/provost/experiential-learning.

- Carleton has been participating with seven other universities in a pilot project on tagging undergraduate courses for experiential learning. Tagging courses involves identifying which courses provide experiential learning activities so that universities can report these activities to the Ministry. The goal of the pilot is for the participating universities to make recommendations to the Ministry on the best methods of reporting experiential learning. Four undergraduate programs in the Faculty of Public Affairs participated in the pilot project. The sharing of learning between universities participating in the pilot project has been valuable in shaping Carleton’s strategy and will also inform a report being prepared by the Council of Ontario Universities Task Force on Quality Indicators. Once completed, this report will be shared with the Ministry.

- Changes have been implemented in the CourseLeaf Curriculum Management System to identify which courses include experiential learning. When curriculum changes are being entered into the system for the 2019-20 calendar cycle, users will be asked to indicate if the course includes experiential learning, and if so, the dominant method of experiential learning employed. The Office of the Vice-Provost is working with curriculum committees to backfill the information for approximately 6,000 courses across campus for courses that are not being changed. Once all courses have been tagged in CourseLeaf, we will be able to link these data with Banner registration date to report on what proportion of students have engaged in experiential learning activities and how many courses they have taken that include these activities. It will also allow us to incorporate information on experiential learning in future calendars.

- The steering committee has also recommended a new Degree Level Expectation (DLE) on experiential learning. This Carleton DLE would be in addition to the DLEs stipulated by the province. The proposed DLE states that:

> Every student will demonstrate the ability to reflect on purposeful learning experiences and apply practical skills and knowledge in appropriate contexts that prepare students for the workplace and civil society.

The purpose of the DLE is to signal the importance of experiential learning to the Carleton educational experience and to ensure that all programs include experiential learning in their learning outcomes and curriculum maps. Deliberations on the proposed DLE will take place in the fall of 2018 and will involve Faculty boards across campus and University Senate.

- In October, the Office of the Vice-Provost will co-sponsor a campus-wide Symposium on Experiential Learning with Teaching and Learning Services to profile some of the experiential learning activities already underway at Carleton and inspire other faculty to experiment with innovative approaches.
SPOTLIGHT ON EXPERIENTIAL LEARNING: FROM BUCKETS TO RAIN BARRELS

An interdisciplinary approach to sustainable clean water in Tanzania

For the past four years, students and faculty from the Sprott School of Business and the Faculty of Engineering and Design have been working together with residents of Longido and TEMBO, a Canadian NGO in Tanzania, to address this issue. This interdisciplinary project called From Buckets to Rain Barrels is led by Sprott’s Troy Anderson, alongside Onita Basu and Bjarki Hallgrimsson from the Faculty of Engineering and Design. The project earned Carleton the 2017 David Gillingham Award from the Network of International Business Schools.

Building upon work done in previous years, business students enrolled in BUSI 3117 work in interdisciplinary teams with students in Engineering and Industrial Design to develop solutions for sustainable water resources in rural Tanzania. Students spend two weeks on the ground in Tanzania’s Longido region where they conduct research, consult with village leaders and test prototypes.

CURRICULUM DEVELOPMENT

Two new programs were approved by the Quality Council in 2017-18: the Bachelor of Science in Interdisciplinary Science and Practice, and the Master of Science in Management.

B.SC. IN INTERDISCIPLINARY SCIENCE AND PRACTICE

The B.Sc. in Interdisciplinary Science and Practice integrates concepts and knowledge from different science disciplines and applies them to real world problems using local and global perspectives. This program innovates the conventional science curriculum to entrench the principles and practice of interdisciplinarity. Program graduates will be well prepared to balance specialized technical knowledge with the transferable skills of critical thinking and problem solving, teamwork and science communication.

The program was developed with the goal of providing students with a unique learning experience. From their first year, students will participate in seminar courses which will orient them to community or citizen science projects and will engage with their peers and connect to the community beyond the classroom. Students will be exposed to a broad base of scientific fundamentals and learn about science communication, data and knowledge synthesis and collaboration with diverse partners.

The program has adopted a learner-centered, experiential pedagogy to reach across disciplines and into the community. It will build on collaborations with Indigenous groups to introduce students...
to different ways of knowing. It will also use citizen science and peer-to-peer science models as innovative means to demystify science through effective communication, to build bridges between our students and the community, and to engage students and community in forging new models of critical analysis. Throughout each course, students will navigate the theory and practice of interdisciplinarity to strengthen their capacity for collaboration, critical inquiry and science communication.

**MASTER OF SCIENCE IN MANAGEMENT**

The M.Sc. in Management program at the Sprott School of Business focuses on a unique set of goals that differentiate this program from other M.Sc. Management programs in Ontario. The underlying goals of the program emphasize research knowledge, an interdisciplinary approach, communication and professionalism.

Students will pursue research questions generated by complex problems faced by organizations. Students will draw on knowledge from multiple disciplinary areas within the School, and may also draw from other departments in the University as warranted. The program also prioritizes effective communication, recognizing that research effectively communicated will have a greater probability of realizing the intended impact.

The M.Sc. in Management program will make full use of Carleton’s “Capital Advantage”. Ottawa is home to many federal government departments, which are interested in using research in developing public policy, as well as many non-governmental organizations. Sprott’s faculty members also have significant research relationships with a wide array of organizations. This, combined with the interdisciplinary and problem-solving focus of the program, will provide opportunities for workplace learning, including spending time in industry internships and enhanced experiential opportunities.

Students graduating from the M.Sc. in Management program will have the advanced analytical and subject matter skills demanded of management consultants and analysts. Graduates will be well placed to fill the projected gaps in the availability of such specialists across North America and worldwide. The program is focused on attracting high achieving domestic students who eventually want to pursue a Ph.D. in Management, or currently work in or intend to pursue research-oriented work in practice.

**CYCLICAL PROGRAM REVIEWS AND MAJOR MODIFICATIONS TO EXISTING PROGRAMS**

In 2017-2018, eight cyclical program reviews were completed: B.A. & M.A. in Music, B.A. & M.A. in Art History, B.A. in History and Theory of Architecture, B.Sc. in Food Science, B.A. in Human Rights, and B.A. in Religion. All programs were judged to be of good quality with external reviewers providing many positive comments. In addition, 29 major program modifications were approved by Senate, including:

- Adding a specialization in Data Science to the M.A. in Psychology, M.A. in History, and M.I.T. in Digital Media programs;
- A concentration in Health Sciences in the Bachelor of Journalism;
- A concentration in Biodiversity, Natural History and Conservation in the Bachelor of Science in Biology; and
- A concentration in Global Religions in the Bachelor of Global and International Studies.
OUTREACH

We have been examining ways to improve the university’s Institutional Quality Assurance Process, receiving feedback at the Academic Heads Roundtable and consulting with Chairs and Directors in each of the Faculties to obtain feedback on the cyclical program review (CPR) process. Current enhancements underway related to the CPR include:

- Working with the Office of Institutional Research and Planning to use the National Survey of Student Engagement and Canadian Graduate and Professional Survey data to replace the need for customized student surveys and to revise the type, quantity and layout of the data distributed to the units;
- Reviewing and revising the CPR template;
- Creating a resource guide to accompany the CPR template;
- Moving to midway reporting for units in the monitoring phase of the CPR; and
- Working with accredited programs to align the CPR and accreditation processes.

Other work being done in terms of outreach and process changes in Quality Assurance include:

- Developing a workshop with the Educational Development Centre to demonstrate to faculty how program-level learning outcomes can be used to facilitate effective course design.
- Holding drop-in sessions for units working on their CPR and other Quality Assurance issues.
- Working with units entering their second CPR under the new process to support the assessment of learning outcomes.
- Improving our internal processes so units have increased awareness of the status of their file throughout the Quality Assurance process.
- Continuing to work with Information Technology Services regarding a Quality Assurance tracking system.
- Developing content and videos related to common Quality Assurance questions to populate our intranet site which is scheduled for launch in Fall 2018.

ACADEMIC HEADS ROUNDTABLE

During 2017-18, Vice-Provost and Associate Vice-President (Academic) Lorraine Dyke and Samah Sabra, Professional Development Officer in the Office of Quality Initiatives, organized sessions for academic leaders. Although primarily focused towards academic unit chairs and directors and library heads, the deans and associate deans are also included in the meetings. Session topics included Cyclical Program Review; Research Support, Recognition and Reputation; Getting to Know HR Partners and the Renewed CUPE 2424 Agreement; Engaging with Indigenous Perspectives in Teaching and Research; and a presentation by President Benoit-Antoine Bacon on Carleton’s vision, values and priorities for the coming year.
TEACHING AND LEARNING SERVICES

Teaching and Learning Services (TLS) fosters and cultivates engagement, innovation and excellence in teaching and learning. Its three units – Carleton University OnLine (CUOL), the Educational Development Centre (EDC), and Instructional Media Services (IMS) – support Carleton University’s core mission by promoting outcomes-oriented, high-impact teaching practices that foster deep, lifelong learning and, ultimately, student success.

All statistics in this section covers Summer 2017, Fall 2017 and Winter 2018 unless otherwise noted.

ASSOCIATE VICE-PRESIDENT (TEACHING AND LEARNING)

After nearly six years of dedicated and caring service, Prof. Joy Mighty is stepping down as Associate Vice-President (Teaching and Learning). She developed Carleton’s first teaching and learning framework as well as mechanisms to support its implementation and has been a passionate advocate for the adoption of high-impact practices, experiential learning research into teaching.

During her tenure as AVPTL, three of Carleton’s faculty members won Canada’s most prestigious provincial and national higher education teaching awards. She has raised Carleton’s teaching and learning profile internally and externally through her extensive publications, invited keynotes and presentations.

In describing Joy’s impact on the national and international community around teaching and learning, her colleagues note her ability to build bridges between and among groups and individuals, her fairness in all her interactions, and her ongoing dedication to inclusivity, such that everyone who interacts with her comes away with a strong sense that their ideas were both heard and valued.

EXTERNAL TEACHING AWARDS SUCCESS

Carleton has a long history of teaching excellence, but this past year saw unprecedented success as a number of our faculty members and instructors were honoured with significant internal and external awards.

Prof. Alan Steele (Electronics; Director, Discovery Centre) was recognized with a 3M National Teaching Fellowship, Canada’s most prestigious award for excellence in post-secondary education.

Prof. Jesse Stewart (School for Studies in Art and Culture, Music) received the international D2L Innovation Award in Teaching and Learning, which celebrates instructors who redefine the learning experience through innovative practices and exceptional everyday teaching.
Prof. Mira Sucharov (Political Science) was named one of Ontario’s most outstanding university teachers by the Ontario Confederation of University Faculty Associations.

For their contributions to academic and community excellence, Profs. Diana Majury (Law and Legal Studies) and Jeff Manthorpe (Chemistry), as well as Brenda Morris (practicum coordinator, School of Social Work), were recognized with the Ottawa Centre 150 Award.

Prof. Melanie Adrian (Law and Legal Studies) was recognized for her academic and volunteer work with a Senate 150th Anniversary Medal and a Leading Women Building Communities Award, which celebrates women who demonstrate exceptional leadership in working to improve the lives of others in their communities.

Learn more about our outstanding educators:
carleton.ca/teachinglearning/awards/carletons-teaching-award-winners

Teaching and Learning Services established Raving Ravens to acknowledge the many hidden examples of teaching excellence that take place every day on our campus. Students can send a short postcard (i.e., a Raving Raven) to professors, librarians and learning support staff who they feel have gone above and beyond to make a significant impact on their experience at Carleton. To date, more than 175 students have sent their gratitude to 138 instructors.

SCHOLARSHIP OF TEACHING AND LEARNING

In January 2018, Teaching and Learning Services initiated the Scholarship of Teaching and Learning grant program, making four internal grants available to Carleton’s educators. The grant program enables faculty members and contract instructors to develop and redesign their courses, conduct scholarly investigations of all aspects of teaching and learning and attend conferences to disseminate knowledge and further develop their skills.
Recently funded projects include:

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<thead>
<tr>
<th>Project</th>
<th>Principal Investigator(s)</th>
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<tbody>
<tr>
<td>The effects of using mobile classroom response system on students’ engagement and performance.</td>
<td>Prof. Kevin Hamdan (Geography and Environmental Studies)</td>
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<tr>
<td>Developing an online interactive tool and redesign in-class learning activities.</td>
<td>Prof. Véronic Bézaire (Chemistry)</td>
</tr>
<tr>
<td>The effects of using mobile classroom response system on students’ engagement and performance.</td>
<td>Prof. Melanie Adrian (Law and Legal Studies)</td>
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<td>Multiple-choice exams: An opportunity for active learning?</td>
<td>Prof. Pamela J. Walker (History)</td>
</tr>
<tr>
<td>Exploring academic buoyancy among university students: A literature review.</td>
<td>Prof. Kim Hellemans (Neuroscience)</td>
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<td>Developing Reacting to the Past game for women's history courses.</td>
<td>Prof. Beth A. Robertson (History)</td>
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<tr>
<td>Visit several NGOs in Geneva, Switzerland to gather materials for course on “Bodies, Diversity, and Technologies”.</td>
<td>Prof. Christopher Cox (School of Linguistics and Language Studies)</td>
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<tr>
<td>Bringing collaboration into the classroom: Community service learning in university-based language documentation courses.</td>
<td>Prof. Ernest Kwan and Irene Lu (Sprott School of Business), with Yan Liu (University of British Columbia)</td>
</tr>
<tr>
<td>Developing Vector Plot: A tool for teaching statistics.</td>
<td>Prof. Mira Sucharov (Political Science)</td>
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<tr>
<td>Op-ed Writing and social media engagement: A guide for students and scholars.</td>
<td>Prof. Lois Frankel and Claudie St. Arnaud (School of Industrial Design)</td>
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<tr>
<td>Re-design of the Department of Music’s digital audio production curriculum to include experiential learning.</td>
<td>Prof. Paul Jasen (Music)</td>
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<tr>
<td>Evaluating Artificial Intelligence (AI)-based simulation in teaching social work practice.</td>
<td>Profs. Kenta Asakura and Sarah Todd (School of Social Work)</td>
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<tr>
<td>Development and beta testing of the new digitization seminar for students in the Department of History to provide hands-on experiential learning.</td>
<td>Prof. Marc Saurette (History)</td>
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<tr>
<td>Travel Grants</td>
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<tr>
<td>cuPortfolio integration in classes.</td>
<td>Prof. Tracy Hodgson-Drysdale (School of Linguistics and Language Studies)</td>
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<tr>
<td>Teaching science writing informed by SFL: A continuum of learning.</td>
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<tr>
<td>Integrated information rich engineering course design.</td>
<td>Prof. Shermeen Nizami (Systems and Computer Engineering)</td>
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</table>

**External funding**

In addition to providing grants, TLS was awarded two grants for projects related to teaching and learning. The first project, funded by eCampusOntario, examined the possibility of their organization developing and offering a Certificate in Online Teaching. A report was prepared in collaboration with the University of Waterloo, Ryerson University and the University of Ottawa.
The second project, funded by the Society for Teaching and Learning in Higher Educations’ Educational Developers Caucus, examined faculty attitudes towards high-impact educational practices, the ways in which they incorporate them into their teaching and barriers that prevent faculty from integrating them.

TEACHING DEVELOPMENT

The core services at TLS directly support teaching practices at Carleton. Key initiatives include certificate programs in university teaching, new faculty and contract instructor orientations, teaching assistant development and consultations associated with teaching (including the integration of teaching technologies).

The various certificate programs, including Carleton’s signature Certificate in University Teaching, are comprised of more than 30 hours of classroom learning activities. Last year, 46 faculty and instructors completed the program, with waiting lists for each session in the fall, winter and summer. Over 550 faculty registered in 46 workshops offered by TLS and the department provided more than 3,400 consultations, covering all facets of teaching and learning.

TLS offered extensive support for teaching assistants through 81 workshops that had 1,436 total registrations. TLS and the Faculty of Graduate and Postdoctoral Affairs’ joint TA mentorship provided 83 additional workshops with nearly 1,000 registrations.

ELEARNING

Continued growth of online learning

Carleton has experienced very significant growth in online learning and now offers four fully online professionally-oriented programs, as well as nearly 200 online courses. The number of students completing online courses has also dramatically increased (an increase of 45 per cent since 2013-14).

Over the last year, TLS encouraged and supported the development of strategic online courses by establishing a course development fund. This fund supports online courses that departments and deans identify as being important to their faculty or departmental academic plans. Funding supported courses in the Department of History, the College of the Humanities and the Sprott School of Business.

Carleton has also received $2.2-million over the last four years to develop 37 courses, e-textbooks and modules from ecampusOntario, making Carleton the third most funded institution in Ontario.

Expanding blended learning

In the Spring of 2018, TLS launched its Blended Learning Initiative. Already at capacity, 10 instructors from a variety of disciplines received $5,000 each to support their blended learning projects. Blended courses have the potential to combine the best of online, classroom-based and experiential learning to enrich the student learning experience as well as the teaching experience for the instructor. The initiative provides a unique opportunity for instructors to learn in a community of practice with like-minded educators.
LEARNING SPACES IMPROVEMENT AND EVALUATION

Evergreening

In collaboration with Facilities Management and Planning, TLS completed learning space improvements in 22 classrooms totalling $1.5-million. This included replacing and upgrading teaching technologies, furniture and lighting, with the most significant upgrade being new seating in Southam Hall Theatre B (KM Theatre).

Guiding principles and space evaluation

TLS developed guiding principles to support the renewal and development of learning spaces at Carleton. These principles include:

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<tr>
<th></th>
<th>Guiding Principles</th>
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<tbody>
<tr>
<td>01</td>
<td>Encourage student centered-pedagogical approaches by ensuring that the environment facilitates communication, collaboration and interaction between learners and between instructors and learners.</td>
</tr>
<tr>
<td>02</td>
<td>Must support the diversity of the Carleton community (students, instructors, staff and the general public) in terms of ensuring equal access to its environment. This includes the physical and technological elements of the classroom.</td>
</tr>
<tr>
<td>03</td>
<td>Be adaptable and flexible to accommodate the diverse pedagogical approaches that are available to instructors. This includes ensuring both individual and collaborative activities by learners.</td>
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<tr>
<td>04</td>
<td>Be designed, configured and supported holistically. Many elements must come together to ensure an inviting and effective learning space.</td>
</tr>
<tr>
<td>05</td>
<td>Teaching and learning takes place inside and outside of the physical environment of Carleton. Classrooms should encourage and act as bridges for experiential, community-orientated pedagogies, and other learning activities and practices which take place outside the classroom.</td>
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All of Carleton’s 155 classrooms were evaluated with respect to the above guidelines and for overall quality. The evaluation identified areas of concern as well as classrooms where only minimal changes could be made to dramatically improve the quality of the learning environment.

Carleton’s Teaching and Learning Council is comprised of 33 students, staff and faculty from across the university. The council’s five action teams work to create change by enhancing student engagement and promoting learning and success. The action teams are working in the following areas:

<table>
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<tr>
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<th>Areas of Focus</th>
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<tbody>
<tr>
<td>01</td>
<td>Pedagogy, technology and learning spaces</td>
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<tr>
<td>02</td>
<td>Experiential learning</td>
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<tr>
<td>03</td>
<td>Student engagement and satisfaction</td>
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<tr>
<td>04</td>
<td>Scholarship of teaching and learning</td>
</tr>
<tr>
<td>05</td>
<td>Diversity, equity and inclusion</td>
</tr>
</tbody>
</table>

The action teams have shared their progress at on-campus events and external conferences, such as the Society for Teaching and Learning in Higher Education’s annual conference. Some highlights of their work include identifying and evaluating the types of tools students use to support their learning, developing a comprehensive experiential learning website and toolkit, and a student engagement checklist for instructors.
FACULTY OF ARTS AND SOCIAL SCIENCES

Excellent universities meet the challenge of maintaining both a transcendent commitment to knowledge, learning and the pursuit of truth and an acute awareness of the contemporary environments—local, national and global—in which they do their work. In 2017-18, the Faculty of Arts and Social Sciences (FAss) continued to meet this challenge as evidenced through student success, community engagement and research accomplishments.

STUDENT EXCELLENCE

FAss sets high standards and ambitious goals for students. 2017-18 featured many extraordinary FAss student achievements:

Michelle MacQueen, a master’s student in the Music and Culture program, was a top 25 national finalist of the Social Sciences and Humanities Research Council’s Storyteller competition. MacQueen’s entry, Critical Constructions of Canadianness: The Tragically Hip and Representations of Canadian Identity, examines the iconic rock band and Canadian identity.

Trycia Bazinet, a PhD student in the School of Indigenous and Canadian Studies, conducts research to expose the affective, intimate and emotional components of the structure of white settler colonialism. In 2018, she won a Vanier Award valued at $50,000 per year for three years.

Barâ Arar, an undergraduate student in the College of the Humanities, is a prominent public activist and co-founder and co-host of the popular podcast The Watering hole, which interviews artists and activists from across the globe. This year, Arar received a FAss Undergraduate Research Award for her research on representations of Algerian women in art.

MAKING MEANINGFUL CONNECTIONS

FAss continued to fulfill its role as the centre of cultural life on campus, building connections across the campus and with communities beyond the campus through the following exciting initiatives:

The Dominion Chalmers Building was acquired by Carleton University, and FAss will drive programming in this heritage facility. This venue is a favourite for music and literary festivals, community choirs and orchestras. The opportunities made possible by the acquisition include plans for a Performance in the Public sphere program that will involve faculty from History, Film, English and Drama, and Music.

CU in the City is a lecture series that brings compelling researchers to diverse locales across Canada in an accessible context. Some highlights include Prof. Matthew Bellamy’s (History) talk “Under the influence: How Labatt and its allies brewed up a nation of beer drinkers” (Gladstone Hotel, Toronto), Profs. Peter Coffman and Andrew Waldron’s (Art History) “Built Ottawa: Our places, our stories” (Dominion Chalmers Church, Ottawa) and Prof. Dan Irving’s (Institute of Interdisciplinary Studies) “Depressed economies: Transgender un/deremployment, affective labour and revitalizing labour activism in austere times” (Bronson Community Centre, Ottawa).
Carleton University Art Gallery maintained its tradition of holding amazing exhibitions, many curated by Carleton students and faculty, and nationally recognized contributors. Many of these are incorporated into experiential learning experiences for students, such as *Robert Houle: Pahgedenaun*, which represented an outstanding teaching moment about residential schools.

**Minding the Brain Podcast** was launched and features award-winning Carleton Profs. Kim Hellemans and Jim Davies who interview each other and other experts about a different topic every month. In 2018, Minding the Brain worked in concert with the Canadian Museum of Nature for three episodes related to their speaking series and exhibit *Brain: The Inside Story*.

**RESEARCH ACHIEVEMENTS**

FASS faculty members conduct innovative and rigorous research in many fields of inquiry ranging from the geography of the Arctic to the great religions of Asia and from the individuality of the human personality to the universality of human expression in the arts and literature. FASS success rates for Insight Development Grants, and Partnership Development Grants significantly exceeded national standards in 2017-18. Some highlights include:

**Prof. Audra Diptee** (History) won a 2018 Rockefeller Foundation Bellagio Centre Residency Fellowship in Italy.

**Chancellor’s Prof. Chris Burn** (Geography and Environmental Studies) was awarded the rare designation of a Higher Doctorate of Science (D.Sc.) in Geography from Durham University in the United Kingdom.

**Prof. Aboubakar Sanogo** (Film Studies) formalized a partnership on the African Film Heritage Project with The United Nations Educational, Scientific and Cultural Organization, and Martin Scorsese’s Film Foundation World Cinema Project.

**Prof. Shireen Hassim** (The Institute of African Studies), a specialist in Gender and African Politics, will join Carleton as a winner of a prestigious Canada 150 Research Chair position.

**Prof. Marina Milyavskaya** (Psychology) received an Ontario Early Researcher Award.

**Prof. Joshua Shepherd** (Philosophy) received a 1.06-M Euros European Research Council Starting Grant for his project entitled Rethinking Conscious Agency.

**TEACHING AND LEARNING DISTINCTIONS**

FASS continued to offer innovative learning opportunities to students through new programs, such as the Curatorial Studies Graduate Diplomas which offer students opportunities to explore a wide range of museological and curatorial issues. These programs grew from Carleton’s strong relationships with galleries, museums, and festivals in the National Capital Region.

The **Bachelor of Global and International Studies** continued to flourish as a highly in-demand, innovative and multi-disciplinary program and added new specialized streams: Teaching English in Global Contexts; French and Francophone Studies; and Global Genders and Sexualities.
FACULTY OF ENGINEERING AND DESIGN

RESEARCH EXCELLENCE

Prof. Paul Simms (Environmental Engineering) was awarded $2-million over the next four years through the Natural Sciences and Engineering Research Council (NSERC)’s Collaborative Research and Development (CRD) Program to help Manage Oil sands Tailings.

Prof. Adrian Chan (Systems and Computer Engineering) launched Carleton’s Research and Education in Accessibility, Design, and Innovation training program, the first of its kind in Canada, after receiving a $1.65-million grant through NSERC Collaborative Research and Training Experience (CREATE) program.

Prof. Richard Yu (Information Technology) secured $974,000 from the Canadian Safety and Security Program, (a federal program led by National Defence’s Science and Technology organization in partnership with Public Safety Canada) to study how we can secure connected and autonomous vehicles.

Twenty-seven faculty members were awarded a combined total of $3.92-million under NSERC’s Discovery Grant and Discovery Accelerator Supplement Programs in 2017.

The Canada Foundation for Innovation and the Ontario Research Fund awarded a combined total of $463,600 to four faculty members (Profs. Shulabh Gupta, Xiaoyu Wang, Onita Basu and Ioannis Lambadaris) in support of their respective research initiatives.

Prof. Mohamed Ibnkahla (Systems and Computer Engineering) was named the NSERC/Cisco Industrial Research Chair in Sensor Networks for the Internet of Things.

Prof. Jacques Albert (Electrical Engineering) was renewed as the Canada Research Chair in Advanced Photonic Components (Tier 1).

SELECTED AWARDS AND ACHIEVEMENTS – FACULTY AND STUDENTS

Prof. Richard Yu (Information Technology) was named a Fellow of the Institute of Electrical and Electronics Engineers (IEEE) for his contributions to mobility management and radio resource allocation in mobile wireless networks.

Prof. Amir Banihashemi (Systems and Computer Engineering) won the 2017 IEEE Ottawa Section Outstanding Engineer Award.

Prof. Winnie Ye (Electrical Engineering) was the recipient of the 2018 WIE Inspiring Member of the Year Award.

Prof. Ye was also awarded an OPEA Engineering Medal in Research and Development by Professional Engineers Ontario.

Prof. Gabriel Wainer (Systems and Computer Engineering) was presented with a Recognition of Service Award by the Association for Computing Machinery.
Prof. Mario Santana (Architectural Conservation and Sustainability) was elected Vice President of the International Council of Monuments and Sites.

Prof. Thomas Garvey (Industrial Design) was elected as a member of the World Design Organization’s board of directors.

Fourth-year Architecture student Jesse Bird won first prize in the American Institute of Architects’ International Here+Now Competition.

Fourth-year Industrial Design students Ben Kaufmann and Andrew Ferrier won first and second place, respectively, in the highly prestigious International Housewares Association’s Student Design Competition.

Civil Engineering master’s student Brandon Robinson placed second in NSERC’s Science, Action video competition.

Architecture master’s student Chelsea Jacobs was selected as one of eight Indigenous architecture students across Canada to participate in the exhibit “UNCED: Voices of the Land” Canada’s entry to the 2018 Biennale in Venice, Italy.

Architecture master’s student Justin Yan was selected as one of 10 winners out of more than 1,000 participants in the American Institute of Architects Committee on the Environment’s widely renowned Top Ten for Students competition.

Carleton’s Ravens Racing team placed seventh out of 110 teams from 11 countries at the 2018 Formula SAE Michigan, marking the team’s most successful competition to date.

Fourth-year Architectural Conservation and Sustainability students Jamie Marrs and Erin Hemm won second place in the Historical Ottawa Development Inc. (HODI) awards competition.

Third-year Interactive Multimedia and Design student Bianca Mitchell-Reyes won Carleton’s Undergraduate Co-op Student of the Year award for 2017.

SELECTED OUTREACH STORIES

FED continued its acclaimed “Ingenious Talks” speaker series, which engages the community in discussions of timely and innovative ideas in engineering, design and technology. This year’s topics focused on areas such as 5G wireless technologies, the Internet of Things, cybersecurity and more.

Carleton’s Virtual Ventures youth outreach organization received $90,000 in CanCode funding (as a network member of Acuta) to expand its youth outreach programs in the Ottawa area.

Carleton’s Immersive Media Studio, led by Prof. Stephen Fai (Architecture), developed an interactive visual tour of Canada’s Senate with the help of his students as part of Canada’s 150th anniversary celebration.
FACULTY OF PUBLIC AFFAIRS

It’s an exciting time in the Faculty of Public Affairs, as we identify new ways of fulfilling our mission to foster informed citizenship and address regional and global challenges. Our researchers are collaborating with funding and research partners all over the world, and our faculty and students are taking advantage of FPA’s significant connections within government and civil society.

RESEARCH AROUND THE GLOBE

Carleton is a world leader in the field of Migration and Diaspora Studies and researcher Prof. James Milner (Political Science), is leading the way. He recently received a $2.5-million Partnership Grant from the Social Sciences and Humanities Research Council of Canada (SSHRC) in which he is collaborating with more than a dozen researchers from around the world as well as CARE Canada, Oxfam Canada, and Global Affairs Canada. They are questioning how civil society, in Canada and in affected countries, can do more to address the needs of refugees in the global South.

Our researchers are engaged in a number of other important research projects, including:

- **Profs. Kenta Asakura and Sarah Todd** (Social Work) have received a Canada Foundation for Innovation grant for the first social work-specific simulation research lab in Canada that integrates both live and technology-enhanced simulation.

- **Prof. Doris Buss** (Law and Legal Studies) and her colleagues have devoted years to studying the tens of thousands of women who work in artisanal and small-scale mining in Africa. Their research in six African countries has been supported by several grants, and most recently a 2018 SSHRC Partnership Development Grant.

- **Prof. Merlyna Lim** (Communication and Media Studies and a Canada Research Chair in Digital Media and Global Network Society), launched the Alternative Global Network Media Lab (ALIGN). It focuses on research, knowledge mobilization and public engagement at the intersection of media, contestation of power and collective resistance. She holds a SSHRC Insight Grant and a Canada Foundation for Innovation grant.

- **Prof. Alex Wilner** (Norman Paterson School of International Affairs) is a cyberterrorism expert and is conducting the first-ever assessment of Canada’s energy sector vulnerabilities—both cyber and physical. The project will support the Government of Canada’s national Cyber Security Strategy.

- Efficiency Canada is a data-driven think tank with a mission to shift public policy towards a dramatic improvement in how we use energy. Led by Canada Research Chair Prof. James Meadowcroft (School of Public Policy and Administration and the Department of Political Science), the think tank recognizes that climate change is not just a challenge for scientists, but for policymakers as well.
SUPPORTING OUR RESEARCHERS

FPA champions our research faculty with a comprehensive support structure. A few of our newer initiatives include:

- **Public Affairs Research Excellence Chairs**—These newly established Chairs recognize a researcher at each of the professorial ranks. The first two Chairs were granted to Profs. Amanda Clarke and Graeme Auld (School of Public Policy and Administration).

- **FPA Research Acceleration Awards**—In co-operation with the Office of the Vice-President (Research and International), grants of up to $10,000 are given to those who have completed one of a set of administrative roles for at least three successive years to re-engage with research.

- **Research Time Awards**—Recipients of Tri-Agency and select other external funding will be provided with a 0.5-credit teaching reduction once during their project are co-funded by FPA and the Office of the Vice-President (Research and International).

- **RA Matching Scholarship Program**—For each $3,000 research assistant position offered by an FPA researcher to a graduate student, FPA and the Faculty of Graduate and Postdoctoral Affairs will co-fund an additional $1,000 scholarship for the student.

MAKING CONNECTIONS

In addition to supporting our research community, the Faculty has also strengthened its connections with the community and beyond. Here are just a few of the other significant initiatives undertaken within the Faculty over the past 12 months:

- Dozens of faculty members have provided testimony and consultation to the House of Commons, Senate, public service departments, the military and nongovernmental organizations;

- FPA students have frequent opportunities to interact with leaders in Canadian politics, international relations, the public service and the military;

- A dual master’s degree agreement was signed between Carleton’s Institute of European, Russian and Eurasian Studies and the Université Catholique de Louvain and Université Saint-Louis – Bruxelles;

- A dual master’s degree agreement was signed between the Department of Political Science and the University of Lucerne;

- A pilot project was launched to offer international internships to undergraduate students from across the Faculty;

- An outreach project highlighting successful alumni from the past decade, entitled *Generation FPA*, is being published monthly.
FACULTY OF SCIENCE

The Faculty of Science continued its commitment to fostering a strong, informed and collegial community and encouraging a culture of innovation, entrepreneurship and creativity.

The year was one of milestones, as the School of Mathematics and Statistics and the Department of Physics each celebrate their 65th and the Department of Chemistry celebrates its 70th anniversaries. The appointment of Distinguished Research Prof. David Sinclair to the Order of Canada, “for his exceptional contributions to the field of experimental sub-atomic physics and for his leadership as a founding director of the Sudbury Neutrino Observatory project” was of particular significance.

COMMUNITY ENGAGEMENT

The Faculty continued its commitment to fostering an ongoing connection to our community beyond Carleton and to increasing the awareness and appreciation of science in society. The Faculty hosted its annual open-to-the-public Chemistry and Physics magic shows, the Biology Butterfly Show, the Science Café series and our annual Herzberg and Discovery Lectures.

In addition, from Oct. 3 to 23, 2017, the Faculty of Science hosted New Eyes on the Universe, a unique travelling exhibition celebrating the particle physics discoveries at the Sudbury Neutrino Observatory (SNO) and SNOLAB, a world-class science facility two kilometres below the surface of the planet at an active nickel mine in Sudbury, Ont. Nobel Prize winner Art McDonald, along with Carleton Prof. David Sinclair, a SNO founder and former head of SNOLAB, participated in the exhibit’s grand opening on Oct. 3, 2017.
In May, Carleton hosted the annual Canada Wide Science Fair, an event that has been hosted since 1962. The event brought 500 of the country’s top young scientists and an audience of approximately 10,000 students, teachers, members of the public and government officials to Carleton, including Science Minister Kirsty Duncan and Environment Minister Catherine McKenna.

AWARD-WINNING RESEARCH

Profs. Yuhong Guo and Sonia Chiasson (Computer Science) each received NSERC Accelerator grants for their projects, one aiming to overcome the boundaries of traditional machine learning and data analysis and provide new tools that address a significant need resulting from big data, and the other investigating the effects of how poor cybersecurity impacts everyone. A $3.4-million grant from the Canada Foundation for Innovation now supports physicist Mark Boulay’s study of neutrinos and dark matter at SNOLAB in Sudbury, Ont. Hongyu Sun’s five-year, $2.5-million Canada Research Chair in Developmental Neuroscience is seeking a better understanding of how seizures impact brain development during the first weeks of life. Prof. Alex Wong (Biology), is leading an international joint initiative and is receiving approximately $600,000 over four years from the Canadian Institutes for Health Research to support research on antimicrobial resistance.

A THRIVING COMMUNITY OF SCHOLARS

The Faculty of Science continues to be an important centre of research in natural sciences, computer science, mathematics and statistics.

The Faculty of Science welcomed 10 new faculty members, including Prof. Simon Viel, one of 15 new federally-funded faculty positions as part of the Arthur B. McDonald Canadian Astroparticle Physics Research Institute. Originally the Canadian Particle Astrophysics Research Centre based at Queen’s University in Kingston, Ont., it is comprised of eight university partners and five affiliated research organizations, including Sudbury’s SNOLAB, and was established through a $63.7-million investment from the Canada First Research Excellence Fund.

Profs. Steven Cooke, Joe Bennett and Jesse Vermaire (Institute of Environmental Science) received an NSERC Strategic Partnership Grant for a three-year collaborative project with seven professors and two Parks Canada staff members to maintain and enhance ecosystem services in the historic Rideau and Trent-Severn waterways.
CARLETON BREAKS GROUND ON THE NICOL BUILDING

On June 19, 2018, Carleton officially broke ground on the Nicol Building, the future home of the Sprott School of Business. Scheduled for completion in 2020, the Nicol Building will serve as a front door to the university and a place where students, faculty, staff, alumni and the broader community can engage, share ideas and find creative solutions to the challenges facing business and society.

Designed by Hariri Pontarini Architects, the inspiring 115,000 square-foot facility will feature innovative learning environments and collaborative spaces. The Nicol Building honours the vision of the Nicol family, and in particular Ottawa entrepreneur, philanthropist and Carleton alumnus – the late Wesley Nicol. The Nicol family led the way for Sprott’s new home with a gift of $10-million in 2014.

SPROTT CELEBRATES 50 YEARS OF THE BUSINESS BANQUET

The Sprott School of Business community celebrated the 50th anniversary of the annual Business Banquet on Nov. 27, 2017 in the Shaw Centre’s stunning Trillium Ballroom. Organized by the Sprott Business Students’ Society (SBSS), the Business Banquet is a signature event for the school that brings together students, alumni, faculty, staff and members of the Ottawa business community for a special evening of networking. Co-hosted by SBSS President Hanna Di Virgilio and alumnus Mark Featherstonhaugh (BCom/10), this milestone event featured addresses from entrepreneur Jason Daley (BCom/99), Corporate Director and Consultant Lori O’Neill (BCom/88) and Mitel CFO Steve Spooner (BCom/80).
STUDENT SUCCESS

Sprott Competes strikes gold again

In March 2018, a team of undergraduate students in the Sprott School of Business won the Van Berkom JMSB Small-Cap Case Competition at Montreal’s Concordia University, defeating teams of students from some of North America’s top business schools including U.C. Berkley’s Haas School of Business, Tulane’s A.B. Freeman School of Business, and Queen’s University Smith School of Business.

International Business students Cason Bravener and Sarah McKinnon, together with Commerce students Parker Olineck and Chiara Palumbo, leveraged their investment knowledge, honed through their involvement in the Sprott Student Investment Fund, as well as their strong case analysis and presentation skills developed through Sprott Competes, the school’s case competition training program.

The students were coached by Sprott School alumni who drew from their own successful competition experiences. Oleh Reive, BCom/17, was a member of the Sprott student team that won the Van Berkom competition in 2016 and Rob Curtis, BCom/16, was a member of the Sprott team that won the 2014 NIBS Worldwide Business Case Competition.

Sprott Student Investment Fund

The Sprott Student Investment Fund celebrated its 10th anniversary in 2017-18. A select team of 16 Bachelor of International Business and Bachelor of Commerce students actively managed the equity portfolio, which was valued at C$1,009,826.82 on April 30, 2018.

Sprott students abroad

During 2017-18, 35 Bachelor of International Business and 15 Bachelor of Commerce students studied abroad at institutions in 17 countries. Sprott students made up 30 per cent of all Carleton undergraduates who participated in an international exchange in 2017-18. Several students shared their experiences and insights during their exchange through Sprott’s Students Abroad blogs: sprott.carleton.ca/blogs

Outstanding student support

Sprott’s nationally recognized Business Career Management Centre (BCMC) provides a full-range of services tailored to the needs of Sprott business students. In 2017-18, BCMC hosted a number of events, including its signature Triple Etiquette Series that features workshops on networking, business dress and the popular Etiquette Dinner. BCMC recorded 340 individual advising appointments with undergraduate and Master of Accounting students, and increased the number of job postings added to the mySprott career portal to 475 postings, 48% more than the previous two years. BCMC advisors delivered mock interview training and resumé writing instruction to all first-year business students in BUSI 1800 Introduction to Business. BCMC also provides oversight of Sprott student clubs and partnered with concentration-specific clubs to host career exploration panels and networking events.
FACULTY OF GRADUATE AND POSTDOCTORAL AFFAIRS

GRADUATE ENROLMENT GROWTH
There has been significant graduate enrolment growth in the framework of the Strategic Mandate Agreement, while maintaining a high GPA average of new students. The growth rates for Fall 2017 versus 2013 full-time equivalent students are as follows: Domestic MAESD Grant eligible PhD students: 16.1% and Master’s students: 5.8%; International PhD students: 17.6% and Master’s students: 56.9%. In Fall 2017, Carleton reached 100% of its PhD and 98.8% of its Master’s cap space. Measuring eligible enrolment at the conclusion of SMA1, Carleton placed third among all comprehensive Ontario universities at the PhD, and second at the Master’s level. In terms of the corresponding absolute growth allocated in 2017 for SMA2 (2019-20 eligible cap space vs. 2016-17 eligible enrolment), Carleton University placed second among all comprehensive Ontario universities at the PhD, and fifth at the Master’s level.

NEW GRADUATE PROGRAM DEVELOPMENT
Six new programs were developed in 2017-18 and launched by Fall 2018, including 10 degrees and two Collaborative Specializations: Biochemistry (PhD and MSc Collaborative Specializations); Biomedical Engineering (PhD); Curatorial Studies (Graduate Diplomas Type 2 & 3); Health Sciences (PhD and MSc); Management (MSc); Northern Studies (MA, MSc, and Graduate Diplomas Type 2 & 3).

INTERNATIONAL DUAL MASTER’S DEGREES
The Faculty of Graduate and Postdoctoral Affairs developed a new university-wide policy on International Dual Master’s Degrees (in effect as of June 2017) that creates a general framework in which any Carleton master’s program can establish an academic pathway for students to complete their degree at Carleton and in a master’s program at a partner institution abroad via a bilateral co-enrolment agreement. Two such agreements with partner universities were developed and signed in 2017-18, and are set to begin in the Fall of 2018: the Master of Arts in European, Russian and Eurasian Studies at Carleton, and the Master in European Studies at the Université Catholique de Louvain and the Université Saint-Louis-Bruxelles (Belgium); the Master of Arts in Political Science between Carleton and the University of Lucerne (Switzerland).
EXPANSION OF INTERNATIONAL DOCTORAL EXCELLENCE PROGRAM

As of September 2018, Carleton’s international PhD students will be eligible to receive the newly created International Doctoral Tuition Bursary to help offset the difference to domestic tuition rates. The benefit will be in effect up to the fifth year of the PhD program. The new initiative expands the International Doctoral Excellence Program through which the tuition for approximately half of Carleton's international PhD students is reduced to the domestic level. This removes financial barriers, allowing students to concentrate more fully on their academic studies and research, and further increases our global competitiveness for talent.

INAUGURAL ONTARIO COUNCIL ON GRADUATE STUDIES CELEBRATION OF ACADEMIC EXCELLENCE

Carleton created and organized the inaugural Ontario Council on Graduate Studies Celebration of Academic Excellence, a public event which offers a platform for the winners of the Governor General’s Gold Medal from Ontario’s Universities to present their research through short presentations. It provides a unique forum to celebrate highest academic achievement and to showcase cutting-edge research, across all disciplines, conducted at Ontario universities by the next generation of scholars. A video with highlights of the event is currently being prepared. Along with OCGS, this initiative has very strong support from the Canadian Association for Graduate Studies.

GRADUATE STUDENT AWARD SUCCESS

Our graduate students have had a most impressive year in winning prestigious awards: two Vanier Awards, a Hilary Weston Scholarship, a Pierre Elliott Trudeau Foundation Scholarship, a national SSHRC Storyteller Award, and second-place finishes at both the Provincial Three Minute Thesis Competition and the NSERC Science Action Competition. An architecture graduate student was also the only competitor from Canada to place in the top ten of Innovation 2030, a major competition held by the American Institute of Architects Committee on the Environment that attracted more than 1,000 participants.

PARTICIPATION IN THE TRACE 2.0 PROJECT

Starting in January 2018, the two-year TRaCE (“Track, Report, Connect, Exchange”) 2.0 Project aims to track the career paths and report on the stories of PhD graduates in the Humanities, Social Sciences and Fine Arts. Led by McGill University, the initiative built in particular on the momentum of the Conference Future of the PhD in the Humanities, held at Carleton in May 2016, with participation from over 30 universities, Canadian Association for Graduate Studies, the Canadian Federation for the Humanities and Social Sciences, Mitacs and SSHRC. The Project will connect graduates, PhD students and faculty members, and thus facilitate knowledge exchange and mobilization between stakeholders inside and outside academia.
MACODRUM LIBRARY

HEART OF THE CAMPUS

MacOdrum Library is proud to be seen as the heart of the Carleton University campus.

Every year, the Library hosts Freedom to Read Week and Throwback events. Last year we held banned book readings to recognize Freedom to Read and invited alumnus Ryan North to join us for a discussion around comics and graphic novels as part of our Throwback events.

The Birchbark Canoe exhibit installed at the front of the MacOdrum Library signifies and celebrates Indigenous learning at the heart of Carleton’s campus. The canoe was built in the university’s 75th year by 12 Indigenous and non-Indigenous students working under Daniel “Pinock” Smith, a well-known artist and canoe builder from Kitigan Zibi Anishinabeg, using customary Anishinaabe tools, materials and methods in traditional canoe making.

In addition to our special events, we have ongoing exhibits that showcase what makes Carleton unique. These exhibits include the Birchbark Canoe, Nobel Prize and Children’s Maps of the World.

Our large and open Alumni Association Reading Room space is also widely used by the entire Carleton community for feature events.
RENOVATIONS

Renovations have converted the Library into a modern, 21st-century environment for students.

Noting a continued desire from students to have a number of different study environments, the Library recently added more bookable group-study rooms.

To meet the diverse needs of our community, we have also recently opened the Digitization Hub, a space where we offer a wide range of technologies and software that can be used to make digital copies of various materials.

We also opened the Jacob Siskind Music Resource Centre, a space that enables the Library to offer students a more immersive learning experience and a way to access the extensive collection that the Siskind donation has made available to everyone.

SATISFACTION

Overall satisfaction with the Library has risen from 76% in 2005 to 85% in 2016 (via the University’s Student Satisfaction Survey). We continue to reorganize our services to align with current student needs and to evaluate our collections budget – increased by 20% in the last couple of years – to ensure it matches the various needs of our community.
CARLETON UNIVERSITY IS HERE FOR GOOD.

We are a university with a cause—to serve the greater good and the lives of individuals and communities around the world. Through higher education, we contribute more to the economic, social and common good of society, improving its economy, its institutions, and the health and well-being of all citizens.