

Carleton

UNIVERSITY

148th CONVOCATION

Tuesday, June 7

2016

Ottawa, Ontario, Canada

2016 SPRING CONVOCATION

Convocation at Carleton

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Doctor of Philosophy from the Faculty of Science; Master of Arts in Human Computer Interaction; Master of Computer Science; Master of Science; Graduate Diploma in Health: Science, Technology and Policy; Bachelor of Computer Science (Honours); Bachelor of Computer Science (Major); Bachelor of Mathematics (Honours); Bachelor of Mathematics; Bachelor of Science (Honours); Bachelor of Science (Major); Bachelor of Science; Bachelor of Arts (Honours); Bachelor of Arts



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Doctor of Philosophy from the Faculty of Public Affairs; Master of Arts; Master of Social Work; Bachelor of Arts (Honours); Bachelor of Arts; Bachelor of Social Work; Post-Baccalaureate Diploma in Economics

O CANADA

O Canada! Our home and native land!
True patriot love in all thy sons command.
With glowing hearts we see thee rise,
The True North strong and free!
From far and wide, O Canada,
We stand on guard for thee.
God keep our land glorious and free!
O Canada, we stand on guard for thee.
O Canada, we stand on guard for thee.

O Canada! Terre de nos aïeux,
Ton front est ceint de fleurons glorieux!
Car ton bras sait porter l'épée,
Il sait porter la croix!
Ton histoire est une épopée
Des plus brillants exploits.
Et ta valeur, de foi trempée,
Protégera nos foyers et nos droits.
Protégera nos foyers et nos droits.

CONVOCATION AT CARLETON UNIVERSITY

HISTORY

Carleton University is unique within the Ontario university system for several reasons. It was founded in 1942, not by state or church, but through a community movement initiated by the YMCA to provide non-sectarian education for the thousands of men and women who came to Ottawa in support of the war effort. Because of these roots, Carleton has, throughout its history, attempted to meet the needs of the community by making its programs and resources widely available through innovative technologies and lifelong learning opportunities.

Today, Carleton stands among the best comprehensive universities in Canada. It is a dynamic, research-intensive university, committed to providing an outstanding learning experience for its more than 28,000 students. The University offers more than 100 majors, specializations and concentrations in areas as diverse as public affairs, journalism, art and culture, engineering, high technology, and international studies. Today's Convocation ceremony (the calling together of the academic assembly) has its roots in university traditions of medieval Europe.

COAT OF ARMS



The coat of arms was presented to the University by His Excellency The Right Honourable Ramon John Hnatyshyn, Governor General of Canada, on November 15, 1992, as part of Carleton's 50th anniversary celebrations. It is described in heraldic terms as follows: Sable a maple leaf Gules irradiated and charged with an open

book Argent; And for a Crest: On a wreath Argent Sable and Gules a Phoenix Gules quilled and beaked Or issuing from flames proper; And for a Motto: Ours the Task Eternal; And for Supporters: on a grassy mount on either side a raven Sable beaked and membered or armed Gules.

The open book on the maple leaf signifies that Carleton University is in the nation's capital and that learning is open to all who wish to partake of it. The phoenix, the legendary eternal bird, symbolizes the renewing of learning from older

foundations, in recognition of Henry Marshall Tory's role in the founding of the University when he was 78 years old. Ours the Task Eternal is taken from a Walt Whitman poem entitled Pioneers and ties in with the eternal quality of the phoenix.

The Carleton University coat of arms therefore symbolizes sound learning, good citizenship, and the highest hopes of humanity.

THE MACE



The mace is a staff symbolizing authority. In the days of knighthood, it was a weapon, but after the 16th century, it became solely a symbol of authority carried by a distinguished member of an assembly. It is used on ceremonial occasions to signify the right of an individual or institution to perform a certain function — in the case of universities, to grant degrees.

At Convocation, the mace is carried by the Marshal of Convocation. During the ceremony, the mace is displayed as an embodiment of the authority of the University.

Carleton's mace was presented to the University in 1976 as a gift from the Chair of the Board of Governors at that time, Mr. Hyman Soloway. It is a silver-plated staff about one metre long. At the upper end there is a bowl marked with the University's coat of arms and the University motto in Latin and English — Opera Nobis Aeterna and Ours the Task Eternal. From the upper portion of the bowl rises a phoenix. Traditional oak leaves surround the lower end of the staff.

THE DIPLOMA

The diploma the graduates receive at Convocation is the certificate of qualification which publishes the fact that the student has fulfilled all the requirements and completed the prescribed course of study for the degree. As the senior academic legislative body of the University, it is the Senate which has determined whether the requirements have been met. The signatures of the Chancellor and the President of the University appear on the diploma: the Chancellor because of his role in conferring the degree, and the President who, as Chair of

Senate, certifies that Senate has enacted the required motion to award the degree. The Seal of the University is affixed to the diploma as a mark of authentication.

ACADEMIC DRESS

The academic dress of Carleton University results from a compromise between that found in the ancient foundations of Britain and Canada and the American Intercollegiate Code. All three hoods — bachelor's, master's, and doctor's — are of the simple or Oxford shape. The bachelor's hood is made of black stuff. The master's and doctor's are made of black silk. All are lined with silver silk, with two chevrons, one of red and one of black. From bachelor's to doctor's, the hoods are progressively longer and opened to show more of the lining.

The velvet border of the hoods denotes the degrees granted according to the following colour combinations. In some cases a distinguishing cord is sewn slightly in from the lower border: accounting is lemon; applied science is orange with a black cord; architectural studies is hot pink with a black cord; arts is white; cognitive science is sky blue with a gold cord; commerce is camel brown; computer science is royal blue; engineering is orange; global and international studies is lilac; health sciences is firebird red; humanities is white with a red cord; industrial design is toreador red; information technology is maize including a green chevron to denote the joint degree and applied diploma from Carleton University and Algonquin College respectively; infrastructure protection and information security is sky blue with a red cord; international business is camel brown with a red cord; journalism is white with a black cord; management studies and business administration are camel brown with a black cord; mathematics is hunter green; music is pink; philanthropy and non-profit leadership is toreador red with black cord; political management is sky blue with black cord; public affairs and policy management is teal with a gold cord; science is yellow; social work is crimson; and doctor of philosophy is royal purple.

The master's and bachelor's gowns, to be worn with the above hoods, are of full length, made of black stuff, with a gathered yoke behind, and long open-fronted sleeves. The doctoral gown is of full-style, made of fine royal blue cloth with facings of light blue silk, with a full gathered yoke behind, and closed sleeves with an opening at the elbows.

The two shades of blue in the doctoral gown are those of the United Nations, and recognize the University's long-standing interest, from its earliest years, in international affairs and issues.

The colours were chosen when the University awarded its first honorary degree in 1954 to the second secretary general of the United Nations, Dag Hammarskjöld. The tradition of awarding honorary degrees to secretaries general of the United Nations has continued since that time.

The gown of the honorary Doctor of Laws, Literature, Music, Science, Engineering, Architecture or Fine Arts is a full robe with bell-shaped sleeves. It is made of fine royal blue cloth with facings and sleeves in light blue silk. The hood is made of the same material as the gown, has the same lining as that for the degrees granted by examination, and is bordered with royal purple for the degree of Doctor of Laws; vibrant blue for the degree of Doctor of Literature; pink for the degree of Doctor of Music; red for the degree of Doctor of Science; orange for the degree of Doctor of Engineering; hot pink for the degree of Doctor of Architecture; and dark cardinal for the degree of Doctor of Fine Arts.

ALUMNI HALL

The Alumni Hall and Sports Centre opened in 2005, and serves more than 750,000 visitors every year. The new centre has tripled the usage for athletic and other activities and has doubled the size of the cardio facilities at the University. The Alumni Hall and Sports Centre, which also houses the Ravens' Nest, the home of men's and women's varsity basketball teams, welcomes graduands and their families twice a year during Spring and Fall Convocation ceremonies. The Carleton University Alumni Association donated \$2.5 million towards the construction of this exceptional facility.

OFFICIATING OFFICERS

Chancellor of the University



Charles Chi, B.Eng.

Charles Chi was named the 11th Chancellor of Carleton University in November 2011. An entrepreneur, innovator and venture investor, he is the university's first chancellor who is an alumnus. He brings to Carleton a diverse background in marketing, sales, engineering and executive leadership. He was a former general partner at the venture capital firm Greylock Partners, the vice-president of marketing at Ciena, co-founder at Lightera networks, and held operating roles in Cisco, StrataCom, Unitel and Bell Canada. He is "actively retired" but has never been busier with a diversity of projects from technology startups to real estate development and even boutique farming.

The President and Vice-Chancellor



Roseann O'Reilly Runte, C.M., B.A., M.A., Ph.D.

Dr. Roseann O'Reilly Runte was named President and Vice-Chancellor of Carleton University on July 1, 2008. She is the author of numerous scholarly and creative works and has served and volunteered on numerous boards in areas ranging from international development and finance to medicine. Dr. O'Reilly Runte is a Member of the Order of Canada, the French Order of Merit, the Royal Society of Canada, and both the European and the World Academy of Sciences and Arts.

Chair of the Board of Governors



Anthony Tattersfield, C.St.J., B.A., F.C.P.A., F.C.A., C.F.E., T.E.P., C.A.(BZ)

Tony Tattersfield is Chair of the Board and is, *ex-officio*, a member of all standing committees. A proud alumnus of Carleton, he is a Consulting Partner with Raymond Chabot Grant Thornton LLP, Chartered Accountants/Licensed Public Accountants, in Ottawa. Tony was re-elected to the Board for a further one-year term ending on June 30, 2016.

The Presiding Officer of Convocation is the Vice-Chancellor and President of the University, Roseann O'Reilly Runte, *C.M., B.A., M.A., Ph.D.* Accompanying her on the podium for today's ceremonies is Anthony Tattersfield, *C.St.J., B.A., F.C.P.A., F.C.A., C.F.E., T.E.P., C.A.(BZ)*, Chair of the Board of Governors.

ASSISTING THE VICE-CHANCELLOR

Marshal of Convocation

Katharine Kelly, *B.A., M.A., Ph.D.*
Director, Pauline Jewett Institute of Women's and
Gender Studies
Associate Professor

Associate Marshals of Convocation

Seán Barry, *B.Sc., Ph.D.*
Professor, Department of Chemistry

Anne Bowker, *B.A., M.A., Ph.D.*
Associate Professor, Department of Psychology

Chris Brown, *B.A., M.A., Ph.D.*
Program Director, Bachelor of Global and
International Studies
Associate Professor, Department of Political
Science

Adele Forth, *B.A., M.A., Ph.D.*
Associate Professor, Department of Psychology

Ben Gianni, *B.A., M.Arch.*
Associate Professor, Azrieli School of Architecture

Heng Khoo, *B.Sc., M.Sc., Ph.D., P.Eng.*
Associate Professor
Department of Civil and Environmental Engineering

Hugh Shewell, *B.A., M.S.W., Ph.D.*
Graduate Supervisor
Associate Professor, School of Social Work

Susan Whitney, *B.A., M.A., Ph.D.*
Associate Dean, Student Affairs, Faculty of Arts and
Social Sciences
Associate Professor, Department of History

Beadles of Convocation

Alanna Allen, *B.Com.*
Sprott School of Business

Martha Attridge Bufton, *B.B.A., M.A.*
MacOdrum Library

Donald Bailey, *M.A.Sc.*
Instructor III
Department of Systems and
Computers Engineering

Laura Brawn, *M.A.*
Paul Menton Centre

Marge Brooks
Department of Economics

Sandra Cloutier, *B.A.*
Sprott School of Business

Shaundel Dottin-Agim, *B.A.*
Undergraduate Recruitment Office

Ashley Fleischer, *B.A.*
Office of the Provost and Vice-President
(Academic)

Beth Hughes, *B.A., M.A.*
Instructor III
Centre of Initiatives in Education

Anastazia Krneta, *B.A.*
Department of University Advancement

Sara Landry, *B.A.*
Office of the Dean of Science

Cassandra Larose, *B.A.*
Office of the Provost and Vice-President
(Academic)

Brian Laughton, *B.Appl.Sc., B.Ed., P.Eng.*
Office of the Faculty of Engineering and Design

Katie LeBlanc, *B.A.*
Sprott School of Business

Yvonne Leung, *B.B.A.*
Office of the Vice-President (Research and
International)

Maggie Lodge, *B.A.*
School of Social Work

Dotti MacNeil, *B.Sc.*
Sprott School of Business

Scott Mitchell, *B.Sc., M.Sc., Ph.D.*
Geomatics Student Advisor
Associate Professor
Geography and Environmental Studies

Holly Moore, *B.A.*
Career Services

Farnaz Ogaick
Office of the Provost and Vice-President
(Academic)

Rosemary O'Hearn, *B.Th.*
Office of the Provost and Vice-President
(Academic)

Claire Ryan, *B.A.*
The Pauline Jewett Institute of Women's and
Gender Studies

Jenelle Williams, *B.A., M.A.*
Infrastructure Protection and International Security
Program

Also assisting at Convocation:

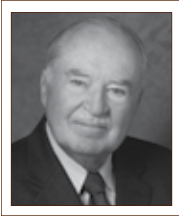
Department of University Communications
Office of the President
Faculty of Graduate and Postdoctoral Affairs
Senate Office
Registrar's Office (with special thanks to Michelle
Audet, Robin Beasley, Jasmine Bent, Diane
Berezowski, Vicki Boman, Kathleen Courtney, Lakin
Dagg, Robin Dunbar, Kirsten Fenn, Alyson Green,
Margaret Higgs, Geri Johnston, Lana Keon, Talia
Nadler, Ashley Reid, Tracy Saxton, Sam Shortt,
Joycelyn Van Wynsberghe and the staff from the
Student Experience Office).

We would also like to acknowledge the following
on-campus departments and ancillary operations
for their valuable contribution to the success of the
Spring 2016 Convocation:

Alumni Services
Aramark
Carleton University Bookstore
Carleton University Emergency Response Team
Department of Recreation and Athletics
Facilities Management and Planning
Graphic Services
Instructional Media Services
Musicians: Dennis Bass, Jacob Clarke, Kyle Jordan,
Simon Lemay
Parking Services
Student Experience Office
University Archives
University Safety

UNIVERSITY AWARDS

Founders Award



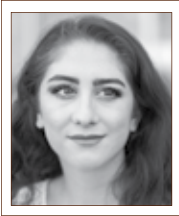
Carleton University's highest non-academic honour recognizes and pays tribute to those individuals who have made significant contributions to the advancement of Carleton University through their dedication, generosity and commitment to the values of the university.

J. Spruce Riordon, *B.Eng., M.Eng., Ph.D., D.I.C., F.E.I.C.*

J. Spruce Riordon joined Carleton in 1968 and has been a valued member of the community ever since. During 32 years of dedicated service, he has held several key positions, including chair of the Department of Systems and Computer Engineering, dean of the Faculty of Engineering and Design, and vice-president (Finance and Administration). Within the broader community, he carried out research and consulting, and served on the governing board of the National Research Council. He has been a visiting professor at Imperial College, London, and the Technical University of Vienna.

He and his family established the Riordon Family Scholarship, providing Carleton engineering students with full tuition to support and develop future leaders. His commitment to excellence helped build the Faculty of Engineering and Design into an internationally recognized research and teaching institution.

Board of Governors Award



The Board of Governors Award recognizes voluntary involvement in the not-for-profit sector and, as such, is intended primarily to honour non-academic work while pursuing a full-time program of study at Carleton University.

Jasmine Shaw, *B.Eng.*

Jasmine Shaw is graduating with a Bachelor of Engineering degree in biomedical and mechanical engineering. She is the recipient of this year's Board of Governors Award for Outstanding Community Achievement.

Jasmine has demonstrated a range of volunteer work within her field of study and beyond, holding a number of leadership positions and creating projects that have the potential for lasting impact. This year, she served as president of the Carleton Student Engineering Society (CSES) after holding a position as vice-president for two years and as a student representative for one. During that time, she founded February Feel Good Week, which provides de-stressing activities and mental health resources to students during exam season. The project is now in its third year. She also created the Student Ambassador Program to encourage high school students to pursue engineering. Jasmine has worked as a project co-ordinator for the Carleton University Crash Test Dummy Project, was a student representative on Senate, a Paul Menton Centre note-taker, and a student delegate at leadership conferences. Beyond Carleton, she has volunteered with a number of Ottawa festivals, balancing it all with a strong academic record.

Henry Marshall Tory Award



Presented annually to a graduating Carleton University student who has shown a high degree of academic achievement and has indicated an interest in the university by broad participation in extra-curricular affairs of a constructive nature pertaining to the university, the Carleton University Students' Association and the Carleton community.

Charles McIvor, *B.P.A.P.M.*

Charles McIvor is graduating with a Bachelor of Public Affairs and Policy Management with a Specialization in Social Policy and a Minor in Economics. Charles is receiving the award for his commitment to student life and the Ottawa community while demonstrating academic excellence. In student leadership positions, he raised nearly \$200,000 for the annual Shinerama, Relay for Life and Movember campaigns. He served as a fall orientation co-ordinator; an executive member of several student clubs; a summer orientation ambassador; and participated in community service activities such as Alternative Spring Break. Outside the classroom, Charles has applied his academic knowledge to better his community. As part of a co-op program, he worked as a junior analyst at the Science, Technology and Innovation Council. He also worked with peers to produce a report for the City of Ottawa on food security which will help improve access to nutritional and affordable food for low-income families.

MEDALLISTS IN THE GRADUATING CLASS

GOVERNOR GENERAL'S MEDAL

Awarded annually to a student standing at the head of the graduating class at the undergraduate level

Donor: His Excellency the Governor General of Canada

Merna Megalla
Luke Adrian Steingra

CHANCELLOR'S MEDAL

Awarded annually in the name of the Chancellor of the University to a graduating student of outstanding academic achievement

Thomas Stephen Ritchie

PRESIDENT'S MEDAL

Awarded annually in the name of the President of the University to the student with the highest standing in a general degree program of studies

Joshua Joseph Boudreau

UNIVERSITY MEDAL FOR OUTSTANDING GRADUATE

WORK— Doctoral Level

Awarded, when merited, for outstanding graduate work at the doctoral level

Jacob Brownscombe
Jane Elizabeth Cooper Freeland

UNIVERSITY MEDAL FOR OUTSTANDING GRADUATE

WORK— Master's Level

Awarded, when merited, for outstanding graduate work at the master's level

Mackenzie Brian Cook

UNIVERSITY MEDAL

Awarded annually, when merited, to the graduating students standing highest in architectural studies, arts, cognitive science, commerce, computer science, engineering, humanities, industrial design, information technology, interfaculty studies, international business, journalism, mathematics, music, public affairs and policy management, science, and social work

Architectural Studies

Jason Surkan

Arts

Kenneth Peter Kelly-Turner

Rebecca Klimo

Cognitive Science

Diana Lucia Salguero

Commerce

Jordan Allan Taylor

Computer Science

Sebastian Evoniak

Engineering

Andrew Pak Tao Kam

Humanities

John Ryan

Information Technology

Sean Shaant LeBlanc

Interfaculty Studies

Adrienne Maria Sukunda

International Business

Jabir Singh Sandhu

Journalism

Rachel Evelyn Lindgren

Mathematics

Paul Alexander Seward

Music

Amieke Walker

Public Affairs and Policy Management

Imaan Kaur Sandhu

Science

Shelby Levine

Social Work

Hannah Walt

SENATE MEDALS FOR OUTSTANDING ACADEMIC

ACHIEVEMENT — Graduate

Awarded, when merited, to graduating students of outstanding academic achievement

Doctoral Level

Laura Gover

Christen Michelle Rachul

Rozita Rashtchi

Martin Koji Wellman

Master's Level

Manon Gaudet

Ryan Joseph Gohlich

Luke Kersten

Alexander John Heaslip Ross

Andrew Sherwood

Michael Tremblay

SENATE MEDALS FOR OUTSTANDING ACADEMIC

ACHIEVEMENT — Undergraduate

Awarded, when merited, to graduating students of outstanding academic achievement

Erin Brenna Michaela Abbott

Khadija Ali Ahmed

Jorge Alberto Amaya

Joseph Lyall Baker

Gustavo Baron

Nimrit Kaur Bhangoo

Meagan Black

Nicolas Bronskill

Emma Catherine Brown

Sydney Buttera

Nicole Emma Cadman

Alex Campbell

Rachel Elizabeth Canham

David Earl Caughey

Lori Qi-Kei Chan

David Collins

Brooks Curtis Conger

Anna Currie

Michael Brad Daudlin

Aleksandar Despotovic

Christopher Hayward Dick

Luke Donald Doering

Claire Catherine Donnelly

Michelle Duong

Mohamed Karam A. Emara

Abdul-Karim Farhat

Layla Farhat

Sean Gregory Fish

Cory Tyler Fraser

Aidan Geary

Aly Ragae Gemae

Ashley Gerber

Tarek Ghadieh

William Sean Gibson

Angela L. Girard

Gianna Alisa Giuffre

Meredith Gray

Jennifer M. Greenberg

Craig John Greenberg

Carie Anne Ching Hadley

David Richard Hanssen

Farida Hassan

Michael Andrew Hetman

Mathew Karl Hildebrand

Rileigh Victoria Hughes

Kathleen Ing

David Alexander Ionis

Heather Rose Kennedy

Nalini Vijaylakshmi Khurana

Marco Tsz Kong Law

Anthony Lawrence

Marie Francesseca Lelong

Brian Timothy Lemky

Quoc-Nam Le-The

Sarah Marie Lord
Mary Eva MacGregor
Rowan MacPhail
Aubrey Maquiling
Kelsey Marshall
Jessica Jayme Leigh Mattice
Brandon Kenneth Mayer
Jennifer McAlister
Andrew Michael McDermott
Christopher A. McDonald
Ebtsam Magdy Metwally
Anna Maria Milczarek
Jennifer Mitchell
Jason Alexander Moggridge
Lisa Ann Montroy
Ruth Elizabeth Anne Mussar
Robert Nguyen
Serena Nguyen
Sarah Letitia Nixon
Jonathan Simon Oommen
Ifeoluwa Oluwaseyi Oyelowo
Brianna Ellexis Paterson-Sonnenburg
Adrienne A. Paynter
Maxime Robert Peabody
Rachael Penman
Taylor Paul Pinchbeck
Luke Philip Prior
Hui Ting Pung
Hailey Brianna Quiquero
Marisa Ramey
Tara Indranie Rawana
Thana Ridha
Breanne Patricia Ridyard
Erin Elizabeth Riley
Brandon Michael George Robinson
Michael Rogoff
Rebecca Victoria Romeo

Christina Elizabeth Ross
Marco Rueckert
Brian Michael Roland Sanders
Lisa Evaline Shinder
Matthew McNeil Silins
Michael Silva
John Martin Sime
Cory Girvan Steele
Joanna Katarzyna Dobrochna Szyszkowicz
Jean-Philippe Tardif
Kate Madeline Tenenhouse
Jordyn Shane Hélène Alexandre Tremblay
Diana Wade
Madeleine Sophie Audrey Walshaw
Kyle Sidney Walton
Elaine Katherine Welsher
Alanna J. Wilson
Agata Wyporska
Hanna Yemenu
Ariel Yu

RECOGNITION OF HIGH ACADEMIC ACHIEVEMENT

The designation of *with Distinction* and *with High Distinction* recognizes outstanding academic achievement by undergraduate students.

In order to have the designation awarded, the following criteria must be met:

- Students must have completed at least 10.0 credits at Carleton University toward the degree;
- For the designation *High Distinction*, an overall cumulative grade point average equal to or greater than 10.40 (on a 12-point scale);
- For the designation *Distinction*, an overall cumulative grade point average equal to or greater than 9.80 (on a 12-point scale)

MORNING CEREMONY

Tuesday, June 7, 9:30 a.m.

Degrees conferred at Spring Convocation are awarded by Senate in February and in June.
Degrees awarded in February are denoted by an asterisk (*)

HONORARY DEGREE RECIPIENTS

Her Excellency Sharon Johnston, C.C., M.Sc., Ph.D.



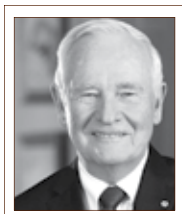
Her Excellency Sharon Johnston will be awarded the degree of Doctor of Laws, *honoris causa*, at the 9:30 a.m. ceremony on Tuesday, June 7, "in recognition of her career in rehabilitation science, her work in the field of child psychiatry, and as a Canadian author all while serving Canada, especially at Rideau Hall."

Mrs. Johnston began her career in Kingston, Ont., as a psychiatric occupational therapist with young adults at Kingston General Hospital, and then worked as a therapist at Beechgrove, a treatment centre for children with learning and behavioural problems. When the family moved to Toronto, she worked at the Crippled Children's Centre in Occupational Therapy.

In 1966, she completed her studies in physical and occupational therapy at the University of Toronto. Later, she completed a Bachelor of Science at the University of Western Ontario, a Master of Science at McGill University, and her PhD in Rehabilitation Science at McGill University.

Mrs. Johnston recently published her first novel *Matrons and Madams*, a fictional account of life in southwestern Alberta during a colourful, post-Great War era, based on her grandmother's experiences.

His Excellency the Right Honourable David Johnston, C.C., C.M.M., C.O.M., C.D., A.B., LL.B.



His Excellency the Right Honourable David Johnston, the 28th Governor General of Canada, will be awarded the degree of Doctor of Laws, *honoris causa*, at the 9:30 a.m. ceremony on Tuesday, June 7, "in recognition of his successful career as an educator, brilliant leader of many post-secondary institutions and his service to Canada as Governor General."

Mr. Johnston has dedicated his life to public service. A strong believer in both equality of opportunity and excellence, he spent most of his career in higher education as a professor and later administrator at several of Canada's leading universities.

Mr. Johnston has focused his mandate on strengthening learning and innovation, philanthropy and volunteerism, and families and children. Since his installation as governor general in October 2010, he has travelled widely across Canada and around the world, connecting, honouring and inspiring Canadians and their global partners.

ORDER OF PROCEEDINGS

Morning ceremony

Tuesday, June 7, 9:30 a.m.

Vice-Chancellor and President Roseann O'Reilly Runte, *C.M., B.A., M.A., Ph.D.*, presiding

The audience is requested to stand when the Academic Procession arrives and remain standing during O Canada and the Elder's greeting. At the conclusion of the ceremony, the audience will wait until the Academic Procession has left before exiting the Fieldhouse.

Processional Music

John Robert Coghill Jr., *B.Mus.* (bagpipes)
Ross Davison (bagpipes)
Garry Matthews (snare drum)

O Canada (The audience is invited to sing. Please see page 2.)

Performed by Malak Ghanem
Accompanied by James Wright

Opening Ceremony

Elder, Thomas Louttit
Representing the First Nations

Introduction by the Master of Ceremonies

Peter Ricketts, *B.A., Ph.D.*
Provost and Vice-President (Academic)

Conferring of the Degree of Doctor of Laws, *honoris causa*, upon

Her Excellency Sharon Johnston, *C.C., M.Sc., Ph.D.*
(Presented by Norman Hillmer, Professor, History)

Convocation Address

Her Excellency Sharon Johnston, *C.C., M.Sc., Ph.D.*

Conferring of the Degree of Doctor of Laws, *honoris causa*, upon

His Excellency the Right Honourable David Johnston, *C.C., C.M.M., C.O.M., C.D., A.B., LL.B.*
(Presented by Susan Whitney, Associate Professor, History)

Convocation Address

His Excellency the Right Honourable David Johnston, *C.C., C.M.M., C.O.M., C.D., A.B., LL.B.*
Governor General of Canada

Conferring of Degrees and Awarding of Medals

Warrant
Katharine Kelly, *B.A., M.A., Ph.D.*
Marshal of Convocation

Welcome from the Alumni Association

Closing Address by the President and Vice-Chancellor

Roseann O'Reilly Runte, *C.M., B.A., M.A., Ph.D.*

Recessional Music

DOCTOR OF PHILOSOPHY

(Presented by Professor Matthias Neufang
Dean, Faculty of Graduate and Postdoctoral Affairs)

BIOLOGY

Jacob Brownscombe

Behavioural and Physiological Ecology of
Coastal Marine Fish: Basic and Applied
Perspectives
Supervisors: S. Cooke and A. Danylchuk

Imelda de Jesús Galván Márquez

Elucidating Mechanisms of Action of
Bioactive Substances by Chemical-
Genetic Profiling
Supervisors: M. Smith and A. Golshani

Mohsen Hooshyar

Prediction and Investigation of Novel
Proteins in DNA Double Stranded Break
Repair
Supervisor: A. Golshani

Amanda Lindeman*

Acoustic Signalling in the Destructive
Bark Beetle Genus *Dendroctonus*
(Curculionidae: Scolytinae) with
Emphasis on *Dendroctonus Valens*
Supervisor: J. Yack

Kathy Cuc Nguyen*

The Role of Mitochondria in the Potential
Hepatotoxicity Caused by Cadmium
Telluride Quantum Dot Nanoparticles
Supervisors: W. Willmore and A. Tayabali
Specialization in Chemical and
Environmental Toxicology

CHEMISTRY

Anita Chan

Self-Sorting, Sergeant-Soldier, and
Majority Rules Phenomena in Crystals
and Gels of Polyurethane Model
Compounds
Supervisor: S. Sundararajan

Saif Mia

Development of Low Bandgap
Donor-Acceptor Polymers for Use in
Optoelectronic
Supervisor: W. Wang

Peter Jackson Pallister*

Surface Chemistry and Development
of Group 11 and 13 Thin Film Vapour
Deposition Precursors
Supervisor: S. Barry

COMPUTER SCIENCE

Jie Cai

Network Decontamination from Black
Viruses
Supervisors: N. Santoro and P. Flocchini

Amin Gheibi*

Discrete Geometric Path Analysis in
Computational Geometry
Supervisor: J. Sack

Andrew Runka*

On The Control Of Opinion In Social
Networks
Supervisor: T. White

Babak Salimi*

Query-Answer Causality in Databases
and Its Connections with Reverse
Reasoning Tasks in Data and Knowledge
Management
Supervisor: L. Bertossi

Andrew Schoenrock*

Realizing the Potential of Protein-Protein
Interaction Prediction for Studying Single
and Evolutionarily Similar Organisms
and Engineering Inhibitory Proteins with
InSiPS: The *In Silico* Protein Synthesizer
Supervisor: F. Dehne

Ling Xu*

Abstract and Realistic Tree Modeling
Supervisor: D. Mould

PURE MATHEMATICS

Gregory Doyle

Quadratic Form Gauss Sums
Supervisor: S. Alaca

PROBABILITY AND STATISTICS

Ahalya Sivathayalan*

Statistical Properties of the Signal-to-
Noise Crossover Dose Based on the Hill
Model as a Point of Departure for Health
Risk Assessment
Supervisors: P. Farrell and D. Krewski

NEUROSCIENCE

Opal McInnis

Oxytocin, Social Interactions and Coping:
Implications for Depression
Supervisor: H. Anisman

Martin Koji Wellman

The Role of Ghrelin and Ghrelin
O-Acyltransferase in Obesity: Targets for
Treatment
Supervisor: A. Abizaïd

Amir Pourmoghaddas

Quantitative Imaging With a Pinhole
Cardiac SPECT CZT Camera
Supervisor: G. Wells
Specialization in Medical Physics

PHYSICS**James Lacey***

Cross Section Measurements of the
Higgs Boson in the Diphoton Decay
Channel Using Proton-Proton Collision
Data Recorded by the ATLAS Detector
at Centre-of-Mass Energies of 7 TeV and
8 TeV
Supervisor: A. Bellerive
Specialization in High Energy Physics

MASTER OF ARTS

(Presented by Professor Matthias Neufang
Dean, Faculty of Graduate and Postdoctoral Affairs)

**HUMAN-COMPUTER
INTERACTION****Crystal L. Sirard***

A Decision Support Tool for Problem
Detection and Resolution in Healthy
Newborns: An Exploratory Study to
Understand Parental Acceptance and
Perception of Usefulness

MASTER OF COMPUTER SCIENCE

(Presented by Professor Matthias Neufang
Dean, Faculty of Graduate and Postdoctoral Affairs)

Rana Althunyan**Alexis Kenneth Beingessner***

You Cant Spell Trust Without Rust

Michael John Kendal Bingham

Towards Effective Behavioural
Biometrics for Mobile Devices

Ehren Choy

Smooth Signed Distance Field Textures

Ashleigh Michelle Fratesi*

Automated Real Time Emotion
Recognition Using Facial Expression
Analysis

Ziyi Hu**Brian James Robert Moffat****Tommy Reddad***

Encoding Arguments

Hanane Tavasoli*

Advances in Classification in Non-
Stationary Environments

Wenqian Wang**Dingwen Xiao**

Co-operative Education

Senlin Zhang

Co-operative Education

Zhi Zhang***HUMAN-COMPUTER
INTERACTION****Shaikah Bakerman**

Creating 3D Human Character Mesh
Prototypes from a Single Front-View
Sketch

MASTER OF SCIENCE

(Presented by Professor Matthias Neufang
Dean, Faculty of Graduate and Postdoctoral Affairs)

BIOLOGY

Dirk Algera

The Influence of Exogenous Cortisol Manipulation on Parental Investment and Reproductive Success in Nest Guarding Male Smallmouth Bass

Abdulrahman Almohaisen*

Effects of a Northern Contaminant Mixture, Diet, and Body Weight on Glucose and Cholesterol Metabolism and Lipoprotein Signaling in JCR Rat Liver

Ahlam Alsaadi*

Compensatory Evolution in Quinolone Resistant *Escherichia Coli*

Melissa Dick

The Physiological, Behavioural, and Survival Consequences of Two Radio Transmitter Attachment Techniques on Migrating Adult Sockeye Salmon

Ghyda Hashim

Investigation into the Mode of Antifungal Action of Berberine

Gordana Lenert

Role of Genomic Variants in the Response to Biologics Targeting Common Autoimmune Disorders Specialization in Bioinformatics

Ghazaleh Nourparvar

Genetic Interactions and Biochemical Pathways Involved in Escape from *het-6* Incompatibility in *Neurospora crassa*

Victoria Samakai

Investigation of The Dimer Interface and Active Site in Pyridoxal 5 Phosphate Enzymes Cystathionine β - Lyase and Cystathionine γ - Lyase

Himali Silva*

The Effect of Soy Protein on Adipocyte Differentiation and Lipid Accumulation

Daniel Struthers*

The Spatial Ecology and Biological Responses of Wild Fishes Relative to Hydropower Development on the Winnipeg River

Aaron Zolderdo*

Does Nutritional Status Mediate the Consequences of Elevated Cortisol on Wild Fish? Field Manipulations Using Wild Smallmouth Bass

CHEMISTRY

Ryan Abdul-Rahman Girgrah*

Smad Transcription Factor Expression in Anoxia-Tolerant *Trachemys Scripta Elegans* and Dehydration-Tolerant *Xenopus Laevis*: A Comparative Study

EARTH SCIENCES

Jennifer Blanchard*

Geophysical Identification and Characterization of Mafic-Ultramafic Intrusions in Plume Centre Regions

Michael Cunningham*

Aeromagnetic Surveying with Unmanned Aircraft Systems

Susan Angela Kingdon*

Pliocene to Late Pleistocene Magmatism in the Aurora Volcanic Field, Nevada and California, USA: A Petrographic, Geochemical, and Isotopic Study

Alex Quesnel*

Cretaceous (Albian to Cenomanian) Strata of Eagle Plain, Yukon: Subsurface Foraminiferal Biostratigraphy, Regional Correlations and Paleoenvironments

HEALTH: SCIENCE, TECHNOLOGY AND POLICY

Vyjayanthi Sara Ambrose

Jason Dimuzio

Kyle Dwyer

Marie-Claire Flores Pajot

Kayla Leigh Goulet

Neerija Kumar

Sabrina Ladak

Sandy Yee Shan Lam

Jodie Lawlor

Jillian McGivern

Emma Catherine Pagotto

Ariel Elizabeth Root

Monica Shehata

Beth Stanley

Anna Tomczak

**PROBABILITY AND STATISTICS,
APPLIED MATHEMATICS AND
PURE MATHEMATICS**

Sheri Louise Albers

Sulaiman Al Fahad

Chunsan Charles Choi

Daniel Hockey

Network Kriging - Predicting the
Attributes of Nodes in a Network

Alex Hope

Fengji Hou

Xi Lei

Geyijie Li

Gursheen Mann

Lanxin Mei

Haojun Mi

Ommkaltoum Abdallah Mosa Omar*

Deficiency and Ambiguity of Low
Degrees Permutation Polynomials

Jae Kyoung Park

Michel St-Louis

Reproducing Kernels in Time Series
Analysis

Laura Marie Thompson

Yibo Wang

Estimation of the Amount of Sparsity in
Normal Mixture Models

Yueying Wang

Touba Warsi

David Wilson

Mining NHL Draft Data and A New Value
Pick Chart

Ying Yao*

Yanjiang Yu

Associations Between Long Term
Exposure to Air Pollution and the
Incidence of Dementia and Cognitive
Impairment in a Canadian Prospective
Cohort Study

Yuanyuan Zeng

Heng Zhang

Xiuhan Zhang

Rujia Zhao*

NEUROSCIENCE

Shannon Bellevue*

Sex and LRRK2 Genotype Differences
in Inflammation and Dopaminergic
Neurodegeneration in a Multi-Hit Model
of Parkinsons Disease

Carly Marie Crump

Resilience in the Face of Stressors:
Relation to Polymorphisms in Genes
Coding for Neuropeptide-Y and Brain-
Derived Neurotrophic Factor

Lisa Marie Emberley

Siblings of Those With and Without
Mental Illness: Differences in Life
Decisions and Depressive Symptoms

PHYSICS

Raanan Marants*

RADPOS System as a Dose and
Position Quality Assurance Tool for 4D
Radiotherapy with CyberKnife
Specialization in Medical Physics

Hong Shen

Commissioning of the Canadian
Primary Standard for Low Dose Rate
Brachytherapy
Specialization in Medical Physics

Nima Sherafati*

Kilo-Voltage X-Ray Correction Factors
for In-Water Measurements Based on
TG-61
Specialization in Medical Physics

**GRADUATE DIPLOMA IN HEALTH:
SCIENCE, TECHNOLOGY AND POLICY**

(Presented by Professor Matthias Neufang
Dean, Faculty of Graduate and Postdoctoral Affairs)

Jeffrey Keith Graham*

Karen Colleen McCarthy*

BACHELOR OF COMPUTER SCIENCE (HONOURS)

(Presented by Professor Douglas Howe
Director, School of Computer Science)

Brendan David Agnew
Honours

Derek Aubin
Honours

Andrew Thomas Belu
With High Distinction
Co-operative Education

Adam Earl Bennett
With High Distinction

Jacob Barry Paul Brown
Honours
Minor in German

Brendan Scott Carell*
Honours

Lei Chen
With Distinction

Luke Donald Doering
With High Distinction
Minor in Mathematics
Co-operative Education

Adam Jason Donegan*
Honours

Katie Minh Dung Duong
Honours
Minor in Mathematics

Shawn Andrew Raymond Ellis
Honours

Sebastian Evoniak
With High Distinction
Minor in Japanese

Haitham Hashim Fallatah*
With Distinction
Minor in Psychology

Abdul-Karim Farhat
With High Distinction
Co-operative Education

Elaine Gallego
With High Distinction
Co-operative Education

Olivier Hamel
Honours
Co-operative Education

Miika Flynn Heimonen-Mackay
Honours
Minor in Psychology

Kenny Qi-Yen Kan
Honours

Eric Kemp*
Honours

Jason Stuart Kemp
Honours
Minor in Technology, Society, and
Environment Studies

Josiah Benjamin Konrad
Honours

Kirill Kravinskiy
Honours

Nicholas Rafael Torok Laws
Honours
Minor in Greek and Roman Studies

Devin Lynch
Honours

Owen MacWilliam
Honours
Minor in Mathematics

Ahmad Masoud
With Distinction
Minor in Mathematics

Amadeo Mazzara
Honours

Conar James Paul McGill*
With High Distinction

Miran Mirza
Honours
Minor in Greek and Roman Studies

Kevin Nguyen*
Honours

Robert Nguyen
With High Distinction
Co-operative Education

Andrew Kyle Otsuki
Honours
Minor in Economics

Maxime Robert Peabody
With High Distinction
Minor in Mathematics
with Study Year Abroad

Michelle Poon*
With Distinction
Minor in German and Minor in Japanese

Samuel Isaac Prashker
With Distinction
Minor in Business
Co-operative Education

Zach Renaud
With High Distinction
Co-operative Education

Christopher Ryan
Honours

Hassan Said
Honours

Brandon Mackenzie Schurman
Honours

Olexiy Olegovych Shabanov
Honours

Eashan Singh
Honours
Minor in Mathematics

Colin Derek Tinney
With High Distinction
Co-operative Education

Danen Barry Van De Ven
Honours

Joseph L. Van Rompaey
Honours

Xinhao Wang*
Honours
Minor in Economics

Yu'An Wang
Honours
Minor in Psychology

Qingwen Wei*
Honours

Matthew Jacobus Young
Honours
Minor in Business

Fan Zhang
Honours
Minor in Japanese

Yubin Zhou
Honours
Minor in Mathematics

Xian Chi Zou
Honours

BACHELOR OF COMPUTER SCIENCE (MAJOR)

(Presented by Professor Douglas Howe
Director, School of Computer Science)

Ali Abbas

Hussam Abu Baker*

Shahan Ahmed*

Philip Morgan Alexson

Babatope Babajide

Tyler Babin
Minor in Mathematics

Stephen Bakalian*
Minor in Business

Jairus L. Bali
Minor in Economics

Areej Bdira

Yugo Brunet
Minor in Japanese
Co-operative Education

Graham Burry (posthumous)

Michael Catt
Minor in Business

Waseem Chamaa

Jung-Whan Cho

Eric Chung*

Ryan William Clarke

Stefan Couturier
Minor in History

Joshua Randolph DeGagne
Minor in Mathematics

Agheil Fazeli

Derek Felson

Jayant Gadi

Anvar Gazizov*
Minor in Psychology

Max Hanna*

Khama Hastick
Minor in Psychology

Brandon Brian Hurley

Andrei Juc

S M Ahasan Kabir*
Minor in Business

Anton Karpus*

Colin Patrick Kealty

Sina Keang

Jason Knabl

Francis Sebastien Lavoie

Minor in Linguistics

Hyunmin Lee

Minor in Chemistry

With High Distinction

Daniel Lehman

Minor in Mathematics

Stephen Magee*

Co-operative Education

With High Distinction

Archit Mahto*

Kevin Manton

Justin Martins

Veena Rose Mathews

Ryan John Mortfield

Cameron Lewis Ogden

Clayton Mitchell Perroni*

Rickey Pham*

Minor in Japanese

Benjamin William Pomfret*

Minor in Philosophy

Pablo Prado*

Jakub Patryk Rembisz

Minor in Mathematics

Dušan Rozman

Deep Shree

Zhicheng Song*

With High Distinction

Andrew Stansel

Joshua Tai*

Minor in Technology, Society, and

Environment Studies

Gabriel Tobian*

Steven Welch*

Minor in Psychology

Co-operative Education

Matthew Wong

Yan Nan Xie*

Minor in American Sign Language and

Minor in Statistics

Andrew Youssef

Xiao Zhu

Minor in Mathematics

BACHELOR OF MATHEMATICS (HONOURS)

(Presented by Associate Professor David Amundsen
Interim Director, School of Mathematics and Statistics)

Nurul Qurratu'A Awang Haji Ali*

Honours

Mathematics

Kerry Cerqueira

With Distinction

Mathematics

Minor in Computer Science

Bahaa Khaddaj*

With High Distinction

Mathematics

Tremayne Matthew Meikle

Honours

Statistics

Ryan Andre Vander Wielen

With High Distinction

Statistics and Economics

BACHELOR OF MATHEMATICS

(Presented by Associate Professor David Amundsen
Interim Director, School of Mathematics and Statistics)

Abdulkadir Abdi

Statistics

Abdirahman Ahmed*

Statistics

Minor in Economics

Manal Al Ajmi
Mathematics

Salih Raid Salih Al-Bayti
Statistics
Minor in Economics

Ijeoma Anne Ekeruche
Mathematics

Ping Shun Ben Kao
Mathematics

Mohammad O. M. Khashan
Mathematics
Minor in Physics

Adam Kuchno
Mathematics

Jacob Anthony Kwiatkowski
Mathematics

Ronald Paul LeBlanc
Statistics
With High Distinction

Cheng Wei Lin
Mathematics

Te-Hsuan Ma
Mathematics

Qianying Mao
Statistics
Minor in Economics
With High Distinction

Aubrey Maquiling
Statistics
With High Distinction

Chinonso Clinton Obodoechi
Mathematics

Paul Alexander Seward*
Mathematics
With High Distinction

Haochen Shi
Statistics

Yasmina Souley Dosso
Statistics

Evan Mackenzie Trigg
Mathematics

Dylan Scott Vanceeder*
Mathematics
Minor in Geography

Monica Volkov
Statistics
Minor in Psychology

BACHELOR OF SCIENCE (HONOURS)

(Presented by Professor Malcolm Butler
Dean, Faculty of Science)

Michael Abboud
Honours
Chemistry

Dina Abdallah
Honours
Food Science and Nutrition

Rhys Andreas Abdeen
With High Distinction
Neuroscience and Mental Health

Madison Jane Elswitha Adams
Honours
Food Science and Nutrition

Jacqueline Naa Adoley Addo
Honours
Biochemistry

Ali Ahmadi Pirshahid
With High Distinction
Integrated Science
Concentration in Life and Health
Sciences

Paige Allyson Ahrens
With Distinction
Biology and Earth Sciences

Paul Akohene-Mensah
Honours
Integrated Science
Concentration in Science Education
Minor in Psychology

Samer Al Assafin*
With Distinction
Neuroscience and Mental Health
Minor in Psychology

Dorsa Alavifard
Honours
Food Science and Nutrition

Raghd Talal Algawas
Honours
Biology and Biotechnology

Christian Harry Allen
With Distinction
Mathematics and Physics
Minor in Computer Science

Inas Farouk A. Alshawa
Honours
Food Science and Nutrition

Solomon Duncan Appavoo*

Honours
Chemistry

Meheria Breeska Arya*

Honours
Neuroscience and Mental Health
Minor in Psychology

Kamal Jit Atwal

Honours
Environmental Science
Concentration in Chemistry

Robert Aukema

With High Distinction
Neuroscience and Mental Health

Shivani Bahl

With High Distinction
Neuroscience and Mental Health
Minor in Biology and Minor in Psychology

Nicola Bailey

Honours
Food Science and Nutrition
Minor in Biology

Ellen Mariah Ball

With Distinction
Food Science and Nutrition

Shakiba Sadat Bani Fatemi

Honours
Integrated Science
Concentration in Life and Health
Sciences

Lipu Bao

Honours
Chemistry

Stewart Thomas Bigelow

Honours
Chemistry and Earth Sciences

Ryan James Boddis

Honours
Biology
Minor in Earth Sciences: Earth Resources
and Processes

Tim Bosnic

With High Distinction
Neuroscience and Mental Health

Jenna Boulet

With High Distinction
Integrated Science
Concentration in Life and Health
Sciences
Minor in Neuroscience and Mental Health

Matthew Brenning

With Distinction
Environmental Science
Minor in Biology

Jesse Brown

Honours
Chemistry

Matthew Brown

Honours
Environmental Science
Minor in Earth Sciences: Earth Resources
and Processes

Michael Brown

Honours
Neuroscience and Mental Health

Jared Browning

With High Distinction
Biology
Concentration in Health Science

Mawj Ayadh Brykea

Honours
Biochemistry and Biotechnology

Mark Stephen William Bujaki

Honours
Earth Sciences
Concentration in Vertebrate
Paleontology and Paleocology
Minor in Biology

Thomas James Bujaki

Honours
Food Science and Nutrition
Minor in Statistics

Alex Bulch

With Distinction
Biology
Concentration in Health Science
Minor in Psychology

Michael Bushell

Honours
Chemistry
Concentration in Nanotechnology
Minor in Mathematics

Sydney Buttera

With High Distinction
Chemistry
Minor in Sociology

Amanda Christine Carroll

With High Distinction
Integrated Science
Concentration in Forensic Science
Minor in Psychology

Joseph William Snarr Carter

With High Distinction
Physics
Minor in Biology and Minor in
Mathematics

Silvana Chacon Pelaez

With High Distinction
Neuroscience

- Kamil Chadirji-Martínez**
With High Distinction
Earth Sciences
- Alyssa Anne Charlebois**
With Distinction
Neuroscience and Mental Health
Minor in Psychology
- Eunnara Cho***
With High Distinction
Biochemistry and Biotechnology
- Samuel Ward Christie**
Honours
Neuroscience and Mental Health
Minor in Psychology
- Venika Christophe**
Honours
Neuroscience
- Hannah Maria Clouthier**
With High Distinction
Biology
Concentration in Ecology, Evolution and
Behaviour
Co-operative Education
- Emma Collins**
Honours
Neuroscience and Mental Health
Minor in Psychology
- Kristie Comeau**
Honours
Neuroscience and Mental Health
Minor in Psychology
- Emma L. Lunzmann Cooke**
With High Distinction
Environmental Science
Concentration in Biology
- Philip Cooper**
With High Distinction
Neuroscience and Mental Health
Minor in Biology and Minor in Psychology
- Christopher Lee Cogle**
With High Distinction
Integrated Science
Concentration in Life and Health
Sciences
- Nathaniel Cowie***
Honours
Chemistry
Minor in Greek and Roman Studies
- Nicole Kathleen Cruickshank**
Honours
Integrated Science
Concentration in Forensic Science
- Jaclyn Cullen**
Honours
Earth Sciences
Concentration in Vertebrate
Paleontology and Paleocology
- Kathryn Victoria Anne Cyr**
With High Distinction
Integrated Science
Minor in Chemistry
- Nour Dabbour**
Honours
Neuroscience and Mental Health
Minor in Psychology
- Rajaa Debab**
Honours
Integrated Science
Concentration in Life and Health
Sciences
Minor in Psychology
- Natasha Dheda**
Honours
Food Science and Nutrition
- Emily Dickson**
With Distinction
Neuroscience and Mental Health
Minor in Psychology
- Ya Ding**
With High Distinction
Biology and Biotechnology
- Matthew Dale Dixon**
Honours
Neuroscience and Mental Health
Minor in Biology
- Garrett Duff**
Honours
Integrated Science
Concentration in Life and Health
Sciences
- Laura Madelaine Dusmet de Smours**
Honours
Food Science and Nutrition
Minor in Biology
- Oluwadara Olatoun Elebute**
With Distinction
Bioinformatics
- Brittany Ellis**
With Distinction
Chemistry
- Nihal Ahmad Naïm El Masri**
Honours
Neuroscience and Mental Health
Minor in Psychology

Sarah Facette
Honours
Neuroscience and Mental Health

Jenna-Marie Caroline Falbo
Honours
Integrated Science
Concentration in Life and Health Sciences

Fahima Faqiri
Honours
Integrated Science
Concentration in Health Science

Claire Emma Farrell
With High Distinction
Environmental Science
Concentration in Biology

Jordann Grace Foster
With High Distinction
Environmental Science
Minor in Biology and Minor in Geography

Katerina Fraggalosch*
Honours
Neuroscience and Mental Health

Maureen Elizabeth Freemark
Honours
Biology

Alexandra Gale-Mouldey
With High Distinction
Chemistry
Concentration in Nanotechnology

Khalid Gameil
With High Distinction
Applied Physics
Co-operative Education

Ashley Gerber
With High Distinction
Neuroscience

Ann Brittany Gomez
With High Distinction
Biology
Minor in Computer Science

Sean Gorman*
Honours
Chemistry
Co-operative Education

David Graeme Gowing*
Honours
Chemistry and Earth Sciences

John William Grant
Honours
Chemistry and Physics

Rachael Erin Gray
Honours
Neuroscience and Mental Health
Minor in Art History

Jessica Anne Griffith
Honours
Food Science and Nutrition

Samantha Guenette
Honours
Chemistry

Alexander Stanislav Gzyl
Honours
Chemistry
Concentration in Nanotechnology

Owen John Haggart
Honours
Environmental Science
Concentration in Earth Sciences

Laurence Michael Hajjar
With High Distinction
Chemistry

Rebecca Hay*
With High Distinction
Neuroscience and Mental Health

Melanie Ha Yeung*
With High Distinction
Food Science and Nutrition

Jordan Christopher Henry*
Honours
Biology
Concentration in Health Science

Melissa Louise Henry*
With Distinction
Biology
Concentration in Ecology, Evolution and Behaviour

Yahima Hernandez Rojo
Honours
Food Science and Nutrition

Eric James Hickie*
With High Distinction
Earth Sciences
Concentration in Vertebrate Paleontology and Paleoecology

Rachel Hitayezu
With High Distinction
Food Science and Nutrition

Owen Hovey
Honours
Biology

Sanni Mu-Jung Hsieh

Honours
Food Science and Nutrition
Minor in Earth Sciences: Earth Resources
and Processes

Christina Leigh Huchuk

Honours
Biology

Jordan Anita Huffman

With Distinction
Biology
Concentration in Health Science

Drake Hyden

Honours
Environmental Science
Concentration in Earth Sciences

Kathleen Ing

With High Distinction
Neuroscience and Mental Health

Yousaf Iqbal

Honours
Biology
Concentration in Health Science
Minor in Psychology

Daniel Paul Jamieson

Honours
Integrated Science
Concentration in Science and
Technology
Minor in Earth Sciences: Earth Resources
and Processes

Alexander Peter Johnson

Honours
Neuroscience

Alexander Crosby Johnston

Honours
Earth Sciences
Concentration in Vertebrate
Paleontology and Paleoecology

Annie Jones*

Honours
Integrated Science
Concentration in Life and Health
Sciences
Minor in Neuroscience and Mental Health

Mangyung Kandangwa*

Honours
Biochemistry and Biotechnology

Daniel Kazandjian*

Honours
Integrated Science
Concentration in Health Science
with Study Year Abroad

Jawad Khan

Honours
Earth Sciences

Shahbahram Khosraviyani

Honours
Integrated Science
Minor in Physical Geography and Minor in
Geomatics

Hyunsik Fred Kim

With Distinction
Food Science and Nutrition
Minor in Biology and Minor in Economics

Sujeervan Kirupairajah

With High Distinction
Neuroscience and Mental Health

Daniel Paul Klein

With Distinction
Biochemistry
Minor in Mathematics and Minor in
Physics

Paul Glen Knabe

Honours
Earth Sciences

Anna Koudrina

Honours
Biochemistry and Biotechnology

Janine Therese Kowalczyk

With Distinction
Neuroscience and Mental Health
Minor in Psychology

Anna Labudzka

Honours
Earth Sciences

Ayesha Ruth Landon-Browne

Honours
Chemistry and Earth Sciences

Alexandra Laudadio

Honours
Earth Sciences
Minor in Geomatics

Steven Juhyung Lee

Honours
Physics
Minor in Mathematics

Amy May Leese

Honours
Biology
Concentration in Ecology, Evolution and
Behaviour

Morgan Beatty Pierre Le Fevre

Honours
Chemistry
Minor in Psychology

William Legare*

Honours
Biology
Concentration in Health Science

Kyle Roger Lemay*

With High Distinction
Integrated Science
Concentration in Life and Health
Sciences
Minor in Neuroscience and Mental Health

Tai Leung

Honours
Physics

Brianna Taylor Lewis

Honours
Neuroscience and Mental Health
Minor in Business

Holly Dawn Livock

Honours
Integrated Science
Minor in Business

Teah Wen Lizée

Honours
Environmental Science

Kevin Ronald Lum

Honours
Biology
Concentration in Physiology

Bria MacDonald

With High Distinction
Neuroscience and Mental Health

Duncan Ian Macdonald

Honours
Biology and Earth Sciences

Katie MacDonald

Honours
Earth Sciences
Minor in Geomatics

Mason MacDonald*

Honours
Neuroscience and Mental Health

Ulrich Claudel Makanda

Honours
Neuroscience
Minor in Chemistry

Kyle Malone

With High Distinction
Neuroscience and Mental Health

Rebecca Sharon Akhtar Manouchehri*

With High Distinction
Integrated Science
Concentration in Life and Health
Sciences

Whitney Shirley Martin

With Distinction
Neuroscience and Mental Health

Jessica Jayme Leigh Mattice

With High Distinction
Biochemistry and Biotechnology

Veronica Nicole Mazzella

Honours
Integrated Science
Minor in Earth Sciences: Earth Resources
and Processes and Minor in Geomatics

Amanda Rose McFarlan

With High Distinction
Neuroscience and Mental Health
Minor in Chemistry

John Earl McFarlan

Honours
Chemistry

Matthew Eric William McFarland

Honours
Biology

Daniella McLean

Honours
Food Science and Nutrition
Minor in Biology

Merna Megalla

With High Distinction
Food Science and Nutrition
Minor in Biology

Emma Westwell Micalizzi*

With High Distinction
Biology

Ryan Christopher Miller

Honours
Earth Sciences
Minor in Psychology

Armand Mirmiran

Honours
Biochemistry and Biotechnology
Minor in Statistics
Co-operative Education

Nikkita Mistry

Honours
Food Science and Nutrition

Maria Elizabeth Mitri

Honours
Environmental Science
Minor in Biology and Minor in Law
with Study Term Abroad

Steven Cayce Mocko

With Distinction
Biology
Concentration in Health Science

Jason Alexander Moggridge

With High Distinction
Biochemistry

Christopher Henry Mordak

Honours
Biochemistry

Nathalie Moreau

Honours
Neuroscience and Mental Health
Minor in Psychology

Lauren Krystina Murray

Honours
Neuroscience and Mental Health

Laila Ali Mustapha

Honours
Neuroscience and Mental Health
Minor in Psychology

Mayse Naif

Honours
Neuroscience

Vanessa Lauren Kimberley Naish*

Honours
Environmental Science
Minor in Earth Sciences: Earth Resources
and Processes

Mahdi Najem

Honours
Biology

Sierra Alexandra Norville

With High Distinction
Integrated Science
Concentration in Life and Health
Sciences
Minor in Neuroscience and Mental Health

Esohe Blessing Ogbomo

Honours
Neuroscience and Mental Health
Minor in Psychology

Spencer Ryan Oklobdzija

Honours
Environmental Science
Minor in Chemistry

Samantha Oostlander

With Distinction
Neuroscience and Mental Health
Minor in Psychology

Rachael Penman

With High Distinction
Neuroscience and Mental Health
Minor in Biology

Zaneta Polis

With High Distinction
Integrated Science
Concentration in Life and Health
Sciences
Minor in Chemistry

Florence Poon

With High Distinction
Environmental Science
Minor in Biology
Co-operative Education

Amanda Mary Rampersaud

With Distinction
Biology
Concentration in Health Science
Minor in Psychology

Nisita Ratnasari

With High Distinction
Food Science and Nutrition

Gavin Resch

Honours
Mathematics and Physics

Carley Lyn Richards

With High Distinction
Neuroscience and Mental Health

Sarah Richardson

Honours
Biology
Minor in Geomatics

Melissa Catherine Riding*

Honours
Food Science and Nutrition

Emma Grace Riley

Honours
Integrated Science
Minor in Chemistry and Minor in Earth
Sciences: Earth Resources and Processes

Thomas Stephen Ritchie

With High Distinction
Neuroscience and Mental Health

Camille Lowry Roberge*

With Distinction
Environmental Science
Minor in Biology

Glenn Charles Robinson

With Distinction
Earth Sciences

Alicia Nicole Rochette

With Distinction
Environmental Science
Concentration in Biology

Evan Robin Rundle

Honours
Environmental Science
Minor in Biology

Alexandre Salat

Honours
Environmental Science
Minor in Chemistry

Zehranur Sasal

Honours
Neuroscience

Shira Diane Schwartz

Honours
Integrated Science
Concentration in Life and Health
Sciences
Minor in Neuroscience and Mental Health

Mary Elizabeth Sedrak

With High Distinction
Integrated Science
Concentration in Life and Health
Sciences
Minor in Neuroscience and Mental Health

Arjan Singh Sethi*

Honours
Chemistry
Minor in Neuroscience and Mental Health

Sumiya Ahmed Sheikh Abdirashid

With High Distinction
Neuroscience

Michael Silva

With High Distinction
Biochemistry and Biotechnology

Andrew Sokolowski

With High Distinction
Neuroscience

Danielle Francine Soulard

With High Distinction
Biology
Minor in Earth Sciences: Earth Resources
and Processes

Laura Annette Spencer

With High Distinction
Food Science and Nutrition

Julius-Victor Parada Spring

Honours
Integrated Science
Concentration in Life and Health
Sciences
Minor in Neuroscience and Mental Health

Melanie Jean Mary St. Cyr

Honours
Environmental Science
Minor in Biology

Zachary Aaron Steele

Honours
Chemistry and Earth Sciences

Sara Elizabeth Stinson

With Distinction
Food Science and Nutrition

Dillon Spencer Stoddard

Honours
Food Science and Nutrition

Joanna Katarzyna Dobrochna Szyszkowicz

With High Distinction
Neuroscience and Mental Health
Minor in Mathematics

Safa Talal

Honours
Integrated Science
Concentration in Science Education
Minor in Psychology

Rachel Thede

With Distinction
Neuroscience

Ahilan Thomas

Honours
Earth Sciences
Concentration in Geophysics

Gilian Taite Thomas

Honours
Biochemistry and Biotechnology

Amanda Kimberley Thompson

With High Distinction
Neuroscience and Mental Health
Minor in Biology

Kaleigh Timmins

Honours
Biology

Victoria Jean Tolls

With Distinction
Bioinformatics
Co-operative Education

Angie Jamie Verner

Honours
Integrated Science
Concentration in Life and Health
Sciences

Ahalya Vijayaraghevan

Honours
Chemistry

Jan Martha Villamor

Honours
Integrated Science
Concentration in Life and Health
Sciences
Minor in Japanese

Emily Lynn Vinnins

Honours
Neuroscience and Mental Health
Minor in Psychology

Jacob Gary Watkins

With Distinction
Physics

Bradley Weiler

Honours
Biology

Hillary Parker Weinert

With High Distinction
Biochemistry

Robyn Cora White

Honours
Environmental Science
Concentration in Earth Sciences

Kevin Harrison Wong

Honours
Environmental Science
Minor in Biology

Alaina Elizabeth Woolfrey*

With High Distinction
Neuroscience and Mental Health
Minor in Psychology

Boyan Woychyshyn

Honours
Biology

Joseph Christopher Ron Wright

Honours
Neuroscience and Mental Health

Paul St Claude Wright

Honours
Integrated Science
Concentration in Life and Health
Sciences
Minor in Psychology

Qiong Robert Wu

Honours
Earth Sciences

Brian Youden

Honours
Biochemistry and Biotechnology

Zachary Zeghouane

Honours
Earth Sciences

Bei Zhang

Honours
Food Science and Nutrition

Tong Zou*

Honours
Integrated Science
Minor in Statistics and Minor in
Technology, Society, and Environment
Studies

BACHELOR OF SCIENCE (MAJOR)

(Presented by Professor Malcolm Butler
Dean, Faculty of Science)

Kerrin Louise Bellerby

Neuroscience and Mental Health
With High Distinction

Ben-Joshua Singh Chauhan

Biochemistry

Juan Manuel Colicchio

Environmental Science

Chelsea Louise Crozman

Biochemistry
With Distinction

Emily Dal Bello

Biology
Minor in Neuroscience and Mental Health

Jessica Facette

Biochemistry

Hanan Misayer Fahad

Biology

Michel Jean Farah

Neuroscience and Mental Health

Neil Gordon Gilchrist

Biochemistry

Waseem Hasan

Neuroscience and Mental Health

Nicholas Diamond Henderson

Biochemistry

Sarah Ashley Hutson*

Biology
Minor in Neuroscience and Mental Health

Genevieve-Thi Ai Huynh

Neuroscience and Mental Health
Minor in Psychology

Xuan Ji*

Environmental Science

Gandhi Kabamba

Biochemistry

Shrikar Sudhir Khare

Earth Sciences

Maya Kovacs

Biology
With Distinction

Xiaoting Lin

Biochemistry
Minor in Chemistry

Ariana Mazhar
Neuroscience and Mental Health

Samantha Outerbridge
Biology

Anthony Quinn
Biology

Owen Lewis Shanks
Biology

Marissa Simpson
Biology
Minor in Neuroscience and Mental Health

Maggie Tan
Physics
Minor in Mathematics

Tala Teriaky
Neuroscience and Mental Health
Minor in Psychology

Amber Lee Tomkiewicz
Biology

Derek Valencia*
Biology

Aya Yassin
Neuroscience and Mental Health
Minor in French

April Leann Angelica Zappa
Biology
Minor in Psychology

Chongyun Zhang
Environmental Science

BACHELOR OF SCIENCE

(Presented by Professor Malcolm Butler
Dean, Faculty of Science)

Kasra Aminian-Razavi*
Biology

Jing Yi Christine Ao
Integrated Science

Elizabeth Jennifer Bellinger*
Biology

Spencer Bigelow*
Neuroscience and Mental Health
Minor in Biology and Minor in Psychology

Joshua Joseph Boudreau
Integrated Science
With High Distinction

David Collins
Neuroscience and Mental Health
With High Distinction

Meghan Rebecca Cross
Integrated Science
Concentration in Life and Health
Sciences
Minor in Neuroscience and Mental Health
With Distinction

Gray John Daniels*
Integrated Science

Mark Adam Geroux
Chemistry

Zeina Hassan
Integrated Science

Pascal Houde
Neuroscience and Mental Health
Minor in Psychology
With High Distinction

Ehizokhai Iyamu*
Biology
Minor in Psychology

Nyasha Jozzy
Biology

Natalya Kim*
Integrated Science
Minor in Psychology

Greg Dean Lecappelain
Biology

Prestin Rui Liu*
Chemistry
Minor in Computer Science

Eileen Lo*
Neuroscience and Mental Health

Amr Mohamed
Integrated Science
Minor in Earth Sciences: Earth Resources
and Processes

Andreea-Diana Moisa
Neuroscience and Mental Health
Minor in Psychology

Emma Clare Moore

Integrated Science
Concentration in Life and Health
Sciences
Minor in Biology

Kanapatheswara Nadarajah*

Integrated Science

Emily Niblock*

Biology

Yves Nsiala

Chemistry

Pearl Ifeoma Onugha

Neuroscience and Mental Health

Rachael Page

Biology
With Distinction

Daniel William Palubiskie

Neuroscience and Mental Health
Minor in Psychology

Janessa Cornelia Pol*

Biology

Jose Miguel Regalado Flores

Integrated Science
Minor in Chemistry

Melanie Michelle Roman Rabanales

Integrated Science
Minor in Biology and Minor in Psychology

Jessica Saghbini

Biology

Fayez Murdhi Shehab Nasser

Chemistry

Pallavi Shenoy

Chemistry

Scott Geoffrey Tucker*

Integrated Science

Leah Turnbull

Biology

Leah Lorraine Viau*

Biology

Allan Vickers*

Earth Sciences

Sarah N. C. Walker*

Integrated Science

Mariam Yary

Integrated Science

Yan Xin Zheng

Integrated Science

BACHELOR OF ARTS (HONOURS)

(Presented by Professor Malcolm Butler
Dean, Faculty of Science)

Kristi Calderwood*

Honours
Biology
Minor in Psychology

Solange Akawi Kathalay

Honours
Biology

Francesca Licandro

Honours
Biology
Minor in Chemistry

Helen Sandy Pace

Honours
Biology
Minor in Neuroscience and Mental Health

Clark Wilfred Veenstra

Honours
Biology

BACHELOR OF ARTS

(Presented by Professor Malcolm Butler
Dean, Faculty of Science)

Samar El-Tabech

Biology

Gabriella V. Esposto

Biology

Macarena T. Freire Lyon

Biology
Minor in Food Science

Austin Jared Mayers

Biology
Minor in Geography

Pradeep Pararajasingham*

Biology

Samah Saci*

Biology
Minor in Law

Adrienne Maria Sukunda

Biology
With High Distinction

Lena Amy Watkins*

Biology
With High Distinction

Cait Woolner

Biology
Minor in Neuroscience and Mental Health
With Distinction

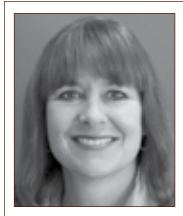
AFTERNOON CEREMONY

Tuesday, June 7, 2:00 p.m.

Degrees conferred at Spring Convocation are awarded by Senate in February and in June.
Degrees awarded in February are denoted by an asterisk (*)

HONORARY DEGREE RECIPIENTS

Gail Asper, O.C., O.M., LL.D.



Gail Asper will be awarded the degree of Doctor of Laws, *honoris causa*, at the 2:00 p.m. ceremony on Tuesday, June 7, "in recognition of her humanitarian work, advocacy for human rights, and leading volunteer service to the community."

The president of The Asper Foundation, Gail Asper practised law for a number of years in Halifax before joining Canwest Global Communications Corp. in 1989 as general counsel, corporate secretary and a director.

She has served on the boards of numerous non-profit groups, including the Royal Manitoba Theatre Centre and United Way, and is currently board chair of the National Arts Centre Foundation, a board member of the Canadian Museum for Human Rights and a governor of Hebrew University of Jerusalem.

She worked for 14 years to develop the Canadian Museum for Human Rights, which opened in Winnipeg in 2014. She has received numerous awards for community service, including the Governor General's Ramon John Hnatyshyn Award for Voluntarism in the Performing Arts, the Order of Manitoba and Officer of the Order of Canada.

Daniel Alfredsson



Daniel Alfredsson will be awarded the degree of Doctor of Laws, *honoris causa*, at the 2:00 p.m. ceremony on Tuesday, June 7 "in recognition of his outstanding contributions to Canadian hockey and, in particular, his commitment to the community through philanthropic efforts that include mental health awareness and advocacy for equality for athletes, regardless of their sexual orientation."

Born in Gothenburg Sweden, "Alfie" was a member of the Ottawa Senators Hockey Club from 1994 to 2013, including 14 years as team captain. He and his wife Brigitte have four sons - Hugo, Louis, Fenix and William.

Daniel represented Sweden internationally 14 times, including the 2006 gold medal and 2014 silver medal winning Swedish Olympic teams.

Daniel won the National Hockey League Rookie of the Year in 1996, and two NHL leadership awards - the 2012 King Clancy Memorial trophy and the 2013 Mark Messier Leadership award.

He is most proud of his work in Ottawa fighting the stigma against mental illness. His efforts have helped people open up and talk about mental health.

ORDER OF PROCEEDINGS

Afternoon ceremony

Tuesday, June 7, 2:00 p.m.

Vice-Chancellor and President Roseann O'Reilly Runte, *C.M., B.A., M.A., Ph.D.*, presiding

The audience is requested to stand when the Academic Procession arrives and remain standing during O Canada and the Elder's greeting. At the conclusion of the ceremony, the audience will wait until the Academic Procession has left before exiting the Fieldhouse.

Processional Music

John Robert Coghill Jr., *B.Mus.* (bagpipes)

Ross Davison (bagpipes)

Garry Matthews (snare drum)

O Canada (The audience is invited to sing. Please see page 2.)

Performed by Malak Ghanem

Accompanied by James Wright

Opening Ceremony

Elder, Thomas Louttit

Representing the First Nations

Introduction by the Master of Ceremonies

Nimal Rajapakse, *B.Sc., M.Sc., Ph.D.*

Vice-President (Research and International)

Conferring of the Degree of Doctor of Laws, *honoris causa*, upon

Gail Asper, *O.C., O.M., LL.D.*

(Presented by Oliver Javanpour, Carleton University Board of Governors)

Convocation Address

Gail Asper, *O.C., O.M., LL.D.*

Conferring of the Degree of Doctor of Laws, *honoris causa*, upon

Daniel Alfredsson

(Presented by Duncan Watt, Vice-President (Finance and Administration))

Convocation Address

Daniel Alfredsson

Conferring of Degrees and Awarding of Medals

Warrant

Katharine Kelly, *B.A., M.A., Ph.D.*

Marshal of Convocation

Welcome from the Alumni Association

Closing Address by the President and Vice-Chancellor

Roseann O'Reilly Runte, *C.M., B.A., M.A., Ph.D.*

Recessional Music

DOCTOR OF PHILOSOPHY

(Presented by Professor Matthias Neufang
Dean, Faculty of Graduate and Postdoctoral Affairs)

ECONOMICS

Beatriz Peraza López

Three Essays on the Study of Persistence
via Impulse-Response Confidence Bands
with Application to Autoregressive
Moving Average (ARMA) Processes
Supervisor: L. Khalaf

Heng Xu

Three Essays on Private Labels, Product
Quality and The Retailers Bargaining
Power
Supervisor: Z. Chen

POLITICAL SCIENCE

Ayşegül Ergül

Walter Benjamin and Kitsch Politics in
the Phantasmagorical Age
Supervisor: T. Darby

Tim Fowler*

Fighting Back After the Neoliberal
Assault: Class Formation, Class Politics,
and the Canadian Autoworkers
Specialization in Political Economy
Supervisor: R. Mahon

Dorian Kroqi*

The President of the European Council
and the Quest for an EU Democracy
Supervisor: A. Hurrelmann

David Perry*

Purchasing Power: Explaining Variation
in the Canadian Armed Forces' Use of
Contracted Services
Supervisor: E. Sloan

Alan James Stephenson

Canadian National Security Culture:
Explaining Post 9/11 Canadian National
Security Policy Outcomes
Supervisor: E. Sloan

Michael To

Chinas Quest for a Modern Constitutional
Polity
Supervisor: T. Darby

Andrea Wagner

Errors of Commission: EU Accession
and the Struggle Against Corruption in
Romania
Specialization in Political Economy
Supervisor: J. Paltiel

MASTER OF ARTS

(Presented by Professor Matthias Neufang
Dean, Faculty of Graduate and Postdoctoral Affairs)

ECONOMICS

Jihad A. D. Abbadi

Concentration in Financial Economics

Nabil Afodjo***Rahinatu Aziz Adams**

Concentration in Financial Economics

Heather Bowyer***Joshua Brault**

A Group-Specific Heterogeneous Panel
Approach to the Impact of Exchange-
Rate Regime on Economic Growth

Laura Jane Brown Caldwell**Oleksiy Alex Chertishchev*****Trevor Cummings**

Concentration in Financial Economics

Christopher Cybulski***Viktoria Galociova**

Concentration in Financial Economics

Daniel Grech*

Specialization in Data Science

Shuwan Guan**Daniella Kwayu**

Concentration in Financial Economics

Yayu Li

Concentration in Financial Economics

Qi Liu

Concentration in Financial Economics

Tyler MacNeill***Terral Mapp****Alexander McGuire***

Specialization in Data Science

Ardyn Theresa Nordstrom
Specialization in Data Science

Evelyn Nyarko
Specialization in Data Science

Joan Ofulue
Specialization in Data Science

Frank Paravan*

Jonathan Reid

Florian Richard

Patrick Jesse Richard

Hammad Senhaji
Concentration in Financial Economics

Gaurav Sharma
Concentration in Financial Economics

John Guillaume St-Laurent O'Connor

Timothy Timothy

Xiang Wei

Timothy William Wiecewski*

Taylor John Wright

Jingjing Xu
Concentration in Financial Economics

Chaohao Zhu
Concentration in Financial Economics

POLITICAL ECONOMY

Matthew Jared Banninga*
The Pacification of Indigenous
Resistance: An *Anti-Security* Analysis
of Idle No More Protest Policing and
Surveillance Operations

Charles Andrew Barclay
Specialization in African Studies

Sean Noel John Cornelissen
Canadian Mining and Mexican Economic
Development

Margaret Crump*
"The Beginnings of Learning":
Attempting to Understand Poverty and
Poverty Reduction in Nunavut

Vladimir Dennis Diaz Cuellar

Scott Jarosiewicz*
Basic Income and Housing Satisfaction:
Evidence from the Mincome Experiment

Richard Morley Lochead

POLITICAL SCIENCE

Tara Michelle Burton

Michelle Elizabeth Cochrane
Ensuring Equity in the Workplace: The
Impact of Government Leave Policy on
Female Workers

Anum Imran
Co-operative Education

Alannah James

Rustem Kaizhakparov

Rodney Leggett

Nicholas Lobraico

MASTER OF SOCIAL WORK

(Presented by Professor Matthias Neufang
Dean, Faculty of Graduate and Postdoctoral Affairs)

Cassandra Erichsen
Shame and Social Work Students: A
Qualitative Interview Study

Kathleen Nicole Fennell*

Christine Kelson

Sara Luck

Martina Markovic Jovicic

Benjamin Pasha*

Andrew Sarti*

Andrew Sherwood

BACHELOR OF ARTS (HONOURS)

(Presented by Professor André Plourde
Dean, Faculty of Public Affairs)

Omar Daoud Abboud

Honours
Applied Economics
Minor in Business

Monisha Ahsan*

Honours
Economics
Concentration in Financial Economics

Syed Adnan Ali*

Honours
Political Science
Concentration in Public Affairs and Policy
Analysis

Noor Al-Jumaili

Honours
Economics
Co-operative Education

Abdulrahman Hamad Alyami

Honours
Applied Economics
Concentration in Financial Economics

Robert John Angell

Honours
Political Science
Concentration in International Relations

Daniel Atlas

With Distinction
Political Science
Concentration in Canadian Politics
Minor in Law

Lamis Mahmoud Adel Atwa

Honours
Applied Economics
Concentration in Financial Economics

Sophia Amethyst Bain

With Distinction
Global Politics
Minor in Law

William Barclay

Honours
Political Science
Concentration in Political Theory
Minor in Philosophy

Alexander Baronins

Honours
Political Science

Victor Gabriel Bavaro

Honours
Political Science

Bryana Jean Beange*

Honours
Economics
Concentration in Financial Economics
Minor in Business

Grant Everett Beardall*

Honours
Political Science
Concentration in International Relations
Minor in Law

Andrew Scott Beatson

Honours
Applied Economics
Concentration in Financial Economics

Nimrit Kaur Bhangoo

With High Distinction
Economics

Christopher Brunet

Honours
Economics
Minor in Business

Luke Michael Budny

Honours
Economics

Anastasiya Bunisevych

Honours
Political Science
Concentration in International Relations

David Burr

Honours
Political Science
Minor in Law

Allan Cameron

Honours
Political Science
Minor in Economics

Kaitlyn Elizabeth Catry*

Honours
Political Science
Minor in Canadian Studies and Minor in
History
Co-operative Education

David Earl Caughey

With High Distinction
Global Politics

Andres Rodrigo Celis Parra*

Honours
Economics
Minor in Statistics

Akshaan Singh Chadha

Honours
Economics

Emilea Ann Chapman

Honours
Political Science
Minor in Law

Gregory Won Buhm Choe

With Distinction
Political Science
Concentration in International Relations
Co-operative Education

Andy Choi*

Honours
Economics
Minor in Japanese

Bohan Chu*

Honours
Economics

Alessandra Cinotti*

With High Distinction
Political Science
Concentration in International Relations

Robert Alexander Coghlan*

Honours
Applied Economics

Maria Teresa Colja

With High Distinction
Political Science
Concentration in International Relations
Minor in History

Dustin J. V. C. Cote

Honours
Political Science
Concentration in Canadian Politics

Daniel Robert Crich*

Honours
Political Science
Concentration in Canadian Politics

Tarik Da'as*

Honours
Applied Economics
Concentration in Financial Economics

Molly Claire Damiani

Honours
Political Science
Concentration in Comparative Politics
and Area Studies (Global South)
Minor in Women's and Gender Studies
with Study Year Abroad

Matthew Peter Daminato*

With Distinction
Political Science
Minor in Law

Layne Stacey Davis

With Distinction
Political Science
with Study Year Abroad

Kristin Laura Delaney

Honours
Political Science
Concentration in Comparative Politics
and Area Studies (Global South)

Christopher Hayward Dick

With High Distinction
Economics
Minor in Mathematics and Minor in
Statistics

Jason Diener

Honours
Applied Economics
Minor in Business

Brayden Jeffrey Dobson

Honours
Political Science
Concentration in International Relations
Minor in Economics

Kathleen Dombowsky*

Honours
Political Science
Concentration in Canadian Politics
Minor in Statistics

Elizabeth Durnford

Honours
Political Science
Concentration in Comparative Politics
and Area Studies (Global South)

Janice Ingrid Margaret Dynka

Honours
Political Science

Ivan Dzeko

Honours
Applied Economics

Hashem Tareq Elfayez

Honours
Economics

Ahmad Wally Eltaher*

With Distinction
Political Science
Concentration in International Relations
Minor in Mass Communication

Wesam Yousef Fageera

Honours
Applied Economics

Mathieu Forcier

Honours
Political Science
Minor in Sociology

Juan-Carlos Galindo

Honours
Political Science

Angelo Gatto

Honours
Applied Economics
Minor in Business
with Study Term Abroad

Ian Francis Gibson

Honours
Economics
Concentration in Financial Economics
Minor in Statistics

William Sean Gibson

With High Distinction
Economics

Ognjen Gutovic

Honours
Political Science
Concentration in International Relations

Aviv Money Guy*

Honours
Political Science
Concentration in International Relations
Minor in Business

Jennafer Anne-Margaret Hartman

Honours
Economics

Ryan Stuart Hill

Honours
Applied Economics

Dominique Michelle Holley

Honours
Political Science
Concentration in International Relations

I Ian Hon

Honours
Economics
Concentration in Financial Economics

Talib Hussain

Honours
Political Science

David Alexander Ionis

With High Distinction
Political Science
Minor in Law
Co-operative Education

Alexander Samuel Katkin

With Distinction
Political Science
Concentration in Canadian Politics

Chantal Lee Keoghan

Honours
Political Science
Concentration in Public Affairs and Policy
Analysis and Concentration in Canadian
Politics

Leah Nicole Kerr

Honours
Applied Economics
Minor in French

Nalini Vijaylakshmi Khurana

With High Distinction
Global Politics

Jessica Britany Klasser

Honours
Political Science
Concentration in International Relations

Lauren Emily Kteily

Honours
Political Science
Concentration in International Relations
Minor in Law

Soon Mo Kwon

Honours
Economics

Matthieu Lajoie

Honours
Applied Economics

Brent Lamothe

Honours
Political Science
Concentration in International Relations

Max Lapointe-Rohde

Honours
Political Science
Concentration in International Relations
Minor in History

Robert Legere

Honours
Political Science
Concentration in International Relations

Dan Qi Li

Honours
Economics
Concentration in Financial Economics

Keying Li*

Honours
Applied Economics

RuiRui Li*

Honours
Applied Economics

Fangchen Liu*

Honours
Economics
Concentration in Financial Economics
Minor in Japanese

Dennis C. Loveridge

Honours
Political Science
Concentration in International Relations
Minor in Economics

Prashath Sivalingam Luedeke

Honours
Applied Economics
Concentration in Financial Economics

Nicholas James Mabee

Honours
Political Science
Minor in History

Spencer Magee*

Honours
Political Science

Walter Katlego Makgoloke

Honours
Applied Economics

Eric Makoge Diabe*

Honours
Applied Economics

Paolo Mangone

Honours
Political Science
Concentration in Canadian Politics
Minor in History

Harrison Joseph Alexander Marando

Honours
Political Science
Concentration in Political Theory

Zeid Imad Marar

Honours
Economics
Concentration in Financial Economics

Trudy Mawlay

Honours
Political Science
Concentration in International Relations

Christopher A. McDonald

With High Distinction
Economics

Kimberley-Ann Meijer

With Distinction
Political Science
Concentration in North American Politics

Rizzieri E. Mendoza*

Honours
Applied Economics
Minor in Psychology

Heather Miedema

Honours
Economics
Concentration in Financial Economics
Minor in Statistics

Martin Mihaly*

Honours
Economics
Concentration in Financial Economics
Minor in Business

Ivan Volodymyrovych Mozgovyy*

Honours
Economics
Concentration in Development

Ritah Muwanguzi

Honours
Political Science
Concentration in Comparative Politics
and Area Studies (Global South)

Jennifer Nguyen*

Honours
Political Science
Concentration in International Relations

Michael Njagi

Honours
Economics
Concentration in Financial Economics

Andrew Noad

With Distinction
Political Science
Concentration in International Relations

Stella Nyasulu

Honours
Economics

Emily Mary O'Brien

Honours
Political Science
Minor in History

Kseniya Ogloblina

Honours
Political Science
Concentration in International Relations
Minor in Law

Sagal Omar

Honours
Political Science
Concentration in International Relations

Mianu Del Carmen Ortega Trujillo

Honours
Political Science
Concentration in International Relations
Minor in History

Brett Parnell

Honours
Political Science
Concentration in Canadian Politics
Minor in Law

Christian Pierre-Pierre

Honours
Political Science
Concentration in International Relations
Minor in Business

Jonathan Michael Pietrantonio

Honours
Applied Economics

Meenakshee Proag

Honours
Economics
Concentration in Financial Economics
Co-operative Education

Jia Chun Qin*

Honours
Applied Economics

Avery Yvon Quesnel

Honours
Political Science
Concentration in Political Theory
Minor in Philosophy

Gurpreet Raindy*

Honours
Economics

Amer Reda

Honours
Political Science

Ethan Vital Robert

Honours
Political Science
Concentration in Canadian Politics
Minor in Law

Gabriel Hender Rodriguez Rondon

Honours
Economics
Minor in Statistics

Madeleine Gayle Rogers*

Honours
Economics
Concentration in Financial Economics
Minor in Business

Christopher Thomas Ryan

Honours
Economics
Minor in Statistics

Mariah Salamani

Honours
Economics
Concentration in Financial Economics

Kai Dimitri Santos

Honours
Applied Economics
Concentration in Natural Resources,
Environment and Economy

Amanit Singh

Honours
Economics
Concentration in Financial Economics

Atamjeet Singh

With Distinction
Economics
Minor in Computer Science and Minor in
Business

Gurman Singh

Honours
Applied Economics
Minor in Business

Patrick Speck

With Distinction
Political Science
Concentration in Canadian Politics
Minor in History

Zachary Sullivan

With High Distinction
Economics

Matthew Swain

Honours
Applied Economics

Salman Adel Taghdi

Honours
Political Science
Concentration in International Relations
Minor in Psychology

Jean-Philippe Tardif*

With High Distinction
Economics

Brett Stephen Thoms

With Distinction
Global Politics

Bradley Tink

Honours
Political Science

Nicholas Twarog

Honours
Political Science

Kelly Lai-Ting Van

Honours
Applied Economics
Minor in Statistics

Elliot Van Woudenberg

Honours
Political Science
Concentration in Public Affairs and Policy
Analysis
Minor in Philosophy

Adriana Carolina Vega Baron

Honours
Applied Economics

German Dario Vega Baron

Honours
Applied Economics
Concentration in Financial Economics
Minor in Statistics

Christian Wan Kam*

Honours
Applied Economics

Matthew Westwell

With High Distinction
Political Science
Concentration in Comparative Politics
and Area Studies (Global North)
Minor in Law

Alexandra Whitney-Bornais

Honours
Political Science

Lindsay Ava Widdicks

Honours
Political Science
Minor in Law
with Study Term Abroad

Mitchell Lyndon Wodz

Honours
Applied Economics
Concentration in Financial Economics

Zhiyuan Yu

Honours
Economics

Yohanan Zemichael

Honours
Political Science
Concentration in International Relations
Minor in Law

BACHELOR OF ARTS

(Presented by Professor André Plourde
Dean, Faculty of Public Affairs)

Adham Abdel-Moneim*

Economics

Elizabeth Achang

Economics

Mehdi Aghakazem Jourabbaf

Political Science

Umar Ishtiaq Ahmad*

Economics

Harry Aime

Political Science
Concentration in International Relations
With High Distinction

Hasah Aljasser

Economics

Walid Khalid Al Jerani

Political Science

Naif Mohammed H Almandeel*

Economics

Aiman Almazloun

Economics

Rana Ali Saleh Al-Shaibi

Political Science

Faiza Al Warraq

Economics
Minor in Law

David Badger

Political Science

Julian Jihoo Bae

Political Science

Ahmed Bafakieh*

Economics

Aisha Baloni

Economics

Michael Barrile*

Economics

Cassandra Beaugé

Political Science

Alexandre Beaupre

Economics

Kyleigh Talysia Rhianna Benninger

Political Science

Robert Andrew Borthwick

Economics

Christopher Brochu

Economics

Robert Brown*

Political Science

Logan Brownrigg

Economics

Sheng Nan Cao

Economics

Nicholas Casselman

Economics

Matthew Sean Celetti

Political Science
Concentration in International Relations

Ashley Ceron

Economics
Minor in Psychology

Lu Chen*
Economics

Tianwen Chen*
Economics

Yang Chen
Economics
Minor in Japanese

Silkie Choi
Economics

Thomas Alan Darroch
Political Science
Minor in History

Alexander Gerald Stephen Davis
Economics

Pawel Dejnicky
Economics

Gurinder Singh Dhunna
Economics

Jamal Anthony Drysdale
Economics

Andrew Martin Eastwood
Political Science
Concentration in International Relations

Omar El Arab*
Economics

Dani El Feghali
Economics

Julianna El-Sabeh*
Political Science
Concentration in International Relations

Jeffrey Bryan Evans*
Political Science
Minor in History and Minor in Law

Layla Farhat*
Political Science
With High Distinction
with Study Term Abroad

Mark Julian Filk
Economics
Minor in Psychology

Vincent Gagne
Political Science

Hui Hui Gao*
Economics

Stephanie Wei Gao*
Economics

Ruben Olivier Gerard-Laroche
Economics

Angela L. Girard
Economics
With High Distinction

Erika Angela Giugovaz
Economics
Minor in American Sign Language

Corey Quinn Grant*
Political Science
Minor in Law

Shan Guan*
Economics

Carie Anne Ching Hadley*
Economics
With High Distinction

Hassan Amr Abdel Hamid Hassan*
Economics

Jia Zhi Huang
Economics

Abdurahman Ibrahim*
Economics
Minor in Philosophy

Quadri Ishola Ismail-Jimoh
Political Science
Minor in Law

Douye Izonfuo
Economics

Steven Anthony Jackson*
Economics

Arif Jaffer
Political Science

Jaber Jaouni
Economics

Atheven Jeyakumaran
Political Science
Concentration in International Relations

Audrey Joynt*
Economics
Minor in Communication Studies

Tobin Kaiman*
Economics

Mariam Farooqui Kamal*
Political Science
Concentration in International Relations

Sajra Karabegovic*
Political Science
Concentration in International Relations

Hwi-Jin Kim
Economics

Hani Ihsan Kurbaj*
Economics

Jongho Lee
Economics

Daniele Lemmo
Economics

Matthew Charles Levesque
Economics

Claire Li
Economics

XiaoYan Li*
Economics

Lauren Lysack
Political Science
Minor in Women's and Gender Studies

Shijia Ma
Economics

Skye MacLeod
Political Science

Faduma S. Mahmoud
Political Science
Minor in African Studies

Hussein Mansour*
Political Science

Guang Yu Mao*
Economics

Eribel Martinez Rodriguez
Economics
Minor in Psychology

Matthew Earl McCauley
Political Science

Melissa McDonald
Economics

Morgan Riane Miller*
Economics

Anthony Matthew Lewis Millson*
Political Science

Tarana Mizan*
Economics

Farhad Mohamed*
Economics

Marco Morelli
Economics

Chin Ho Ng
Economics

Tony Nguyen*
Economics

Yasaman Nikseresht
Economics
Minor in Statistics

Namara Nkuuhe
Economics

Zachary Noble
Economics

Mohamed Nour
Economics
Minor in Psychology

Sam Ohman
Economics

Omar Othman
Economics

Jeffreys Owor
Political Science

Johnathan Papavranoussis*
Political Science
Concentration in International Relations

Cameron Parker
Economics

Ericka Shandelle Parr
Political Science

Mark Stephan Pregler*
Political Science

Alex Joseph Rady
Political Science
Concentration in International Relations
Minor in European and Russian Studies

Abubakar Rana*
Economics
Minor in Law

Shaheed Ratanshi
Political Science
Minor in Spanish

Sara Rezayee
Political Science
Concentration in International Relations
Minor in History

Daniel Rodrigue
Economics

Hannah Letitia Rolston*
Economics

Monique Shanika Rowe
Economics

Perry Fritz Reuter Rutherford
Political Science

Elizabeth Schmidt
Political Science

Matthew Douglas Schneider
Economics

Tal Segal
Political Science
Concentration in International Relations
Minor in Economics

Jordan Shalaby*
Political Science

Bairong Shao
Economics

Samuel Henry Holt Shoffner
Economics

Matthew McNeil Silins*
Political Science
With High Distinction

Anthony Singeris
Economics

Amit Singh
Economics

Jeetinder Singh Sohal*
Economics

Nicholas Luke Smith
Political Science
Concentration in International Relations

Arthur Glen Robertson Smyth*
Political Science

Tiouman Jean-Armand Soro*
Political Science
Concentration in International Relations

Shannon Lynne Stanbridge
European and Russian Studies

Jeff Karl Stengel
Political Science

Jane Elizabeth Stratton-Zimmer
Political Science

John Bernard Sullivan*
Political Science
Concentration in Canadian Politics
Minor in Communication Studies

Xingyu Sun
Economics

Sydney Sarah Sweet*
Economics

Zamar Taha Sobeh
Political Science

Usama Tariq
Economics

Prutha Thaker
Economics

Justin Theriault*
Political Science

Sikai Wang
Economics

Yangyang Wang*
Economics

Jessica Rae Wharram
Political Science
Concentration in Canadian Politics
Minor in Psychology

Hubert White
Economics

Jing Wu
Economics

Mengyuan Xiao
Economics

Xiaoyu Xu*
Economics

Xunyuan Xu
Economics

Yu Yang
Economics

Kun Quan Yue*
Economics

Mohamad Zaher*
Economics
Minor in Mathematics

Xiaolan Zang*
Economics

Omar Zeine*
Economics
Minor in Psychology

Yahui Zheng*
Economics

Xinke Zhu*
Economics

BACHELOR OF SOCIAL WORK

(Presented by Professor Gerald deMontigny
Director, School of Social Work)

Folake Afolayan*
Honours

Kimberley Allenby
Honours

Charlotte Siobhan Allison*
Honours

Ruth Alvarez
Honours

Aster Andemariam
Honours

Sarah Arnold
Honours
Minor in Psychology

Kylie Aucoin
Honours

Ariella Babiev
Honours

Andrea Boles*
Honours

Natalie Bosc*
With High Distinction

Samantha Caines
With Distinction
Minor in Psychology

Emily Capstick
With High Distinction
Minor in Religion

Rhonda Chamberlain*
With High Distinction

Samantha Charlotte Chase
With Distinction
Minor in American Sign Language

Rheanna Chisholm
Honours

Sophie Chochla
Honours

Nicolas Matthew Chranowsky
Honours

Carol Lynn Crawford
With High Distinction

Evan John Culic*
Honours

Anna Currie
With High Distinction

Christopher Maxim Piercey Dalton*
Honours

Reuel Kofi Omari Dartey
Honours
Minor in Political Science

Arielle Di Domenico*
Honours

Sabrina Falcomer*
Honours

Zoey Feder*
Honours

Kai Foster
With Distinction

Tamara Furlotte
Honours
Minor in Psychology

Alexis Elizabeth Gentile
Honours

Emily Gilchrist
Honours

Maegan Gordon
With Distinction

Lindsay Grenon*
With High Distinction

Aisha Hagi-Aden
Honours

Caleb Hans
Honours

Krista Anne Helman
Honours

Kaitlyn Hines*
Honours

Jessica Jackson Clement
Honours

Ayan Jama*
Honours

Lyle Jasper
With High Distinction
Minor in Music

Ze Ling Jiang*
Honours

Stacey Ntangaaza Karuhanga
Honours
Minor in Psychology

Emily Ann King*
Honours

Amanda Lam
Honours

Victoria Marie Lane
With Distinction
Minor in Psychology

Anthony Lawrence
With High Distinction

Chantal Leger
Honours

Julia Lennon
With Distinction

Allison Leone Letourneau
Honours

Kate Marie Lines*
Honours

Sarah Elizabeth MacDonald
Honours

Lucas Amerigo Martinelli
Honours
Minor in Psychology

Shawn Donovan McCullough*
Honours

Laura McGlade*
With Distinction

Amber McMachen*
Honours

Jessica Mennen*
Honours

Lisa Ann Montroy
With High Distinction

Jeffrey John Moon
With Distinction

Michael Murphy*
Honours

Adèle Nicolette Nussey
Honours

Jenna Odorico
Honours

Kirsten Orloff
Honours
Minor in Psychology

Bola Sandra-Jean Oyesiku-Osakwe*
Honours

Joshua Pierce
With High Distinction

Amma Poku-Dapaah
With High Distinction

Kayla J. Power*
Honours

Tabitha Prendergast
With Distinction

Lindsay Pritchard
Honours

Kaitlin Renwick
Honours

Lauren Richards*
With Distinction

Paulina Constanza Rojas-Coutino*
Honours
Minor in Neuroscience and Mental Health

Geneviève Elitha Margaret Roots
With High Distinction
Minor in Sexuality Studies

Jenna Roy*
With Distinction

Patricia Nicole Roy
With Distinction

Kathryn Ryer
Honours

Brooke Saltern*
With High Distinction

Kara Justine Saumure
With High Distinction
Minor in American Sign Language

Karen Emily Schneller Nolan*
Honours

Gillian Elaine Scott*
Honours

Jason Lovatt Sheedy
With Distinction

Christine Erin Shoniker
With Distinction
Minor in American Sign Language

Caroline Smisek
Honours

Jenna Spagnoli
Honours

Natalie Kathryn Stern
Honours
Minor in Psychology

Michael Sullivan*
Honours

Christine Louise Sutherland
With Distinction
Minor in Neuroscience and Mental Health

Kathryn Barbara Thomas
Honours
Minor in Psychology

Laura Gabriella Thompson*
Honours

Michelle Lynn Toshack
Honours
Minor in Psychology

Chelsea Alexandra Vyvey*
Honours
Minor in Women's and Gender Studies

Hannah Walt
With High Distinction

Kelly Lee White
With High Distinction
Minor in Psychology

Anika Young*
Honours

POST BACCALAUREATE DIPLOMA IN ECONOMICS

(Presented by Professor André Plourde
Dean, Faculty of Public Affairs)

Temitope Akashoro
Adebayo Ayodele*
Chukwunonso Ezudo
Mehedi Hasan

Scott McNeil
Oreoluwa Okunlola
Zihan Xu

ALUMNI ASSOCIATION WELCOME



Congratulations on obtaining your degree from Canada's Capital University, and welcome to the Carleton University Alumni Association (CUAA).

With your remarkable achievement today comes membership in a thriving club — a dynamic organization of more than 140,000 people living and working around the world who all share a proud connection with this university. This network can help you realize your dreams, open doors around the world, and connect you to your alma mater.

This is a day for celebration, but it also presents an opportunity for reflection. As you savour your accomplishment, take a moment to look back on your years at Carleton. Remember the ideas that challenged you, the professors who inspired you, and the lifelong friendships you have made. You will treasure these wonderful Carleton memories for the rest of your life.

On behalf of your Alumni Association, congratulations on reaching this milestone. Welcome to the CUAA — we're here to help you as you embark on a happy and successful future.

Jay Nordenstom, *B.A.*
President, Carleton University Alumni Association