

Carleton

UNIVERSITY



152ND CONVOCATION

Tuesday, June 12

2018

2018 SPRING CONVOCATION

Convocation at Carleton.....	3
Officiating Officers.....	5
Assisting the Vice-Chancellor.....	6
University Awards.....	7
Medallists in the Graduating Class.....	8



Morning Ceremony – Tuesday, June 12, 9:30 a.m.

Honorary Degree Recipient, Gilles Patry	14
Order of Proceedings	15

Doctor of Philosophy; Master of Arts; 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 Health Sciences (Honours); Bachelor of Health Sciences; 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



Afternoon ceremony – Tuesday, June 12, 2:00 p.m.

Honorary Degree Recipient, Helen Clark	38
Order of Proceedings	39

Doctor of Philosophy; Master of Arts; Master of Social Work; Bachelor of Arts (Honours); Bachelor of Arts; Bachelor of Economics (Honours); Bachelor of Economics; Bachelor of Global and International Studies (Honours); Bachelor of Global and International Studies; Bachelor of Social Work; Post Baccalaureate Diploma in Economics

Alumni Association Welcome.....	52
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O CANADA

O Canada! Our home and native land!
True patriot love in all of us command,
Car ton bras sait porter l'épée,
Il sait porter la croix!
Ton histoire est une épopée
Des plus brillants exploits,
God keep our land glorious and free!
O Canada, we stand on guard for thee.
O Canada, we stand on guard for thee.

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 more than 30,000 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 EAGLE STAFF

The Eagle Staff is sacred to many Indigenous peoples. It represents the strength and resilience of Indigenous communities and is traditionally carried by someone who has served their community in combat, in leadership or spiritually. In 2013, Indigenous students at Carleton were gifted an Eagle Staff with ribbons and eagle feathers representing First Nation, Métis and Inuit learners. Since then, the staff is carried by an Indigenous student and leads the procession during Convocation. This acknowledges that Carleton University is situated within the unceded and unsurrendered territories of the Algonquin Nation.

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.

As well, Indigenous graduates and faculty may choose to wear traditional Indigenous attire, in lieu of a gown. The hood may be carried rather than worn, depending on cultural protocols. Carleton acknowledges the diversity of Indigenous peoples, communities and nations and recognizes that traditional Indigenous attire may vary.

All three academic 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; architecture is hot pink; 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

President and Vice-Chancellor



Alastair J. S. Summerlee, FCAHS, LL.D., B.Sc., B.VSc., Ph.D., MRCVS

A passionate humanitarian, dedicated teacher, and internationally renowned researcher, Alastair Summerlee is the interim president and vice-chancellor of Carleton University.

Previously the president, vice-chancellor and professor of Biomedical Science at the University of Guelph, Summerlee spent six years on the board of the World University Service of Canada where he became involved in humanitarian issues in refugee camps.

He has published numerous scientific articles and book chapters, written about teaching and teaching practice, advocated for better conditions for people in refugee camps and is regularly invited to speak at international meetings. His current research focuses on a simple innovation to solve iron deficiency known as the Lucky Iron Fish®.

Chair of the Board of Governors



Christopher Carruthers, B.Sc., M.D., M.B.A., I.C.D.

Christopher Carruthers, health-care consultant and corporate director, is a retired orthopedic surgeon and the previous chief of staff of The Ottawa Hospital. He is a graduate of Carleton University (B.Sc.), the University of Ottawa (M.D.), and Concordia University's Executive M.B.A. program. Dr. Carruthers is a director of the Ottawa Airport Authority and the Mach-Gaensslen Foundation. He is chair of these two boards. He is a past chair of the Ashbury College Board and its foundation and has served on numerous other health services and hospital boards.

The Presiding Officer of Convocation is the President and Vice-Chancellor of the University, Alastair J.S. Summerlee, *FCAHS, LL.D., B.Sc., BVSc, Ph.D., MRCVS*.

Accompanying him on the podium for today's ceremonies is Christopher Carruthers, *B.Sc., M.D., M.B.A., I.C.D.*, Chair of the Board of Governors.

ASSISTING THE VICE-CHANCELLOR

Marshal of Convocation

Donald L. Russell
Associate Dean, Faculty of Engineering and Design
Professor, Mechanical and Aerospace Engineering

Associate Marshals of Convocation

Anne Bowker
Associate Professor, Department of Psychology

Chris Brown
Program Director, Bachelor of Global and
International Studies

Benjamin Gianni
Associate Professor, Azrieli School of Architecture
and Urbanism

Heng Khoo
Associate Professor
Department of Civil and Environmental Engineering

Catherine Khordoc
Associate Dean, Faculty of Arts and Social Sciences

Danette Nearing-Guibord
Instructor III, Institute of Criminology and
Criminal Justice

Inger Weibust
Assistant Professor, Norman Paterson School of
International Affairs

Yiqiang Q. Zhao
Associate Dean, Faculty of Science

Eagle Staff Carrier

Shane Polson
Algonquin Nation

Beadles of Convocation

Landon Adams
Engineering Undergraduate Academic Support
Assistance, Faculty of Engineering and Design

Donald Bailey
Instructor III, Department of Systems and Computer
Engineering

Diane Berezowski
Assistant Co-ordinator, Circulation, Audio-Visual
Resource Centre, School for Studies in Art and
Culture

Laura Brawn
Disabilities Co-ordinator, Paul Menton Centre

Allyson Buchanan-Watson
Student Success Officer, Office of the Dean of Arts
& Social Sciences

Sandra Cloutier
Undergraduate Administrator, Department of
Health Sciences

Samantha Colasante
Engineering Quality and Accreditation Officer,
Faculty of Engineering and Design

Rose Crossett
Alumni & Donor Relations Officer,
Department of University Advancement

Linda Cruz

Conference Co-ordinator, Conference Services

Shaundel Dottin-Agim
Recruitment Events Co-ordinator, Undergraduate
Recruitment Office

Nana Frimpong
Admissions / Recruitment Assistant, Undergraduate
Recruitment Office

Darlene Gilson
Faculty Research Facilitator, Carleton Office for
Research Initiatives and Services

Rhonda Kelly
Undergraduate Program Development and
Outreach Co-ordinator, Sprott School of Business

Lana Keon
Institute Administrator, The Pauline Jewett Institute
of Women's and Gender Studies

Jo-Anne McFarlan
Research & Records Assistant, Department of
University Advancement

Aleksandra Minic
Discovery Centre Administrator, Office of the Vice-
President Academic

Scott Mitchell
Chair and Associate Professor, Department of
Geography and Environmental Studies

Rosemary O'Hearn
Executive Assistant to the Provost and Vice-
President Academic, Office of the Provost and Vice-
President (Academic)

Sarah Quirt
Research, Graduate and Event Co-ordinator, Office
of the Dean of Arts & Social Sciences

Claire Ryan
School Administrator, Azrieli School of Architecture
and Urbanism

Francesca Tsimiklis
Engineering Undergraduate Academic Support
Assistance, Faculty of Engineering and Design

Petra Watzlawik-Li
Associate Director, Centre for Initiatives in
Education

Pamela Wolff
Instructor, Department of Chemistry & Institute of
Environmental Science

The university acknowledges the many faculty, staff, campus departments and ancillary operations for their valuable contribution to the success of the Spring 2018 Convocation ceremonies.

UNIVERSITY AWARDS

Board of Governors Award



The Board of Governors Award recognizes exemplary volunteerism involving the not-for-profit sector and, as such, honours non-academic accomplishments during a full-time program of study at Carleton University.

Christian Robillard, B.P.A.P.M., M.P.N.L.

Christian is graduating with a Master's in Philanthropy and Non-Profit Leadership and already holds a Bachelor's degree in Public Affairs and Policy Management with a specialization in Social Policy.

Christian has channelled his passion to champion causes that resonate with him and support those in need. He has been described as being born with a taste for philanthropy and volunteerism and lives by his motto. He truly believes that we can support one another and that, working together, good things happen in our communities.

During his undergraduate and graduate studies at Carleton, Christian served as co-chair of the Carleton Community Campaign that raised over \$300,000 per year; led the Student Philanthropy Council; founded and was president of Carleton's Association of Fundraising Professionals Collegiate Chapter; served as sponsorship and grants co-ordinator for the Carleton University Students' Association; and sat on the university's first two Giving Tuesday fundraising campaign committees.

On campus, Christian reached out to student groups, giving leadership and philanthropy talks aimed at empowering fellow students who want to do good.

In the wider community, Christian aided in raising more than a million dollars in total for the Children's Hospital of Eastern Ontario, Children's Wish Foundation of Canada, Youth Ottawa, and the Ottawa Boys and Girls Club. He also worked with the consulting firm The Sponsorship Collective designing organizational sponsorship strategies.

To top Christian's sterling philanthropic and volunteer commitments, he has secured a 2018-2019 TD Insurance Fellowship in Advancement which provides practical experience to emerging professionals.

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

David Smith
Hao Yu Wang

CHANCELLOR'S MEDAL

Awarded annually in the name of the chancellor of the university to a graduating student of outstanding academic achievement

Traleena Marie Rouleau

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

Cory Daniel Giordani

UNIVERSITY MEDAL FOR OUTSTANDING GRADUATE

WORK—Doctoral level

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

Laura L. Ooi

UNIVERSITY MEDAL FOR OUTSTANDING GRADUATE

WORK—Master's level

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

Bradley John Kuiack

UNIVERSITY MEDAL

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

Architectural Studies

Thomas Daniel Brintnell

Arts

Jared Jollymore

Alyssa Lindsay-Brown

Cognitive Science

Amanda Bon

Commerce

Chongo Bwalya

Communication and Media Studies

Catherine Zoe Supple-Craig

Computer Science

Matthew William Penny

Economics

Sachin Ivan Ramaniah

Engineering

Tristan Montoya

Global and International Studies

Patricia Veronica Wallinger

Health Sciences

Melinda Margareta Caputo Janhager

Humanities

Kathleen Victoria Simms

Industrial Design

Lisa Simla

Information Technology

Raman Poply

International Business

Zachary Liam Hall

Journalism

Isaac Samuel Thorpe Wurmman

Mathematics

Andrej Vukovic

Music

Sarah Patricia Howard

Public Affairs and Policy Management

Claire Elizabeth Finkbeiner

Science

Sarah Kealey

Social Work

Ericha Braun

SENATE MEDALS FOR OUTSTANDING ACADEMIC

ACHIEVEMENT—Graduate
Awarded, when merited, to graduating
students of outstanding academic
achievement

Doctoral level

Mary Holliday Bartram

Robert Anthony Helal

Victor Malkov

Cristina Ruiz Martin

Chelsea Sheahan

Master's level

Hali Lynn Barber

Robyn Joelle Chatwin-Davies

Francine Harris

Daniel Melean

Jacob Miall

Emma Westwell Micalizzi

Brandon Robert Alexander Smith

SENATE MEDALS FOR OUTSTANDING ACADEMIC

ACHIEVEMENT—Undergraduate
Awarded, when merited, to graduating
students of outstanding academic
achievement

Adam Abdulrahman

Sara Winona Adams

Abrar Ahmad

Massil Ait-Ouali

Bradley Lewis Alford

Alizeh Alvi

Darrin William Antler

Megan Ardron

Jessica Lynn Armstrong

Alanna Bamber

Dennis Georg Bass

Joel Douglas Derek Baylis

Rosalynn Berti

Nicolas Robert Bialik

Gabriella Patrizia Elizabeth Bianchi

Liam James Bills

Charles Jonathan Bimm

Amy Booth

Giuliana Borracci

Evan Quinn Bottomley

Balma Jemi Braimah

Ian Braithwaite

Connor Branch

Christopher Michael Breen

Charles-Antoine Joseph Brosseau

James Robert Bruce

Bennett Candy

Natalie Rose Canham

Martha Rose Cassidy

Shadi Chamseddine

Samantha Elizabeth Chan

Vincent Ian Charbonneau

Tyson Patrick Chen

Anand Chopra

Bronwyn Chorlton

Victoria Etta Christie

Emily Clarkson
Sarah Michelle Cole
Eleanor Coleman
Veronica Daniele Colquhoun
Anastasia Lisa Conway
Austin Guy de St. Croix
Sophie Natalie Debbané
Alexa Rae Derksen
Keisha Bess Louise Derrick
Samuel Denis Dionne
Laura Katherine Dodge
Victoria Francesca Douglas
Ryan Dubney
Dominique Dupont
Robert Evelino Durofil
Alicia Duval
John William Mackenzie Dykes
Christine Amy Ellis Wong
Austin R. Emhö
Lance Encarnado
Sarah Corinne Endenburg
Jesse Eyler-Fitzpatrick
Jessy Erin Fletcher-Randle
Jennifer Franklin
Timothy Mark Garant
Nadine Gaskell
Claudia Jade Gaudreault
Marc Godin
Peter Eric Gott
Kim Graveline
Alison Shier Griffith
Kurt Michael James Grunsky
Firdous Hadj-Moussa
Nadim Hammoud
Sascha Andrew Harvey
James Jay Denis Herringer
Riley John Hickman
Abigail Hoekstra
Khan Mohammed Mohaimenul Hossein
Shamsuttoha
Benjamin Hovey
Rachael Beth Irwin
Isaac Isenor
Ameen Ismail

Brodie Mark Jackson
Amit Jain
Kenny Jiang
Connor Terris Jones
Chloe Suzanne Jones
Kaitlin Elise Jourdeuil
Gregory Juneau
Emily Kaczmarek
Vasileia Karasavva
Kamran Karim
Heinz Peter Benjamin Kaufmann
Kristin Kelly
Krystal Viola Kelly
Brandon Robert John Kerr
Stacie Marie Kerr
Daniel Kidd
Daniel King
Juhandre Knoetze
Justin Thomas Krol
Jordan Tiffany Levy
Summer Kelly Lewis
Savannah Haley Marie Lightfoot
Nathan Di-Son Lim
Jade Lim Tung
Mariah Maadarani
Victoria Grace MacDonald
Hannah Macdonald
Clare Maier
Alan James David Malcolm
Jaye Holmes Mangione
Jamie L. Marrs
Kevin Charles Mason
Jacqueline Matthews
Natalie Monica Mazur
Stephanie Kathleen McHugh
Rebecca Lynn McKay
Sarah McKinnon
Taylor James McKinnon
Eric McLaren
Dominique Mesina
Christina Milani
Timothy Miller
Calvin Jeffrey Miller
Kaitlin Louise Montague

Madeline Leah Moore
Connor Diego Mosquera
Alex Mulet Indrayanti
Jordan Sidney Christopher Mulvihill
Edwin Joseph Munoz Lopez
John Alexander Naftel
Benjamin Nicoletta
Viktor Venelinov Nikolov
Remy David Niles
Graeme O'Farrell
Julia O'Quinn
William Oakman
Jordan Duane Omstead
Natasha Dianne Osborne
Chiara Palumbo
Sepinood Parvizia
Kent Peters
Amanda Petropoulos
Laura Lee Phillips
Samantha Hope Pitre
Isabella Grace Priddle
Teeghan Marie Erika Rambo
Sabrina Noël Reaume
Katherine Elizabeth Reid
Jason Reifstenzel
Jeremy Rioux
Anna-Marie Robertson
Elizabeth Robson Gordon
Said Ali Said
Kyle Alexander Fisher Sale
Amr Salem
Dominik Schmidlein
Missy Schutten
Amanda Taylor Seed
Noah Samuel Louis Segal
Claire J. G. Semple
Chantal Shaib
Kaila Shatosky
Kevin Lloyd Shimotakahara
Ian James Brydon Smith
Tegan Smith
Hosnia Ines Souley Dosso
Sebastian A. Srugo
Terrin Adam Stachiw

Danisz Stalinski
Chloe Isabelle Stevens
Andrew Jackson Stobbe
Kyle Tapp
Shayne Andrew Flynn Taylor
Michael Stone Tiberio
Ryan Matthew Toonders
Andrew R. Trenholm
Julia Marie Van Drie
Amos Si Yuan Vang
Irusha Vidanamadura
Emily Anne Warner
Julia Francesca Maria Weber
Benjamin Haworth Wilkinson-Zan
Tiffany Chi Man Wong
MaryAnn Wu
Luji Xie
Elisabeth Bailin Xie
Viktoria Xing
Christine-Mary Yassa
Negeen Yazdani
Zachary Zanussi
Xiusan Zhou
Yujie Zhou
Andrew Vincent Zwaniga

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 12, 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 RECIPIENT

Gilles G. Patry, C.M., O.Ont, P.Eng, Ph.D, FCAE



Gilles G. Patry will be awarded the degree of Doctor of Laws, *honoris causa*, at the 9:30 a.m. ceremony on Tuesday, June 12, “in recognition of his leadership in fostering co-operation and innovation in the post-secondary education sector in the Ottawa region and in Canada.”

Currently, he is executive director of the U15-Group of Canadian Research Universities, an organization that develops education and research policy in Canada and across the globe.

He holds a B.A.Sc. and M.A.Sc. in civil engineering from the University of Ottawa and a Ph.D. from the University of California-Davis. Patry was an environmental engineering consultant before teaching civil engineering at École Polytechnique and McMaster University.

Patry returned to the University of Ottawa in 1993 as dean of engineering. He then took on the role of vice-president (Academic) in 1997 and eventually became president and vice-chancellor between 2001 and 2008. In 2010, he was appointed head of the Canadian Foundation for Innovation, a position he held until 2017.

He is a member of the Order of Canada, recipient of the Order of Ontario and a fellow of the Canadian Academy of Engineering. He has also received honorary doctorates from the University of Waterloo, McMaster University, University of Lyon and Western University.

ORDER OF PROCEEDINGS

Morning ceremony

Tuesday, June 12, 9:30 a.m.

President and Vice-Chancellor Alastair J. S. Summerlee, *FCAHS, LL.D., B.Sc., B.VSc., Ph.D., MRCVS*, 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

Zachary Dwyer (bagpipes)
Gregory Joseph (bagpipes)
James Bush (snare drum)

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

Performed by Michelle Gendron

Opening Ceremony

Elder Thomas Louttit
Cree Nation

Introduction by the Master of Ceremonies

Rafik Goubran, *Ph.D., P.Eng., IEEE Fellow, FCAE*
Vice-President (Research and International)

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

Gilles G. Patry, *C.M., O.Ont, P.Eng, Ph.D, FCAE*
(Presented by Roseann O'Reilly Runte, *C.M., Ph.D.*
President and CEO, Canada Foundation for Innovation)

Convocation Address

Gilles G. Patry, *C.M., O.Ont, P.Eng, Ph.D, FCAE*
Executive Director, U15 - Group of Canadian Research Universities
Former President & CEO, Canada Foundation for Innovation

Conferring of Degrees and Awarding of Medals

Warrant
Donald L. Russell, *Ph.D.*
Marshal of Convocation

Welcome from the Alumni Association

David Skinner, *B.Sc.*

Closing Address by the President and Vice-Chancellor

Alastair J. S. Summerlee, *FCAHS, LL.D., B.Sc., B.VSc., Ph.D., MRCVS*

Recessional Music

DOCTOR OF PHILOSOPHY

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

BIOLOGY

Anatoly Belov*

Transcriptome Analysis of Programmed
Cell Death Associated with
Allorecognition in Chestnut Blight
Fungus *Cryphonectria Parasitica*
Supervisor: M. Smith

Shannon Bower

Advancing an Integrated Protocol for
Rapid Assessment of Catch-and-Release
Recreational Fisheries in the Developing
World
Supervisors: S. Cooke

Sarah Harrison

The Effects of Dietary Nutrient Balance
on Life-History Traits and Sexual
Selection in the Field Cricket, *Gryllus*
Veletis
Supervisors: S. Bertram and J. Godin

Andrew Donovan Young

Systematics of Lower Cyclorrhaphan
Diptera, with An Emphasis on Syrphidae
Supervisors: J. Skevington and J.
Dawson

CHEMISTRY

Katrin Blank

Targeted Quantitative Lipidomics of Cold
Stress and the Development of Methods
to Increase the Sensitivity of Proteomics
Analyses Using Mass Spectrometry
Supervisors: J. Smith
Specialization in Chemical and
Environmental Toxicology

COMPUTER SCIENCE

Furkan Alaca

Strengthening Password-Based Web
Authentication Through Multiple
Supplementary Mechanisms
Supervisors: P. Van Oorschot

Carsten Uwe Grimm*

On Two Problems Regarding Farthest
Distances in Continuous Networks
Supervisors: M. Smid and S. Schirra
In Cotutelle with Otto von Guericke
University Magdeburg and Parchment
only Valid with other Parchment

David Greig McKenney*

On Behaviour-Based Network Inference
and Distribution-Based Network Control
Supervisors: A. White

David Edward Robillard

Distributed Real-Time Analysis of High-
Velocity Many-Dimensional Data Sets
Supervisors: F. Dehne

Abdolreza Shirvani

Novel Solutions and Applications of the
Object Partitioning Problem
Supervisors: J. Oommen

EARTH SCIENCES

Kyle D. Harris*

The Use of Distributed Acoustic Sensing
for 4D Monitoring Using Vertical Seismic
Profiles: Results from the Aquistore CO2
Storage Project
Supervisors: C. Samson and D. White

PURE MATHEMATICS AND PROBABILITY AND STATISTICS

Goldwyn Millar*

A Character Formula for the Sidelnikov-
Lempel-Cohn-Eastman Sequences
Supervisors: S. Alaca

Wei Qian

Analysing Correlated Data from Survey
with Complex Design
Supervisors: J. Rao and P. Farrell

Ming Ming Zhang*

On Properties of Relatively Hyperbolic
Groups
Supervisors: I. Bumagin

PHYSICS

David Di Valentino

Constraining Standard Model and
Beyond Standard Model Higgs Boson
Couplings in the Four Lepton Decay
Channel with the ATLAS Detector
Supervisors: T. Koffas
Specialization in High Energy Physics

Victor Malkov*

Charged Particle Transport in Magnetic Fields in the EGSnrc Monte Carlo Code System

Supervisors: D. Rogers

Specialization in Medical Physics

Patricia Oliver

Computational Cell Dosimetry for Cancer Radiotherapy and Diagnostic Radiology

Supervisors: R. Thomson

Specialization in Medical Physics

MASTER OF ARTS

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

HUMAN-COMPUTER INTERACTION

Mahmut Erdemli

Interactive Digital Mapping as a Park-Planning Tool in the Creation of the Boucher-Forest Park in Gatineau, Quebec

Daniela Napoli

Accessible and Usable Security: Exploring Visually Impaired Users' Online Security and Privacy Strategies

Eric J. Spero

A Non-Linear Electronic Textbook Format to Facilitate Deep Learning

MASTER OF COMPUTER SCIENCE

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

Gbemisola Ajayi**Adam Earl Bennett**

Constraint Programming Technique for the Automated Combination of Networks of Functional Groupings of Spiking Neurons

Brian Carignan*

Improving Dialog Systems Using Knowledge Graph Embeddings

Diego Alexander Gonzalez Becerra

3D Synthesis of Man-Made Objects Based on Fine-Grained Parts

Karen Nathaly Hernández Salas*

Data Science Research to Support Stem Cell Therapy for Muscular Dystrophy
Specialization in Data Science

Jueya Li*

Object Detection and Tracking for the Creation of Interactive Videos

Junaid Maqsood

Leveraging Insights from Mobile App Reviews to Support Release Planning and Maintenance

Shruthi Nagaraj

Co-operative Education

Asad Narayanan*

Synthetic Data Generator for User Behavioral Analytics Systems
Specialization in Data Science

Victor Pablo Navarro Belmonte*

Improving Real Time Tuning on YARN
Specialization in Data Science

Brigitte Amanda Van Aert***Zhibo Zhang***

Co-operative Education

HUMAN-COMPUTER INTERACTION

Yasin Farmani

Discrete Viewpoint Control to Reduce Cybersickness in Virtual Environments

Yiyi Liu*

Disabled Gamers: Accessibility in Video Games

Sumbal Maqsood

Childrens Text Password Behaviors and Parental Advice

Yuanyuan Qian

Empirical Studies on Selection and Travel
Performance of Eye-tracking in Virtual
Reality

MASTER OF SCIENCE

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

BIOLOGY

Gamat Allam

Investigating the Role of Boundary
Genes in Plant Vascular Cambiums

Simon Yingleung Chan*

The Effects of Visual-Spatial Distractor
Task Paired Stability Training on Ankle
Stability Following a Single Leg Lateral
Ankle Inversion Sprain

Nicole Filipow*

Investigating the Role of Genetic
Background and Niche of Origin in the
Adaptation of *Pseudomonas Aeruginosa*
Specialization in Data Science

Hefeng Hu

The Role of Transcription Factor MYB53
from *Arabidopsis Thaliana* in the
Regulated Production of Suberin

Shan Omar Kazmi*

Detecting Amino Acid Preference Shifts
with Codon-Level Mixture Models

Bruce Patrick Laurich*

An Investigation of Herring Gull
Population Decline in Pukaskwa National
Park, Lake Superior

Tanis McMahon*

The Role of Background Bacteria in
Preventing the Isolation and Detection
of *Shigella* and STEC in Foods and Novel
MuSIC ddPCR Method to Improve STEC
Detection in the Presence of Background
Bacteria

Jacob Miall*

The Parasitoid Community Associated
with the Invasive Leek Moth,
Acrolepiopsis Assectella(Zeller)
(Lepidoptera: Acrolepiidae):Can
Conservation Biological Control Benefit
an Introduced Classical Biological
Control Agent in Canada?

Emma Westwell Micalizzi

Identification and Characterization
of Control Candidates for
Pseudogymnoascus Destructans,
the Fungus that Causes White-Nose
Syndrome in Bats

Lauren Moretto

A Small-Scale Response of Urban Bat
Activity to Tree Cover

Joanna Orzechowska

Exploration of Active-Site Residues of
Escherichia Coli Cystathionine β -Lyase by
Site-Directed Mutagenesis

Adina Popescu

Contribution of Boundary Genes to
Fruit Patterning and Dehiscence in
Arabidopsis Thaliana

Tanya Prystay

Exploring the Relationship Between
Physiological Performance and
Reproductive Investment in Wild Fish
Using Heart Rate Biologgers

Julia Elizabeth Ann Put

Effects of Organic Farming and
Agricultural Landscape Composition on
Relative Bat Diversity and Abundance

Conrado Augusto Rosi Denadai

How do Caterpillars Detect Vibration?
Proleg Sensory Hairs as Vibration
Receptors in *Drepana Arcuata*
(Drepanidae) and *Trichoplusia ni*
(Noctuidae)

Adelle Strobel*

Fate of Organophosphate Esters (OPEs)
in East Greenland Polar Bears and Their
Ringed Seal Prey Using *in Vitro* Lab-
and Field-Based Studies to Investigate
Metabolism
Specialization in Chemical and
Environmental Toxicology

William Milan Twardek

Natural and Anthropogenic Factors
Influencing the Pre-Spawn Migration of
Steelhead Trout
Specialization in Data Science

Kevin Vali

Characterization of an *Arabidopsis*
thaliana Anther-Specific Caleosin

Ross Noble Young*

How Do Trees Make Sweet Edible Sap in
Spring?

CHEMISTRY**Diba Behzad-Poor***

Alkylresorcinol in *Portulaca Oleracea*
(Purslane) Seeds as a New Source of
Dietary Phenolic Lipid
Concentration in Food Science and
Nutrition

Dylan Jones Fox-Altherr*

Augmenting the Detection of Verotoxin-
Producing *Escherichia Coli* Through
Use of Fluorescently Labeled DNA
Oligonucleotides
Specialization in Chemical and
Environmental Toxicology

Gilian Taite Thomas

Method Development for Quantification
of Vitamins in Spinach using HPLC-MS²

Mark Zolkiewski

Photosystem II Based
Photoelectrochemical Cell

EARTH SCIENCES**Andrew Thomas Craig**

Using Heated Column Experiments to
Investigate the Effects of In-Situ Thermal
Recovery Operations on Groundwater
Geochemistry in Cold Lake, Alberta

Wilder Greenman*

Characterization of a -1 Billion Year Old
Carbonate Ramp in the Brock Inlier,
Arctic Canada

He Kang*

Stratigraphy, Sedimentology, and
Diagenesis of Ordovician Outliers,
Northern Ottawa-Bonnechere Graben,
Central Ontario

Stephanie Ann Roussel*

Metal Transport Near a Tailings Facility in
the Alberta Oil Sands

Michael Glen Wenstob Thompson

A Multidisciplinary Palaeoenvironmental
Reconstruction of the Campanian
Foremost Formation of Southern Alberta

**HEALTH: SCIENCE,
TECHNOLOGY AND POLICY****Sarah Beanlands****Jenna Briglio****Rina Halili****Orsolya Ágnes Holthof****Laura Lobay****Christine Soong****Kristen Zintel****APPLIED MATHEMATICS,
MATHEMATICS, STATISTICS AND
PROBABILITY AND STATISTICS****Maryam Basiri***

A New Variational Principle and
Supercritical Semilinear Elliptic Problems

Kaitlyn Rose Chubb

Fixed Points of Rational Functions
Satisfying the Carltz Property

Tianyi Dai

Sample Size Determination for Markovian
Queueing Models

Parvin Dehghani*

The Analysis of Panel Data with a Flexible
Frailty

Xijin Dong***Weichen Gai****Jie Hao****Khalid Hasanov*****Juhi Khalid****Robert Lech*****Aubrey Maquiling*****Mackenzie William Powers*****Xin Shangguan****Lezhi Zhang****Xiyuan Zhang**

NEUROSCIENCE

Andrea Maria Pepe*

Sex Differences in the Behavioural
Response to FGF2 Administration

PHYSICS

André Hupé*

Using Electrons and Photons to Estimate
Passive Material Before the ATLAS
Electromagnetic Calorimeter
Specialization in Particle Physics

Lorcel Ericka Venturina*

Evaluation of a Modern Implementation
of Dynamic Conformal Arc Therapy
Specialization in Medical Physics

GRADUATE DIPLOMA IN HEALTH: SCIENCE, TECHNOLOGY AND POLICY

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

Khadeeja Hafizi

Heather Neilson*

BACHELOR OF COMPUTER SCIENCE (HONOURS)

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

Nicholas Arduini

Honours
Minor in Business

Sahajnoor Singh Arora

Honours

Nicholas Christopher Bachalo

Honours

Karim Zakaria Baraka

Honours

Omar Ben Ismail

With High Distinction
Minor in Mathematics

Zayd Bille

Honours
Minor in Japanese

Sophia Christa Brandt

Honours
Co-operative Education

Jason Bromfield

Honours

Alexandra Alana Elliott Brown

Honours
Co-operative Education

Yike Chen*

With Distinction
Minor in Mathematics

Mathieu Bernard Comeau

Honours
Minor in Business

Evan Clark Mackenzie Cooper

Honours

Michael Donally

Honours

Cole Dorma

Honours

Geoffrey Anthony Duimovich

Honours
Minor in Business

Cheryl Dunn

Honours

Guelor Tomas Emanuel

Honours
Minor in Philosophy

Savanna Michelle Endicott*

Honours
Minor in German
Co-operative Education

Christopher Wesley Ermel
With High Distinction
Co-operative Education

Jennifer Franklin
With High Distinction
Minor in Business

Shaheen Ghazazani
Honours

Connor Hicks
Honours

Nolan Hodge
Honours

Zakary James Ilic*
Honours
Minor in Mathematics

Jean Elie Jean-Gilles*
Honours

Theophilus Anyau Jeffrey Ali
Honours

Alnoor Salim Kara
Honours

Juhandre Knoetze
With High Distinction
Co-operative Education

Rui Li
With Distinction

Cameron Nicholas Little*
Honours
Co-operative Education

Steven William Lorbetkie*
Honours

Kelly Alexandra Maclauchlan
With Distinction
Co-operative Education

Cameron MacQuarrie
Honours
Minor in Economics

Aziza Magerramova
Honours
with Study Term Abroad

Brandon Keil Marshall*
With Distinction
Co-operative Education

Nicholas Martino
With Distinction
Minor in Greek and Roman Studies
Co-operative Education

Alexander Spencer Maxwell
Honours
Co-operative Education

Christopher Austin McMorran
Honours
Minor in Psychology

Aurius Keanu Ydia Medalla
Honours

Hrishi Mukherjee
Honours
Minor in Economics
Co-operative Education

Thomas Daniel Murphy
Honours

Caio Felipe Novelini*
Honours

James Paisley
Honours

Matthew William Penny*
With High Distinction
Co-operative Education

Jacob Benjamin Perks
With High Distinction

Muhammad Awais Qureshi
Honours

Basim Ramadhan
With Distinction
Co-operative Education

Abdulbadi Sabir*
Honours

Joel Raymond Scarfone*
Honours
Minor in Mathematics
Co-operative Education

Pierre Seguin
Honours

Lina Serry
With High Distinction
Co-operative Education

Alexandre Gordon Skipper
Honours

Ian James Brydon Smith
With High Distinction

Elyas Syoufi*
Honours
Co-operative Education

Antony Tamer
Honours

Michael Tran
Honours
Minor in Business
Co-operative Education

Matthew Andrew Tzogas*

Honours
Co-operative Education

Benjamin Gerald Vanstarkenburg

Honours
Minor in History

Evan Watterud

Honours
Minor in Physics

Michael Todd Wilson

Honours

Yulun Wu*

Honours

Ruohao Xu

Honours

He Zhang

Honours
Minor in Mathematics

Xueli Zhang

Honours

Xiusan Zhou

With High Distinction

BACHELOR OF COMPUTER SCIENCE MAJOR

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

Maab Abdelgadir Ahmed

Omar Al-Dib

Minor in Psychology

Neda Fathi Alfaris

Salem Abdullah Alshehri

Scott David Andrechek*

Syed Hammad Asad

Co-operative Education

Hasan Ayyad*

With High Distinction

Atif Rehman Babary*

Minor in Business

Charles Jonathan Bimm

With High Distinction
Co-operative Education

Paul Boucaud

Zachary Lee Carbonneau

Minor in Business
Co-operative Education

Joseph Michael Carrigan*

Yu Chao Cheng

Co-operative Education

Tristan Alexandre Cordeau*

Ryan Brandon Joey Delaney*

Co-operative Education

Alex Doan

Vinisha Nina D'Souza

Andrew Echevarria

Nick Economo

Scott Ellerington

Amr El-Naggar

Lance Encarnado

With High Distinction

Gordon Douglas Fitzgerald

Christopher Flatla

Graeme Fraser

Minor in Japanese

Richard Gebara

Moustafa Ghoneim

Natalie Gluzman*

Minor in Mathematics

Jaskaran Grewal

Minor in Psychology

Stephen Guaragna

Xue He

Minor in Mathematics

William Hing*

Mairaj Huq Hydari

Kenny Jiang*

With High Distinction
Minor in Mathematics

Song Jin

Dever Eric Lomas Jylha

Saleem Karkabi

Ryan Lam*

Ryan Jun-Hin Lau

Minor in Japanese

Michelle Yen Phi Le
Evan Leclair
With High Distinction
David Li
Minor in Business
Jesse Levi Lloren
Justin Adam Lyson*
Jason MacDonald*
Harth Majeed
Brendan Nicholas Marko*
Laura Aston McDougall
Steven James Melnik*
Clayton Alexander Moutzouris
James Patrick Mulvenna
Minor in Business
Pham Minh Thong Ngo
Mohammad Odah
Damon On*
Dakota Neil Pethick
Bradley Reynolds
Mark Roy*
Minor in Psychology
Haydon Robert Ruth*

Shaker Saba
Shrey Shree*
Robert Shrives*
Eric Sincennes
Minor in Psychology
Pallavi Singh
Shane Slatter
Steffen Tyler Smith
With High Distinction
Co-operative Education
John Logan Taylor Stewart
Minor in Religion
Andrew R. Trenholm
With High Distinction
Jackson Truong*
Minor in Business
Co-operative Education
Ian Robert Walker
Zi Wang
Niresh Wewala
Si Xing Wu
With High Distinction
Minor in Mathematics
Co-operative Education
Peter Zumbach

BACHELOR OF HEALTH SCIENCES (HONOURS)

(Presented by Professor Martin Holcic
Chair, Department of Health Sciences)

Nicholas Marcel Demers
Honours
Concentration in Global Health
Minor in Biology
Thomas Heneghan
With Distinction
Concentration in Biomedical Sciences
Ayesha Zaynab Jamshaid
Honours
Concentration in Health throughout the
Lifespan
Jordan Tiffany Levy
With High Distinction
Concentration in Health throughout the
Lifespan

Brianna Casandra Lirette
With High Distinction
Concentration in Biomedical Sciences
Nnennaya Nkwooma Okongwu
With High Distinction
Concentration in Biomedical Sciences
and Concentration in Health throughout
the Lifespan
Mitchell Robert Phillips
Honours
Concentration in Disability and Chronic
Illness
Minor in Biology
Sieara Plebon-Huff
With High Distinction
Concentration in Biomedical Sciences
Minor in Neuroscience and Mental Health

Monica Sourial
Honours
Concentration in Disability and Chronic
Illness

Sebastian A. Srugo
With High Distinction
Concentration in Biomedical Sciences
Minor in Biology

Chloe Isabelle Stevens
With High Distinction
Concentration in Health throughout the
Lifespan

Sydney Thorhauge
Honours
Concentration in Disability and Chronic
Illness

Sajra Trto
Honours
Concentration in Biomedical Sciences

BACHELOR OF HEALTH SCIENCES

(Presented by Professor Martin Holcik
Chair, Department of Health Sciences)

Sabrina Carley Jane Brant

Melinda Margareta Caputo Janhager
With High Distinction

Omorose Osagie
Minor in English

BACHELOR OF MATHEMATICS (HONOURS)

(Presented by Associate Professor Paul Mezo
Director, School of Mathematics and Statistics)

Meghan Elizabeth Gail Byars
With Distinction
Statistics and Economics

Geneviève Sylvia Snarr Carter*
With High Distinction
Mathematics
Minor in Philosophy

Brittany Dwyer
Honours
Mathematics

John William Mackenzie Dykes*
With High Distinction
Mathematics

Kamran Karim
With High Distinction
Statistics and Economics

David Alier John Kenyi
Honours
Statistics
Concentration in Actuarial Science
Minor in Economics

Timothy Miller
With High Distinction
Computational and Applied Mathematics
and Statistics
Concentration in Discrete Mathematics

Christopher Orandi Nyamiaka
Honours
Statistics
Concentration in Actuarial Science

Andrew Alexander Robertson*
With High Distinction
Mathematics
Minor in Computer Science

Okori Sanipe*
Honours
Computer Science and Mathematics
Concentration in Computing Theory and
Numerical Methods

Jaskirat Kaur Singh*
Honours
Statistics and Economics

Andrej Vukovic
With High Distinction
Mathematics

Hao Yu Wang
With High Distinction
Statistics

Jessica Wilson
Honours
Statistics

Zachary Zanussi*
With High Distinction
Mathematics
Minor in Computer Science

She Zhang*
Honours
Statistics
Minor in Economics

Tommy Zieba
Honours
Mathematics

BACHELOR OF MATHEMATICS

(Presented by Associate Professor Paul Mezo
Director, School of Mathematics and Statistics)

Michael Armanious
Mathematics

Robert Evelino Durofil
With High Distinction
Mathematics
Minor in Economics

Alexander Imbrogno
With High Distinction
Statistics

Joo Hun Lee
Mathematics

Reilly Lefort*
Mathematics

Allan Litva*
Statistics

Geoffrey Magnus
Mathematics

Dean Dyal Mahadeo
Mathematics

Andrew McGrath
Mathematics

Pasquale Rinaldo*
Mathematics

Robert Gerrit Rosswill
Mathematics

Issam Said
Statistics
Minor in Economics

Ryan David Scholtz*
Statistics

Nuria Teodorescu
With Distinction
Mathematics
Minor in Canadian Studies and Minor in
Philosophy

Alexander Teutsch
With High Distinction
Mathematics

Pascaline Umubyeyi
Mathematics

Zhao Dong Wei
Statistics
Minor in Economics

Eghlima Yari
Mathematics

Ramatu Ahmed Yusuf
Mathematics

BACHELOR OF SCIENCE (HONOURS)

(Presented by Associate Professor Dwight Deugo
Interim Dean, Faculty of Science)

Shahad Abdulmawjood

Honours
Biochemistry and Biotechnology

Mohamad Abou-El-Daoule

Honours
Neuroscience and Mental Health
Minor in Psychology

Gabrielle Ruth Adams

Honours
Earth Sciences
Concentration in Vertebrate
Paleontology and Paleoecology

Adhika Ysabel Nindiakirana Adi-Wauran

With Distinction
Neuroscience and Mental Health
Co-operative Education

Adogbeji Valentine Agberien*

Honours
Environmental Science
Minor in Biology and Minor in Statistics

Shakiba Ahmadi

Honours
Biology
Concentration in Health Science

Yuki Akimoto

Honours
Biology
Concentration in Health Science

Chloe Alicia Anastasiadis

Honours
Food Science and Nutrition
Minor in Biology

Jenna Elizabeth Murphy Armstrong

Honours
Biochemistry

Jessica Lynn Armstrong

With High Distinction
Biology
Concentration in Molecular and Cellular
Biology

Nur Syifaa' Azmil

Honours
Biology and Biotechnology

Mitchell Morrison Baar

With Distinction
Food Science and Nutrition

Husainat Adefunke Bakare

Honours
Neuroscience and Mental Health
Minor in Psychology

Aqeel Mohammad Baqar

With High Distinction
Neuroscience and Mental Health
Minor in Psychology

Andrea Lewise Barker Odhiambo

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

Brock Daniel Beer

Honours
Neuroscience and Mental Health
Minor in Psychology

Kylie Jessica Bennett

Honours
Environmental Science

Amanda Mary Karen Benwell

Honours
Biology and Earth Sciences
Co-operative Education

Jacob Lecompte Billingsley

Honours
Biology

Spencer Frederick Boisjoli

Honours
Chemistry
Concentration in Nanotechnology

Clark Bolliger

With High Distinction
Environmental Science
Concentration in Biology

Francis Bolton*

Honours
Biology
Concentration in Molecular and Cellular
Biology

Brian-Anthony Brown

Honours
Neuroscience

Melissa Kate Bumstead

Honours
Neuroscience and Mental Health
Minor in Psychology

Rebecca Burt

With Distinction
Neuroscience and Mental Health
Minor in Psychology

Winston Campeau

Honours
Biology
Minor in Mathematics

Alanna Summer Cantelon

With Distinction
Earth Sciences
Concentration in Vertebrate
Paleontology and Paleoecology

Adam Carroll

Honours
Neuroscience and Mental Health
Minor in Psychology

Michelle Ilene Carroll

Honours
Neuroscience

Carlene Casey*

Honours
Environmental Science
Minor in Geomatics

Nicola Caudle

Honours
Environmental Science

Colleen Celton

Honours
Food Science and Nutrition
Minor in Chemistry

Benson Chan

Honours
Environmental Science

Tryston Jarred Charlton

Honours
Neuroscience and Mental Health
Minor in Philosophy

Anand Chopra

With High Distinction
Biochemistry and Biotechnology

Bridgit Christison

Honours
Earth Sciences
Concentration in Vertebrate
Paleontology and Paleoecology
Minor in Archaeology

Laura Allison Cummings

Honours
Environmental Science
Minor in Physical Geography

Joanne Damianakos

With High Distinction
Neuroscience

James David Greggs Darling*

Honours
Biology

Danah Darwish*

Honours
Integrated Science
Minor in Psychology

Bailey Victoria Dean

Honours
Neuroscience and Mental Health
Minor in Psychology

Brodie Mark Deluco

Honours
Biochemistry

Meghan Alice Elizabeth Demerchant

With Distinction
Biology
Concentration in Health Science

Alexa Rae Derksen

With High Distinction
Biology
Concentration in Health Science
Minor in Neuroscience and Mental Health

Austin Guy de St. Croix

With High Distinction
Chemistry and Physics

Olivia C. Di Carlo

Honours
Neuroscience and Mental Health
Minor in Psychology

Aisa Dordari

Honours
Integrated Science
Concentration in Life and Health
Sciences

Kelly Ann Dornan

Honours
Food Science and Nutrition
Minor in Biology

Dominique Dupont

With High Distinction
Neuroscience and Mental Health
Minor in Psychology

Fiona Ann Ebanks

With High Distinction
Chemistry

Brittany Kassandra Edwards

Honours
Biology
Concentration in Physiology

Alyaa Samy El Astal

Honours
Food Science and Nutrition
Minor in Biology

Mohamed Elbeltagi

With Distinction
Physics
Minor in Mathematics

Cassandra Elmsley

Honours
Biochemistry

Sarah Corinne Endenburg

With High Distinction
Biology
Concentration in Ecology, Evolution and
Behaviour
Co-operative Education

Simon George English

With High Distinction
Neuroscience

Amanda Lauren Epp

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

Onyinyechukwu Ifeatu Esenwa

With Distinction
Neuroscience and Mental Health
Minor in Psychology

Briana Lyne Evans

With Distinction
Neuroscience and Mental Health
Minor in Psychology

Marcela Farias

Honours
Neuroscience and Mental Health
Minor in Psychology

Emily Georgina Farlam-Williams*

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

Caitlin Michelle Fensom

Honours
Neuroscience

Madison Quinn Ferguson

Honours
Chemistry

Christina Frendo

Honours
Environmental Science
Minor in Biology

Timothy Mark Garant

With High Distinction
Biochemistry and Biotechnology
Co-operative Education

Nadine Gaskell

With High Distinction
Biology
Concentration in Ecology, Evolution and
Behaviour

Sean Gazdewich

Honours
Earth Sciences

Colin Alexander Dey George

Honours
Physics

Samantha Sashia Ghazal

Honours
Neuroscience and Mental Health

Caitlin Glover

Honours
Neuroscience and Mental Health
Minor in Biology and Minor in Psychology

Vandana Gopeechund

Honours
Biology

Laurel Gordon

Honours
Environmental Science
Minor in Biology

Kayla Mae Grooms

Honours
Neuroscience and Mental Health
Minor in Biology and Minor in Psychology

Chase Edward Groulx

With Distinction
Neuroscience and Mental Health

Stefanny Carolina Guerra Ceballos

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

Brandon Alexander Hadlow

Honours
Neuroscience

Daniel Alexander Haney

Honours
Neuroscience

Mahshid Hassanzadeh Safari
Honours
Food Science and Nutrition
Minor in Biology

Sarah Margaret Hebert
Honours
Food Science and Nutrition

Brittany Joan Hewitt
Honours
Environmental Science
Minor in Physical Geography

Riley John Hickman
With High Distinction
Chemistry
Minor in Physics

Andrew Hicks
With High Distinction
Environmental Science
Concentration in Earth Sciences

Sean Hicks
With Distinction
Earth Sciences

Jacob Eli Hoekstra
With Distinction
Earth Sciences
Minor in Business

Benjamin Hovey
With High Distinction
Biology
Concentration in Health Science

Adam Kyle Hughes
Honours
Environmental Science

Kathryn Hunt
Honours
Neuroscience and Mental Health
Minor in Psychology

Pamela Iraheta Muniz
With Distinction
Earth Sciences

Julia Irwin
With Distinction
Biochemistry

Ameen Ismail
With High Distinction
Biology and Physics
Minor in Mathematics

Thenawan Udara Kandededara
With High Distinction
Biology
Concentration in Health Science

Hyung Joon Kang
Honours
Chemistry

Myunghak Kang
Honours
Earth Sciences

Vasileia Karasavva
With High Distinction
Neuroscience and Mental Health
Minor in Biology

Anjali Karki
Honours
Chemistry
Concentration in Nanotechnology

Sarah Kealey
With High Distinction
Neuroscience

Darren Matthew Kenney
With High Distinction
Neuroscience

John Morgan Kenny
Honours
Nanoscience

Sara Khalaf*
Honours
Neuroscience and Mental Health
Minor in Psychology

Michael Elliott Kielburger*
Honours
Food Science and Nutrition
Minor in Biology

Ki-Youn Kim
Honours
Neuroscience

Ella Kirkland
With High Distinction
Chemistry

Dylan Kovacs
Honours
Biology
Co-operative Education

Oniel Kurniawan*
Honours
Food Science and Nutrition

Khalid Amanali Ladhani
Honours
Neuroscience
Minor in Philosophy

Taylor Katherine Lambert
Honours
Neuroscience and Mental Health
Minor in Psychology

Tess Ania Landry
Honours
Neuroscience and Mental Health
Minor in Biology and Minor in Psychology

Robert Lang
With Distinction
Chemistry
Concentration in Nanotechnology

Haley Langstaff
With High Distinction
Neuroscience

Kayla Nicole Larsen
With High Distinction
Biology
Concentration in Health Science

Amanda Marie Leclair
Honours
Biochemistry

Gaoxiang Li
Honours
Earth Sciences

Savannah Haley Marie Lightfoot
With High Distinction
Neuroscience and Mental Health
Minor in Psychology

Jed Immanuel Lloren
Honours
Biology
Concentration in Ecology, Evolution and
Behaviour

Raisa Lokman*
Honours
Food Science and Nutrition

Michael Mahdavi
Honours
Biology and Biotechnology

Kelly Elizabeth Maki
Honours
Environmental Science
Minor in Biology

Charlotte Elizabeth Manser
With Distinction
Neuroscience

Ruth-Joy Achea Manu*
Honours
Neuroscience and Mental Health

Erica Martin
Honours
Neuroscience and Mental Health
Minor in Psychology

Leanne Marie Martin
Honours
Biochemistry and Biotechnology

Nicholas Herbert Paul Martin
Honours
Biology
Concentration in Health Science

Sameen Fatima Mazhar
Honours
Neuroscience and Mental Health

Ethan Thomas McCann
Honours
Environmental Science
Minor in Biology and Minor in Chemistry

Kimberlynn Pearl McDonald
Honours
Biochemistry

Samantha Firth McDonald
Honours
Neuroscience and Mental Health
Minor in Psychology

Tori Anita McQuat
Honours
Neuroscience and Mental Health
Minor in Psychology

Nur Syahrul'izzati Adliana Md Desa
Honours
Biochemistry and Biotechnology

Mohamed Jeffrey Merhi
Honours
Biology
Concentration in Health Science

Madison Merkir
Honours
Neuroscience and Mental Health
Minor in Psychology

Khadijah Mohamad Nizam
Honours
Biology and Biotechnology

Sumaya Mohamed-Navaz
Honours
Food Science and Nutrition
Minor in Biology

Evan Thomas Monk
Honours
Chemistry

Jonathan Philippe Monney
With Distinction
Neuroscience

Breanne Adèle Marion Morrison

Honours
Food Science and Nutrition
Minor in Biology

Huma Muhammadi*

Honours
Neuroscience and Mental Health
Minor in Psychology

Alex Mulet Indrayanti

With High Distinction
Biochemistry and Biotechnology

Jennifer Murray*

Honours
Environmental Science
Concentration in Biology

Jennifer Lynne Nix

Honours
Earth Sciences
Minor in Anthropology and Minor in
History

Erin Clemence O'Boyle

Honours
Environmental Science
Concentration in Ecology, Biodiversity
and Conservation

Jeremie Patrick Ryan O'Brien

Honours
Biochemistry

Nicole Achieng Odhiambo

With High Distinction
Environmental Science
Minor in Biology

Natasha Onyeaju

Honours
Neuroscience and Mental Health
Minor in Psychology

Natasha Dianne Osborne

With High Distinction
Biology
Concentration in Health Science
Minor in Neuroscience and Mental Health

Erin Osler

Honours
Physics
Minor in Computer Science and Minor in
Mathematics

Gregory Owens

With Distinction
Neuroscience and Mental Health
Minor in Biology
Co-operative Education

Hirva Patel

Honours
Biology
Concentration in Health Science

Isaac Khalil Petter

Honours
Earth Sciences
Concentration in Vertebrate
Paleontology and Paleoecology

Jordan Derek Elisabeth Philipsz

Honours
Neuroscience and Mental Health
Minor in Biology

Kelsey Joshua Phillips*

Honours
Biochemistry

Laura Lee Phillips

With High Distinction
Biology

Sean Pineo

Honours
Biology
Minor in Psychology

Sasha Megan Pinto

With Distinction
Neuroscience

Sidney Elizabeth Potter

With Distinction
Environmental Science
Minor in Biology and Minor in Earth
Sciences: Earth Resources and Processes

Tanuja Arina Prakash

With Distinction
Biochemistry

Tamara Predovic

Honours
Neuroscience and Mental Health
Minor in Psychology

Caitlyn Alissa Proctor

With High Distinction
Environmental Science
Minor in Biology and Minor in Physical
Geography

Ana Qureshi

Honours
Food Science and Nutrition
Minor in Biology

Teeghan Marie Erika Rambo

With High Distinction
Biochemistry

Serine Ramlawi

Honours
Food Science and Nutrition
Minor in Biology

Yasmika Rasakumar

Honours
Neuroscience and Mental Health

James Cameron Raymond-Wales

Honours
Biology
Concentration in Ecology, Evolution and
Behaviour

Sabrina Noël Reaume

With High Distinction
Environmental Science
Minor in Chemistry

Connor Harrison Reid

With High Distinction
Environmental Science
Concentration in Ecology, Biodiversity
and Conservation

Katherine Elizabeth Reid

With High Distinction
Neuroscience and Mental Health
Minor in Psychology

Amber Joan Lillian Ripley

Honours
Neuroscience and Mental Health
Minor in Biology
Co-operative Education

Elizabeth Robson Gordon*

With High Distinction
Environmental Science
with Study Term Abroad

Alyssa Rochefort

With Distinction
Neuroscience

Jillian Louise Rohonczy

With Distinction
Biology
Concentration in Ecology, Evolution and
Behaviour

Alysia Nicole Ross

Honours
Neuroscience and Mental Health

Caysha Saddleback

Honours
Neuroscience and Mental Health
Minor in Biology and Minor in Statistics

Nur Najiha Aqila Saifuddin

Honours
Biology and Biotechnology

Segolene Salat

Honours
Food Science and Nutrition

Cara Manisha Selvarajah

Honours
Applied Physics
Co-operative Education

Abdussalaam Shah

Honours
Neuroscience and Mental Health
Minor in Biology and Minor in Psychology

Chantal Shaib

With High Distinction
Neuroscience and Mental Health
Minor in Computer Science

Jesse Ryan Shenton

Honours
Biology
Concentration in Ecology, Evolution and
Behaviour

Divya Situt

With Distinction
Neuroscience and Mental Health
Minor in Psychology

Emma Lee Smeltzer

Honours
Neuroscience and Mental Health
Minor in Biology and Minor in Psychology

Andrea Peyton Smith

Honours
Biology
Concentration in Health Science

Stephanie Robyn Soroka

Honours
Biology
Concentration in Health Science

Stephanie Breanne Sousa

Honours
Environmental Science
Minor in Physical Geography

Ezekiel Jared Staats

With Distinction
Physics
Minor in Mathematics

Kyle Tapp

With High Distinction
Biochemistry and Biotechnology

Alexei Tarnopolski

Honours
Environmental Science
Concentration in Earth Sciences

Shirley Tran
Honours
Food Science and Nutrition

Claire Alexandra Traversa*
Honours
Food Science and Nutrition

Animesh Vadaparti
Honours
Neuroscience and Mental Health
Minor in Business

Michelle Alexandra Vala
With High Distinction
Biology
Concentration in Ecology, Evolution and
Behaviour
Co-operative Education

Dominique Noelle Vasudev
With Distinction
Neuroscience and Mental Health

Jennifer Vig*
Honours
Environmental Science

Dipika Wadhwa
Honours
Integrated Science
Minor in Psychology

Devon James Wagner
Honours
Biochemistry and Biotechnology

Carling Walsh*
Honours
Environmental Science
Concentration in Earth Sciences

Emily Anne Warner
With High Distinction
Neuroscience and Mental Health
Minor in Psychology

Anqi Wen
Honours
Environmental Science
Minor in Chemistry

Jiayi Weng
Honours
Food Science and Nutrition

Benjamin Haworth Wilkinson-Zan
With High Distinction
Mathematics and Physics

Ian Patrick Willmets
Honours
Biology

Alexander Warren Wiseman
Honours
Neuroscience and Mental Health
Minor in Biology

Madison Taylor Wright
With High Distinction
Neuroscience and Mental Health
Minor in Psychology

MaryAnn Wu
With High Distinction
Neuroscience

Viktoria Xing
With High Distinction
Neuroscience and Mental Health
Minor in Psychology

Delnavaz Yazdanebas
Honours
Food Science and Nutrition
Minor in Biology

Moumena Youssef
Honours
Neuroscience and Mental Health

Vivian K. H. Yuen
Honours
Neuroscience and Mental Health
Minor in Psychology

Josephine Zein
Honours
Neuroscience and Mental Health
Minor in Psychology

Andrew Vincent Zwaniga
With High Distinction
Mathematics and Physics

BACHELOR OF SCIENCE MAJOR

(Presented by Associate Professor Dwight Deugo
Interim Dean, Faculty of Science)

Zohair Amjad
Neuroscience and Mental Health

Chukwuemeka Obioha Arizor
Biology

Hibo Barre
Neuroscience and Mental Health

Curtis W. Bennett
Biochemistry
Minor in Biology and Minor in Chemistry

Karyn Ann Elizabeth Blackney
Biology

Ian Braithwaite
With High Distinction
Biology

Allycia Katherine Burry
Biology

Liam Clarke Campbell
Environmental Science

Hanna S. Dahir*
With High Distinction
Neuroscience and Mental Health
Minor in Psychology

Peter John Henry Debenedictis
Biochemistry

Kokkalinga Chat Lakrandi De Silva
Biochemistry

Paul-Rene Victor Dreessen
Neuroscience and Mental Health
Minor in Biology

Nicole Danielle Dunn
Neuroscience and Mental Health
Minor in Biology and Minor in Psychology

Jamie Egbele-Eddie
Biochemistry

Jannice Egbele-Eddie
Biology

Mahmoud El-Saadi*
Biology
Minor in Psychology

Jenna Fairservice*
With Distinction
Neuroscience and Mental Health
Minor in Biology and Minor in Psychology

Stefany Lourdes Galko*
Biology

Marym Youssef Hassan
Biology
Minor in Psychology

Zeinab Hedroj
Biology

Jonathan Hodge*
Physics
Minor in Computer Science

Chelsea Horton
Earth Sciences

Brodie Mark Jackson
With High Distinction
Biology

Cara Johnson*
With High Distinction
Biology

Rose Latimer*
Environmental Science
Minor in Biology

Madison Nichole Lloyd
Neuroscience and Mental Health
Minor in Psychology

Ayeen Reza Marati
With Distinction
Biology

Akram Mourad*
Earth Sciences
Minor in Economics

Jennifer Violet Nelson
Biochemistry

Eric Nicholas Oldale
Earth Sciences

Kristin Marie Oosterwal*
Biology

Carlos Serafin Pastrana
Neuroscience and Mental Health
Minor in Psychology

Brandon Harris Sheldon Paul
Biology

Thomas Poelstra*
Environmental Science
Minor in Earth Sciences: Earth Resources
and Processes

Ravindra Arun Prakash*
Biology
Minor in Chemistry

Kristina Ann Ranchuk
Biology

Dheeksha Reddy
Neuroscience and Mental Health
Minor in Psychology

Rafika Izzati Roslan
Biochemistry

Anshula Sandhu
Biology
Minor in Neuroscience and Mental Health

James Sargent
Biochemistry

Jonathan James Campbell Scott*

Environmental Science

Sanujh Sivarajah*

Biology

Minor in Psychology

Kristina Stanisic*

Biochemistry

Alexander Tessier

Physics

Mathew Thomas

Environmental Science

Minor in Earth Sciences: Earth Resources
and Processes

David Mckenzie Tillmann

Biology

Minor in Psychology

Phi Au Thi Tran

Biochemistry

Minor in Chemistry

Hei Yeung Tsang

Biochemistry

Muhammad Waqar

Physics

Justin Williamson

Biology

Meng Zhang*

Biology

BACHELOR OF SCIENCE

(Presented by Associate Professor Dwight Deugo
Interim Dean, Faculty of Science)

Olivia Meaghan Anderson*

Biology

William Bitchoka

Neuroscience and Mental Health

Taylor Daniel Bond

Neuroscience and Mental Health

Lindsay Grace Eenkooren

Earth Sciences

Sarah Fawzy-Esmaiel

Neuroscience and Mental Health

Suliman Fayyaz

Earth Sciences

Daniel Joseph Gilbert

Biology

Jean-Pierre Kamar*

With Distinction

Biology

Nour Khalifeh

Biology

Sana Saeed Khan*

Biology

Mary Grace Korten*

Chemistry

Estrella Lopez Romero

Biology

Joshan Sajeevhan Manoharan

Neuroscience and Mental Health
Minor in Psychology

Sarah Metherel*

Biology

Deana Mohialdeen*

Biology

Eric Nguyen*

Chemistry

Natalia O'Connor

Biology

Minor in Neuroscience and Mental Health

Graham David Perry

Biology

Anna Olive Reintsma*

Biology

Kurtis Michael Sarafin

Chemistry

Peter Sibbald*

Biology

Melanie Lesley Siddall*

Biology

Nicole Hella Stahl

Neuroscience and Mental Health

Minor in Psychology

Ayat Asam Taher

Biology

Minor in Psychology

Johnathan Jeffrey Tripp

Chemistry

Sandy Truong

Biology

Khalid Wehbe
Neuroscience and Mental Health
Minor in Psychology

Madison John Woodstock
Biology

BACHELOR OF ARTS (HONOURS)

(Presented by Associate Professor Dwight Deugo
Interim Dean, Faculty of Science)

Adam Al-Kassem
With High Distinction
Biology
Minor in Psychology

Angela Barakat
Honours
Biology

Natasha Margaret Charette
Honours
Biology

Ethan Dauncey
Honours
Biology
Minor in Psychology

Shana Samantha Dela Cruz
Honours
Biology
Minor in Neuroscience and Mental Health
and Minor in Psychology

Victoria Lauren Eastman
Honours
Biology

Vinay Pavit Neermul
Honours
Biology
Minor in Psychology

BACHELOR OF ARTS

(Presented by Associate Professor Dwight Deugo
Interim Dean, Faculty of Science)

Richelle Elizabeth Adair
Biology

Ahmad Araji
Biology

Derek James Brown
Biology

Lindsay Brown
Biology

Ariana Naseem Emami*
Biology

Todd Gorman
Biology

Alison Alua Lundja*
Biology

Robert Adam Moir
Biology

Karim Mufarrij
Biology

Christy Paul
Biology

Cynthia Nicholson Thomson
Biology

AFTERNOON CEREMONY

Tuesday, June 12, 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 RECIPIENT

Rt. Hon. Helen Clark, O.N.Z., B.A., M.A.



Helen Clark will be awarded the degree of Doctor of Laws, *honoris causa*, at the 2:00 p.m. ceremony on Tuesday, June 12, “in recognition of her role as an outstanding international leader committed to the values of equality and social empowerment.”

Clark was the 37th prime minister of New Zealand for three consecutive terms from 1999 to 2008 and the country’s first elected woman leader. Throughout her time as prime minister and as a member of parliament for more than 27 years, she was widely engaged in policy development and advocacy across international, economic, social, environmental and cultural spheres. Clark advocated strongly for New Zealand’s comprehensive program on sustainability and climate change and was an active leader in the country’s foreign relations, engaging with a wide range of international issues.

She became the first female administrator of the United Nations Development Program (UNDP) in 2009 and served two terms until she left in 2017. During her tenure, the UNDP was ranked the most transparent global development organization. Simultaneously, Clark was chair of the United Nations Development Group (UNDG), a committee consisting of all UN funds, programs, agencies and departments working on developmental issues. She has also taught political studies at the University of Auckland.

Clark continues to be a strong voice for sustainable development, climate action, gender equality and women’s leadership, peace and justice, and action on non-communicable diseases, as well as HIV/AIDS.

ORDER OF PROCEEDINGS

Afternoon ceremony

Tuesday, June 12, 2:00 p.m.

President and Vice-Chancellor Alastair J. S. Summerlee, *FCAHS, LL.D., B.Sc., B.VSc., Ph.D., MRCVS*,
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

Zachary Dwyer (bagpipes)
Gregory Joseph (bagpipes)
James Bush (snare drum)

O Canada (The audience is invited to sing. Please see page 2).
Performed by Michelle Gendron

Opening Ceremony

Elder Thomas Louttit
Cree Nation

Introduction by the Master of Ceremonies

Jerry Tomberlin, *Ph.D.*
Interim Provost and Vice-President (Academic)

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

Rt. Hon. Helen Clark, *O.N.Z., B.A., M.A.*
(Presented by Diana Idibe
Vice-President (Student Services) Carleton University Students' Association)

Convocation Address

Rt. Hon. Helen Clark, *O.N.Z., B.A., M.A.*
37th Prime Minister of New Zealand (1999 - 2008)

Conferring of Degrees and Awarding of Medals

Warrant
Donald L. Russell, *Ph.D.*
Marshal of Convocation

Welcome from the Alumni Association

Glen Barber, *M.A.*
Economics Chapter President, Carleton University Alumni Association

Closing Address by the President and Vice-Chancellor

Alastair J. S. Summerlee, *FCAHS, LL.D., B.Sc., B.VSc., Ph.D., MRCVS*

Recessional Music

DOCTOR OF PHILOSOPHY

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

ECONOMICS

Susan Marie Bennet*

Three Essays on Gender and Education
in Canada
Supervisors: M. Voia and C. Worswick

Timothy John Grieder

Three Essays in Empirical Financial
Economics
Supervisors: H. Khan

Alexander Maslov*

Auctions and Finite Posted Prices in
Online Markets
Supervisors: R. Vadovic and A. Semenov

POLITICAL SCIENCE

Josée Bolduc

Disclosing the Tacit Identity in Majority
Cultures
Supervisors: F. Rajae

Tyler Chamberlain

Clarifying the Conflict Between Modern
Science and Natural Right
Supervisors: W. Newell

Jeffrey Collins*

Executive (In) Decision? Explaining
Delays in Canadas Defence Procurement
System, 2006-2015
Supervisors: E. Sloan

Janice Lynn Freamo*

Google, Grandfathers and God(s):
Nietzsche and Plato on Ancestral
Authority
Supervisors: T. Darby

Said Yaqub Ibrahim

State Fragility and International Security:
The Rise of Salafi-Jihadi Groups in a
World of Fragile States
Supervisors: E. Sloan

Christopher Miller*

Testing the Boundaries of Employer-
Driven Agricultural Migration:
Privatization and the Temporary Foreign
Worker Program, 2002-2011
Supervisors: C. Gabriel
Specialization in Political Economy

Megan Pickup*

An Emerging, Post-Neoliberal Power:
The Practice of Brazilian South-South
Cooperation in Haiti
Supervisors: L. Macdonald

Matthew Thompson*

Maintaining Party Unity: Analyzing
the Conservative Party of Canada's
Integration of the Progressive
Conservative and Canadian Alliance
Parties
Supervisors: W. Cross

MASTER OF ARTS

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

ECONOMICS

Seamus Quinn Benwell

Jennifer Boone

Runyu Dai

Ian Francis Gibson*

Concentration in Financial Economics

Siming Li

Concentration in Financial Economics

Haoyan Liao

Emmanuel Murray Leclair

Oby Chimamaka Omenogor*

Xingyu Pan

Specialization in Data Science

Tamara Shaikho*

Specialization in Data Science

Shakti Sharma

Concentration in Financial Economics

Weili Su

Specialization in Data Science

Xinlei Wen

Runtong Zhao
Concentration in Financial Economics

POLITICAL ECONOMY

Meghan Graham

Darroch Thomas Harrop

Limingcui Huang

A Critical Approach to the Efficacy of the Economic Development Strategy in Interethnic Conflict Prevention and Resolution

Carla Johnston

Using Participatory Action Research to Support Civil Society Action for a Sustainable Food System in Yellowknife

Vanessa Leeman

Taras Matkovsky*

Nathan Taylor

A Challenge to the Discourse of Development or Development Done Differently: The Discourse of Experts in the WTO Agreement on Trade Facilitation

Carter James Vance

POLITICAL SCIENCE

Hashem Hazem Hamdy

Matthew Jarrett

Arel Jarus-Hakak

Iron Domes: Desecuritization in the 2014 Israeli-Palestinian Conflict and the Battle for Identities

Mason Krawczyk

The World Through Technology: *The Possibility of Politics in Modernity*

Nicolas Lamothe

Co-operative Education

Kimberley-Ann Meijer

Hodan Moalim

Avery Yvon Quesnel

Alexander Rudolph

Catherine Traer

Ryan Vienneau*

Kaitlin Louise Walker

Specialization in African Studies

Melanie Winzer

MASTER OF SOCIAL WORK

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

Katherine Fleming*

Taylor Howarth*

Nicole Leblanc

Hannah Walt*

BACHELOR OF ARTS (HONOURS)

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

Ridwan Abdulaziz

Honours
Political Science

Maelle Rosaline Yabo Abiola

Honours
Political Science
Concentration in International Relations

Sanwal Ali*

Honours
Political Science

Jacob Allin

With High Distinction
Political Science
Minor in History

Ayael Abdulrhman Alqarni

Honours
Political Science
Concentration in International Relations

Nicholas Robert John Anderson

With Distinction
Political Science
Minor in Sociology

Shea Angus

Honours
Political Science
Minor in History

Darrin William Antler

With High Distinction
Political Science

Christopher James Aranda

Honours
Political Science

Bem Awua-Imande

Honours
Applied Economics
Concentration in Natural Resources,
Environment and Economy

Nicole Anne Bartlett

Honours
Political Science
Concentration in International Relations
Minor in Law
Co-operative Education

Erik Ben-Tchavtchavadze*

Honours
Political Science
Concentration in International Relations

Balma Jemi Braimah

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

John Stuart Buchan

Honours
Political Science
Minor in Law

Alan Christie

Honours
Economics
Concentration in Financial Economics

Ashley Courchene

With High Distinction
Political Science
Minor in Indigenous Studies

Keaton Robert Cribbey

Honours
Political Science
Concentration in International Relations

Jennifer Davis

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

Derek Dion Dawson*

Honours
Political Science

Rebecca Louise Deatcher

Honours
Global Politics
Minor in History

Jackson Joseph Duke

Honours
Political Science
Concentration in International Relations

Alexandra Freedman

Honours
Political Science
Concentration in International Relations

Carlie Fyfe

Honours
Political Science

Daanish Garda*

Honours
Economics

Emma Katie Gern*

Honours
Political Science
Minor in Sociology

Kelsey Gilchrist*

With High Distinction
Applied Economics
Minor in Communication Studies

Andrew Brian Goddard

Honours
Economics

Laura Jane Green

With Distinction
Political Science
Concentration in Public Affairs and Policy
Analysis
Co-operative Education

Reid Groeneveld

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

Marcel Darren Groves

With Distinction
Political Science
Minor in History and Minor in Law

Tyler Hannath*

Honours
Political Science
Minor in History

Sascha Andrew Harvey*

With High Distinction
Political Science
Minor in Sociology

Cethia Hergholi-Funes*

Honours
Political Science
Concentration in International Relations

James Jay Denis Herring

With High Distinction
Political Science
Concentration in Canadian Politics
Minor in Economics

Laura Lee-Anne Higgins

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

Rob C. Josefsson

Honours
Political Science
Concentration in International Relations
Minor in History

Sam Jraiw*

With Distinction
Applied Economics
Co-operative Education

Rilwan Oluwakayode Kassim*

Honours
Applied Economics
Minor in Business

James Lafortune

Honours
Political Science

Dongjin Liu

Honours
Applied Economics
Minor in Business

Tess MacMillan

Honours
Political Science

Lesley Elinor Martel

With Distinction
Political Science
Concentration in International Relations
with Study Term Abroad

James Colin McAdam

Honours
Political Science

John Edward McNamee

Honours
Political Science
Concentration in International Relations
Minor in Law

Joshua Michael Morency

With Distinction
Global Politics
Minor in Law and Minor in Philosophy

Joelle Anne Geraldine Morisset

Honours
Political Science
Concentration in International Relations
Minor in Law

David-Vincent Mputu*

Honours
Political Science
Concentration in International Relations

Ilcheon Myung*

Honours
Applied Economics
Concentration in Financial Economics
Minor in Business

Joseph Naim*

With Distinction
Political Science

Sarah Ashley Newell

Honours
Global Politics
Minor in History

Liam James Norris

Honours
Political Science
Minor in Greek and Roman Studies and
Minor in History

Alexandra Taylor Northfield*

With Distinction
Economics

Adedolapo Ifeoluwa Obisesan*

Honours
Applied Economics
Concentration in Financial Economics
Minor in Business

Ifeoluwa Anna Oluwasola

Honours
Global Politics
Minor in History

Jeffrey Zoumale Padou

Honours
Political Science
Concentration in International Relations
and Concentration in Public Affairs and
Policy Analysis

Sarah Anne Painchaud

With Distinction
Political Science
Concentration in Comparative Politics
and Area Studies (Global South) and
Concentration in International Relations
Co-operative Education

Tyler Palmer

Honours
Political Science
Concentration in International Relations
Minor in History

Martine Elena Panzica

With Distinction
Global Politics
Minor in French and Minor in Italian

Julia Parsons

With High Distinction
Political Science
Concentration in Canadian Politics
Minor in History

Kent Andre Pederson

Honours
Political Science
Minor in Law

Lucas Jan Dirk Pereboom

Honours
Economics

Austin Phillip Pike

Honours
Political Science
Minor in Geography

Zachary Ryan Ramsay

With Distinction
Political Science

Alec Connor Reid

Honours
Political Science
Minor in Economics

Colin Robillard*

Honours
Economics
Minor in Spanish

Benoit Philippe Rodrigue

Honours
Political Science
Minor in History

Faith Margrette Roy

Honours
Political Science
Minor in History and Minor in Law

Honeida Salih

Honours
Political Science
Concentration in Public Affairs and Policy
Analysis

Cody John Samuelson*

With Distinction
Political Science
Minor in History
Co-operative Education

Khalid Mohamed Shoukri

Honours
Political Science
Concentration in International Relations
Minor in History

Matthew Scott Soosalu*

Honours
Economics

Ryan Spero

Honours
Political Science
Concentration in International Relations

Simon Stanway*

Honours
Political Science
Concentration in North American Politics

Rebecca Jade Tjon-Aloi

Honours
Global Politics
Minor in American Sign Language

Ali Tohme

Honours
Political Science
Concentration in International Relations
Minor in Sociology

Salgai Tooryalai

With Distinction
Economics
with Study Term Abroad

Mathew Elliot Voyce

Honours
Applied Economics

Anton Wegenast

Honours
Political Science
Concentration in International Relations
Minor in Sexuality Studies

Ryan Theodore Ronald Wichers*

Honours
Political Science
Concentration in International Relations
Minor in Business

Nour-El-Hoda Yaghi
Honours
Political Science
Concentration in International Relations

Ivan Ekow Yankey
Honours
Applied Economics
Minor in Psychology and Minor in
Statistics

Simisola Adeola Yomi-Sholoye*
With High Distinction
Political Science
Concentration in International Relations
Minor in Law

Pengyue Zhang
Honours
Political Science
Concentration in International Relations
Minor in French

BACHELOR OF ARTS

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

Rabih Abou Antoun*
Economics

Assadullah Ahmadi
Political Science

Hanadi Al-Jarjawi
Economics

Mario Baker Ramirez
Economics
Minor in German

Viranthi H. Bandara
Political Science

Ashley Black
Political Science
Minor in Law

Myriam Blais*
Economics

Elliot Blaney*
Political Science

Marcia Valerie Boudreau
Economics

Ryan James Brown*
Economics
Minor in Computer Science and Minor in
Psychology

Lindsey Dawn Burt*
Political Science

Timothy Michael Christie
Economics

Caitlin Rebecca Coe
Political Science

Brianne Hwa-Tsing Lin Coughlin
Political Science
Minor in French

Patrick Cuffaro*
Political Science
Minor in Law

Laura Davidson*
Political Science

Mitchell Allan Bennie Deseure
Political Science
Minor in History and Minor in Law

Matthew Doddridge
Political Science

Tue-Eric Duc Duong*
Political Science

Joseph Patrick Fox*
Political Science
Minor in English

Holly Aura Marie Fryer
Political Science

Frankie Paul Geddes*
Political Science
Concentration in International Relations
Minor in Law

Jenny Giang
Political Science
Concentration in International Relations
Minor in Communication and Media
Studies

Tianshi Huan
Economics

Mohamed Hussein
Economics
Minor in Philosophy

Zarina Iqbal
Political Science
Concentration in International Relations

Kai Jiang*
Economics

James Levin Juan*
Economics

Ivan-George Koupenov*
Political Science

Jacob Michael Lenz*
Political Science

Xinzhe Li
Economics

Keh Yang Lo
Political Science

Ellyn Thyra McCormick
Economics

Abdelrahman Ahmad Muhaidi
Economics

Kanwar Badar Muhi*
Economics

Sana Mustafa*
Political Science

May Mustapha*
Political Science
Minor in Philosophy

Maryam Naif*
Political Science
Concentration in International Relations

William Ingalls Nass
Political Science

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

Jevaughn Anthony Newman
Economics

Olubunmi Samuel Owa
Political Science
Concentration in International Relations

Nahda Said*
Political Science
Concentration in International Relations

Nelson Charles Sindayigaya
Economics

Matthew Sketchley
Political Science

Lucas James Frederick Strader
Economics

Xiang Yu Sun
Economics

Matthew Jordan Thiopoulos*
Political Science

Kevin Thompson
Economics

Jia Jun Xue*
Economics

Hao Cheng Yu*
Political Science

Tingting Yu
Economics

Haodi Zhang*
Economics

Amy Zhao*
Political Science

Yu Zhou*
Economics

Yaoyi Zhu*
Economics

Jing Xuan Zhuang*
Economics

BACHELOR OF ECONOMICS (HONOURS)

(Presented by Professor Christopher Worswick
Chair, Department of Economics)

Ali Badr
Honours

Peter Whitten Brown
With Distinction
Economics and Global Politics

Demian Chaiquin*
Honours
Concentration in Financial Economics
Minor in Business

Shadi Chamseddine
With High Distinction
Minor in Computer Science
Co-operative Education

Mingfeng Chen

Honours

Natalie Clemence

Honours

Ahmed Maher A. M. Elkholy

Honours

Concentration in Financial Economics

Nicole El-Sayegh

With Distinction

Minor in Computer Science

Osama Ibrahim Fakhuri

Honours

Concentration in Financial Economics

Saraf Taskin Hamid Nusaba

Honours

Concentration in Financial Economics

Minor in Business

Xinyi Han

With Distinction

Minor in Communication and Media

Studies

Mingyi Huang

Honours

Ogwuabuchi Kalu

Honours

Do Hyun Kwon

Honours

Minor in Mandarin Chinese

Zijie Liu

Honours

Caleb Richard Loftus

Honours

Minor in Business

Yi Lu

Honours

Michael McCallum

With Distinction

Fahmi Mutassem

Honours

Ireoluwa Sarah Oluwasola

With Distinction

Concentration in Economic Theory

Xiao Ouyang

Honours

Concentration in Financial Economics

Nico Paoletti

Honours

Concentration in Financial Economics

Minor in Business

Farha Popy*

Honours

Concentration in Financial Economics

Joshua Nathaniel Roxborough

With High Distinction

Concentration in Economic Theory

and Concentration in Mathematics and

Quantitative Economics

Daniel Angelo Saladini

Honours

Trevor Harm Schonewille

Honours

Economics and Global Politics

Dominik Sepowicz*

Honours

Minor in Business

Matthew John Serson

Honours

Sorousheh Sharafi*

Honours

Akram Sirag

Honours

Concentration in Financial Economics

Tianqi Sun

Honours

Wazeha Sadeque Susmita

Honours

Hameid Taha

Honours

Concentration in Economic Theory

Co-operative Education

Md. Tanvir Hasan Taki*

Honours

Beilei Tang

Honours

Tazally Tanzil

Honours

Concentration in Financial Economics

Thomas K. Wallis

Honours

Concentration in Financial Economics

Faysal Zeidan*

Honours

Yujia Zhang

Honours

BACHELOR OF ECONOMICS

(Presented by Professor Christopher Worswick
Chair, Department of Economics)

Mahmoud Abid*

Waleed O. Adebayo

Sushmita Ahmed
Minor in Art History

Nur Alam

Salman Abdullah Alsaleh*

Mohamad Alsayed Ahmad

Mohammad Anwar*

Karol Patrick Anweiler

Abiodun Ahmed Balogun*

Oleksandr Bogdan

Ross Bordignon

Francesco Antonino Carrozza*

Xue Chang

Nicholas Butler Chapman

Mahbub Alahi Chowdhury*

Mitchell Alexander Crump

Janice Lynn Dawe*

Indy Deroche*

Yixin Ding*

Rolando Garcia Cortes*

Kosisochukwu Gerry Ofor

Katrine Leslie Gorman*
Minor in Geography

Antonio Grassa*

Benjamin Habib

Assad Haque

Rhuhallah Hashemi

Nicolas Ieradi

Kiranpreet Kaur Jassal

Amanjeet Kaur*

Ayesha Khanum

Wanjin Li

Yan Liu

Yuecheng Lyu*

Olivia Mary-Catherine Miller

Anastasia Morris*
Minor in Philosophy

Diana Nguyen
Minor in Mathematics

Ridwanul Ashiq Niloy*

Lyra Monnette Quintinita Patricio

Christopher Nolan Pye

Huahao Qian
Minor in Computer Science

Yuxuan Qin*

Sachin Ivan Ramaniah
With High Distinction
Minor in Biology

Mehdi Rima*

Derek Ritchie*

Asakhemelo Daniel Sarwom

Jason Michael Sukstorf*

Irma Tabakovic

Yujia Tang

Malcolm Walker-Hendricks

Shuting Wang
Minor in Japanese

Xindi Wen

Cory Wilson

Hao Xue*

BACHELOR OF GLOBAL AND INTERNATIONAL STUDIES (HONOURS)

(Presented by Associate Professor Chris Brown
Program Director, Bachelor of Global and International Studies)

Keisha Bess Louise Derrick
With High Distinction
Specialization in Africa and Globalization

Kamila Stefania Klemensowicz
Honours
Specialization in Global Development

BACHELOR OF GLOBAL AND INTERNATIONAL STUDIES

(Presented by Associate Professor Chris Brown
Program Director, Bachelor of Global and International Studies)

Kaylee Dilley*
Sarah Anne Farrington
Minor in Spanish

Kirsti Maria Granholm
Patricia Veronica Wallinger
With High Distinction

BACHELOR OF SOCIAL WORK

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

Biftu Abdo*
Honours

Angela Domenica Accettura*
With Distinction

Josephine Nifemi Adeosun
Honours

Rachael Margaret Allan
Honours
Minor in American Sign Language and
Minor in Disability Studies

Michael Arsenault*
Honours

Monika Banel
Honours

Graham Peter Barker-Mallett*
Honours

Emma Lee Bowers
Honours

Ericha Braun*
With High Distinction

Sarah Brien*
With Distinction

Christopher David Brown
With Distinction
Minor in American Sign Language

Olivia Emma Brown
Honours

Shelby Roberta Bulmer
With Distinction

Julie Burnett
Honours
Minor in Women's and Gender Studies

Delia Carrillo
Honours

Veronica Daniele Colquhoun*
With High Distinction

Caroline Helena Connell*
With Distinction

Austin Daly
Honours
Minor in Psychology

Samantha Davidson
With High Distinction

Jason Michael Desroches
With High Distinction

Ngoc Han Nancy Do*
Honours

Twyla Eunice D'Souza
Honours
Minor in Psychology

Emily M. F. Edge*
Honours
Minor in Psychology

Haniah Farhat*
Honours

Holly A. Ferguson
With High Distinction
Minor in Women's and Gender Studies

Jessy Erin Fletcher-Randle
With High Distinction
Minor in Psychology

Kirsten Victoria Ashley Galbraith*
With Distinction

Samuel Graham
Honours

Kim Graveline*
With High Distinction
Minor in Psychology

Rebecca Helmer
Honours

Mali Heroux Rhymes
With High Distinction
Minor in Women's and Gender Studies

Alicia Anne Holmes*
Honours

Rachel Elizabeth Houle
Honours

Ana Elisabeth Jimenez
With Distinction

Zachary Keegan Johnstone
Honours

Humaira Kadri
Honours
Minor in Psychology

Naomi Elizabeth King
Honours
Minor in Philosophy

Brooklynn Alyssa Blaire Lacelle
With High Distinction

Krystle Latouche*
Honours
Minor in Women's and Gender Studies

Melanie Lauzon
With High Distinction
Minor in Psychology

Kathleen Erin Leonard*
With Distinction

Tristan Maack
Honours

Amanda MacFarlane*
Honours

Sherri Mackie*
Honours
Minor in Psychology

Magnolia McCallum
Honours

Brittany McDonnell
Honours

Nicole Katelynn McElwain
With Distinction

Brendon Mckay
With Distinction

Ixchel Medina Hernandez*
Honours

Nadia Mengel
Honours

Mohammed Moafak*
With Distinction

Hana Mohamed*
Honours
Minor in Women's and Gender Studies

Angela Natasha Montgomery
Honours

Alyssia Mootoo*
Honours

Hannah Janine Mulligan
Honours

Sara Nolan
Honours

Tara O'Reilly*
With Distinction

Tara Lynn Patrick
Honours

Melissa Philpott
Honours

Jessa Pillipow
Honours

Jennifer Isabel Pulfer*
Honours

Amanda Lilianna Rocca
With High Distinction

Scott David Roscoe
Honours

Elizabeth-Anne Rozek
Honours

Hermaline Sandy*
Honours

Danielle Kathryn Sansom
Honours

Missy Schutten
With High Distinction

Joshua Daniel Seary
With High Distinction
Minor in Psychology

Sarah Selkirk
Honours

Hannah Caroline Summers
Honours

Cinzia Valente
Honours

Julia Marie Van Brussel
With High Distinction

Joshua VanNoppen*
Honours

Madison Taylor Veltri
With Distinction

Kelsey Wagstaff
Honours

Heather Wellman*
Honours

Nicole Hess Wilhelm
Honours

Latasha Wilson
Honours
Minor in Disability Studies

Adeel Zaman
Honours

POST BACCALAUREATE DIPLOMA IN ECONOMICS

(Presented by Professor Christopher Worswick
Chair, Department of Economics)

Chimamaka Chika Eddy-Ugorji

Ganesh Vishnampettai

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 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.

Louise Hayes, *M.A.*

President, Carleton University Alumni Association



100%