

Carleton

UNIVERSITY



**157TH CONVOCATION
2022**

June 23, 2022
Ceremonies 13 and 14

2022 Spring Convocation

(2022 Graduates)

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Share your memories using the hashtag **#CarletonConvocation**

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 31,000 students. The university offers more than 150 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.

Centre for Indigenous Support and Community Engagement – 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. The Eagle Staff is a Grandmother staff and was created to be nurturing to our students. It was created by Joel "Bear" Babin who is Algonquin from Wahgoshig First Nation, and who practises Mitawin Traditional ceremonies. Mink fur on the staff represents the best of luck and success to our graduates. The Desert Eagle Hawk's feathers on the staff protect the Northern Flicker's feathers, symbolizing that we are there to guide our students. There are 12 feathers on the staff from a juvenile female eagle. Sage and Sweetgrass are attached and the braided material signifies our ties to the students and the colours represent the walks of life.

The Diploma

The diploma 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 or her 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 clothing 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 clothing 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 yellow; applied business analytics is emerald green; applied science is orange with a black cord; architecture is hot pink; architectural studies is hot pink with a black cord; arts is white; business administration is camel brown with a black cord; cognitive science is sky blue with a gold cord; commerce is camel brown; communication and media studies is navy blue; computer science is walden blue; economics is old gold; engineering is orange; entrepreneurship is palmetto green; global and international studies is lavender; health sciences is firebird red; human computer interaction is smoke blue; humanities is white with a red cord; industrial design is toreador red; master of information technology is maize; bachelor of 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; journalism and humanities is white with a black and red cord; mathematics is hunter green; media production and design is white with a black and gold cord; music is pink; philanthropy and non-profit leadership is toreador red with a black cord; political management is sky blue with a black cord; public affairs and policy management is peacock with a gold cord; public policy and administration is peacock with a black cord; science is Spanish 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 square collar at the back and modified T Sleeve. It is made of royal blue cloth with light blue facings that continue around the back. The light blue also trims the bottom edge and slit of the modified sleeve.

The hood 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 construction of this exceptional facility.

Officiating Officers

Chancellor



Yaprak Baltacioğlu, LL.B., M.A.

Yaprak Baltacioğlu has been one of Ottawa's most seasoned deputy ministers, serving as a trusted advisor to Prime Ministers and numerous ministers. Over her career, she has led the Departments of Agriculture and Agri-Food, Transport, Infrastructure, and Treasury Board Secretariat. Now retired, Baltacioğlu serves on the Boards of Deloitte Canada and Chile, MDA, Canadian Standards Group, Canadian Nuclear Laboratories and Ottawa Hydro. She is a Senior Distinguished Fellow at the University of Toronto's Munk School of Global Affairs and Public Policy. Baltacioğlu is a Member of the Order of Canada.

President and Vice-Chancellor



Benoit-Antoine Bacon, Ph.D.

Benoit-Antoine Bacon was appointed as President and Vice-Chancellor on July 1, 2018, and was recently renewed for a second five-year term. He joined Carleton from Queen's University where he served as Provost and Vice-Principal (Academic). His first academic appointment was at Bishop's University. He is a three-time recipient of Bishop's Merit Award for exceptional performance in teaching and research. Bacon holds a Ph.D. in neuropsychology from the University of Montreal, after which he completed an NSERC-funded postdoctoral fellowship at the University of Glasgow in Scotland. His research in the field of cognitive neuroscience focuses on the links between brain activity and perception in the visual and auditory systems, as well as on multi-sensory integration.

Vice-Chair of the Board of Governors



Greg Farrell, B.Comm., CPA, CA

Greg Farrell served as the President and Chief Operating Officer of Giant Tiger Stores Limited until his retirement in 2015. Throughout his career, Farrell devoted his time to giving back to the community, working with a number of non-profit and Ottawa-based organizations over the years.

Farrell is a former member of the Finance Council of the Roman Catholic Archdiocese of Ottawa-Carleton and a past board Director for the Ottawa Senators Foundation.

He holds a Bachelor of Commerce degree from Carleton University.

The Presiding Officer of Convocation for today's ceremonies is the Chancellor of the University, Yaprak Baltacioğlu, LL.B., M.A.

Accompanying her on the podium is the President and Vice-Chancellor of the University, Benoit-Antoine Bacon, Ph.D.

Assisting the Chancellor

Marshal of Convocation

Elinor Sloan, *Ph.D.*

Professor, Faculty of Public Affairs

Betina Appel Kuzmarov, *Ph.D.*

Associate Professor, Faculty of Public Affairs

Donald L. Russell, *Ph.D.*

Professor, Faculty of Engineering and Design

Eagle Staff Carrier

Michaela Michaud-Hunter

Ojibwe Nation

Aurora Ominika-Enosse

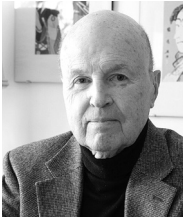
Ojibwe Nation – Wiikwemkoong Unceded

Territory

The university acknowledges the many faculty, staff, campus departments and ancillary operations for their valuable contribution to the success of the Spring 2022 Convocation ceremonies.

University Awards

2021/22 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.

Carl H. McMillan Jr., *Ph.D.*

Carl McMillan discovered his passion for Russian Studies through years of travel and study abroad – a devotion that would lead him to Carleton in 1968, where he would become one of the first directors of what is now known as the Institute of European, Russian, and Eurasian Studies (EURUS). McMillan would serve as Director for two terms before retiring in 1998.

Fifty-five years later, his commitment to Carleton remains steadfast. His contributions have led to the establishment and funding of both the Pushkin Endowment Fund and the McMillan Chair in Russian Studies, that support teaching and research excellence within EURUS.

His selfless dedication to the Institute and its students has inspired many, leaving behind a legacy of collaboration in research and teaching that endures.

McMillan has a B.A. and M.A. in International Relations from Yale University and a Ph.D. in Economics from Johns Hopkins.

2021/22 Board of Governors Award for Outstanding Community Achievement



The Board of Governors Award recognizes the spirit of student volunteerism and substantial community contribution while studying full time at Carleton University.

Valentina Vera Gonzalez, *BIB*

Valentina Gonzalez is a final year student studying International Business with a Minor in French and a concentration in Global Financial Management and Systems.

Since beginning her studies in 2018, Gonzalez has contributed immensely to the spirit of student volunteerism and leadership at Carleton University. She has served as President of the Humanitarian Organization of Latin American Students (HOLAS), a peer mentor, a Paul Menton Centre volunteer, and a member of the CUSA Student Issues Action Committee.

Her commitment to success has seen her achieve Dean's Honour List status in 2019 and 2020, as well as being awarded the Scotiabank Scholarship in International Business, Marie Odette Gabrielle Clay Memorial Award, and Sprott Business Students' Society Scholarship in 2019, 2020, and 2021 respectively.

Medallists in the Graduating Class

Governor General's Medal

Awarded annually to a student standing at the head of the graduating class at the graduate and undergraduate levels

Donor: Her Excellency the Governor General of Canada

Samra Brkic
Kevin Dick
Zachary Noah William Silver

Chancellor's Medal

Awarded annually in the name of the Chancellor of the university to graduating students of outstanding academic achievement

Joyce Theresa Bacic
Justine Kennis
Erica Ann O'Neill
Madeline Eva Alberta Wadlow
Jayson Joshua Yung
Yangrui Zhu

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 Guarnieri

University Medal for Outstanding Graduate Work

Doctoral level

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

Michael J. Palmer

Master's level

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

Danielle Saj

University Medal

Awarded annually, when merited, to the graduating students standing highest in the Faculty of Arts and Social Science, Faculty of Engineering, Faculty of Public Affairs, Faculty of Science, Sprott School of Business

Faculty of Arts and Social Sciences

Katherine Emily Bobbitt
Sarah Anne Booth
Julia Kristen Bursey
Alyssa Maria Gaetano
Kyle Kenneth Kreutner
Mackenzie Jillianna Mayled
Emily Grace Gourley Poulsen
Justin Phillip Koji Shimizu
Shaelene Gerri Stack
Neve Milot Sugars-Keen

Faculty of Engineering

Anne Bastin
Joshua Peter Berghuis
Natalia Pavlovna Fomenko
Dylan Leveille
Michael Marsland
Magdalena McClure
Shiva Moin
Chase Sun
Celia Ren Yunyue Wang
Wendi Zhu

Faculty of Public Affairs

Laquesha Thushanda Bailey
Jillian Marie Buckie
James Cabral
Emily Gregoire
Ariel Alexis Harker
Kyle Alexander Lyon
Pascale Therese Malenfant
Najla Mohamed
Tobin Ng
Caitlin Maria Manuella Oliveira
Maaz Panchbhaya
Tanya Alicia Schwartz
Kathleen Geneviève Weary

Faculty of Science

Mikaela Ethier-Gagnon
Ilan Gofman
Kathryn Casey Harris
Ryan Ly
Elias Philip Mondor
Kristopher Tucker Samant
Jenny Shen
Wayne Yuan Tian II

Sprott School of Business

Sarah Mahfouz
Caralee Sarah Savage
Erika Jessie Schwab
Michelle Y. M. Tse-Seguín

Senate Medals for Outstanding Academic Achievement Graduate

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

Doctoral level

William Leonard Felepchuk
Yuan Wu
Samantha Amy McAleese
Melodie Cardin
Mohamed Hazem Abdelazez

Master's level

Emily Marie Walter
Ian Conor MacLean-Evans
Amanda Marie Stefan

Dawson Clark
Amir Reza Tabkhi Wayghan

Senate Medals for Outstanding Academic Achievement Undergraduate

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

Pawandeep Kaur
Abdul-Khalil Aalab
Geneva Jumoke Okuntola Akinniyi
Christianna Violette Alexiou
Waqas Ali
Ethan Allain
Mariam Almalki
Michael Charles Robert Gordon Antram
Havailah Bhatti Arnold
Feras Balbous
Samphe Brule Emily Lhasa Ballamingie
Benjamin Dov Beiles
Ben Samuel Bergen
Val Berri
Noor Angharad Bhimani-Burrows
Zach Bidgood
Chiara Rosa Brum Bozzi
Marianne Brissette
Jaya Budhia
Cassandra Lynn Calow
Marlaina Cameron
Alexander Scott Carter
Kenny Chan
Elizabeth Jane Charters
Francis Choi
Trinity Lyn Choiniere-Hamilton
Jada Leeann Clark
Dani Julienne Clayton
Gillian Claire Coffman Cook
Beatrice Corvucci
Rose Marie Danen
Sarah Desbiens
Toma Diaconescu-Grabari
Carley Sonja Dunbar
William Cole Dunstan
Paige Elizabeth Eborall
Aram Ebrahimi-Nafchi
Sophie Ehlebracht
Samar El Faki
Jackie El-Choueiry
Holly North Ellingwood
Thomas Anthony Fitzpatrick
Daniel Joshua Fogel
Olivia Sarah Gagnon
Jana Galley
Samuel Gamelin
Keltie Gardiner
Evan Michael Gibney
Jordan Richard Glass
Robert Rabih Gobeil-Hassan
Juan Sebastian Gomez
Luke Nicholas Goralczyk
Santinah Green-Mignacca
Michael Gunther
Yue Han
Sideqa Haqani

Graydon Edward Haskins
Erica Jayne Heiber
Megan Anne Hicks
Aidan Hill
Dane Ashton Hintermueller
Philip Christopher Hobbs
Christopher Bryan Holtum-Bennett
Megan Sahar Hooper
Camille Lynn Houde
Tianjiao Hu
Omar Imran
Alexander Oghenerobo Iwoh
Christina Katherine Jane
Hussein Hassan Janoowalla
Odessa Johnson
Emma Lysbeth Johnston
Angelina Desiree Joly
Morgan Holly Jones
Eren Kaya
Marianne Keuleman
Csaba Kilian
Jun-Won Kim
Nigel Rose Heathcliff Klemencic-Puglisevich
Nikita Katarina Koziel Ly
Tanushree Kunwar
Adam Michael Lemkow
Scott Erwin Thomas Leslie
Justin Li
Jiarui Li
Joshua Lonz
Chanel Nikita Dolly Lorena
Sean Patrick MacInnis
Lauren Maria MacLellan
Michael John Maddeaux
Lauren Patricia Maloney
Angelica Jane Mapeso
Julia Grace McDonald
Emma Christine McFarlane
Kieran Jamesee John McGregor
Mckenna Anfield Mottahed
David Anthony Neudorf
Baillie Emma Noell
Andrew James Paddon
Gabrielle Antoinette Pancu
Lauren Abigail Pesce
Aaron Paul Plowman
Wade Tyler Racicot
Gerald Franklin Rafael-White
Saif Rehman
Keenan James Reynolds
Shannon Leigh Robinson
Jacob Randal Gordon Roulston
Frances Elizabeth Sherratt
Mahad Mohammad Siddiqi
Shayna Kaylee Snucins-Earl
Shuang Song
Jordan James Stanfield
Maisie Isabelle Sturrock
Rosa Sun
Nicholas David Anthony Surges
Farhoud Talebi
Kimberly Anne Tan
Alexandria Beth Tesolin
Jicao Tian

Deanna Buscemi Todisco
Madison Marie Tomasini
Sydney Claudia Vallati
Cora Vasut
Madison Mikayla Venugopal
Kaelee Carmene Vincent
Kellen Vuong
Daniel Caleb Wall
Robert Ben Wallace
John Colin MacDonell Ward
Rachel Louise Watts
Logan John Weatherbie
Maia Mikala Cameron Wenger
Andrew David Wilson
Alexandra Hannah Wilson
Haoyu Xu
Paul Richard Zappacosta
Idir Yacine Zerrouk
Patty Zhou

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).

Ceremony 13

Thursday, June 23, 9:00 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 (*)

Convocation Speaker

Larry W. Kostiuk

Dean, Faculty of Engineering and Design



Larry W. Kostiuk began a five-year term as Dean of the Faculty of Engineering and Design on July 1, 2019.

Prior to joining Carleton University, he served in several roles at the University of Alberta, including Chair of the Department of Mechanical Engineering (2002-2012), Associate Vice-President – Research (2015-2018), and Director of Future Energy Systems (2016-2018) – a Canada First Research Excellence Fund program.

Kostiuk's research specializes in chemical reacting flows, combustion (flaring, premixed flame dynamics, and pool fires), pollutant formation and control, thermodynamics, micro- and nano-fluidics (continuum and non-equilibrium molecular dynamic modeling), and energy conversion systems.

He has been a Visiting Professor at Centre National de la Recherche Scientifique in France, (2014-2015, 1997, 1996, 1995), Carleton University (2014), the Indian Institute of Technology (2013), the University of Cambridge, (2001-2002), and was a Special Advisor to the Assistant Deputy Minister of the Science and Innovation Division of the Department of Economic Development and Trade.

His research record has resulted in him being named a Fellow of the Canadian Academy of Engineering (2012) and Fellow of the Canadian Society for Mechanical Engineering (2011). His research group also won the Summit Award for Environment Excellence from the Association of Professional Engineers, Geologists, Geophysicists of Alberta (2007).

Order of Proceedings

Ceremony 13

Thursday, June 23, 9:00 a.m.

Chancellor Yaprak Baltacioğlu, LL.B., M.A., presiding

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

Processional Music

Opening Ceremony Video

Elder Irene Barbeau
Cree Nation

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

Introduction by the Master of Ceremonies

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

Convocation Address

Larry Kostiuk, Dean, Faculty of Engineering and Design

Conferring of Degrees and Awarding of Medals

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

Closing Address by the President and Vice-Chancellor

Benoit-Antoine Bacon, *Ph.D.*

Recessional Music

Master of Applied Business Analytics

(Presented by Associate Professor Amir Hakami
Associate Dean, Faculty of Engineering and Design)

Technology Innovation Management

Richard Abakah-Akumah*

Moaz Adam*

Alhussain Alsayani*

Akshay Choudhary

Ohiozoba Festus Egwaikhide*

Zahidul Haque

Bushra Munaf*

Yeri Williams Nabena*

Jetesh Narayanan

Lauria Fleurine Ndonguissop Ndonguissop*

Deborah Akinyi Okoth*

Oluwaseun Lizzy Olowookere

Homa Sariak

Sumit Sharma

Varsha Srinivas

Ermias Goshu Tadesse

Gbemisola Omotola Tandu

John Ekene Umunna*

Suseendaran Vijayakumar

Rohaam Jawaid Zuberi

Master of Applied Science

(Presented by Associate Professor Amir Hakami
Associate Dean, Faculty of Engineering and Design)

Sustainable Energy

Chris Rawling

Assessment of Zero Carbon Hydrogen/
Ammonia Based Energy Systems for
Northern and Remote Communities in Canada

Cameron Stephen Roth

Gas- and Particulate-Phase Emissions
from Lab-Scale Flares Experiencing Liquid
Carryover

Tristan Walker*

Evaluation of High-Rise Building-Based
Hydroelectric Systems for Improving Energy
Efficiency at the Urban Scale

Technology Innovation Management

Jeffrey Neil Cole*

Faster, Cheaper, and Higher-Value Proof-
of-Concept Prototypes for Technology
Entrepreneurs: A Constructive Thesis on
Prototyping Solar Thermal Technologies

Monasadat Fallahdoust*

Nudges and Cybersecurity: Harnessing
Choice Architecture for Safer Work-From-
Home Cybersecurity Behaviour

Master of Arts

(Presented by Associate Professor Amir Hakami
Associate Dean, Faculty of Engineering and Design)

Sustainable Energy

Noah Leduc

Co-operative Education

Carmella Uwineza Munyuzangabo

Co-operative Education

Peter Walter Lloyd Whitred

Master of Engineering

(Presented by Associate Professor Amir Hakami
Associate Dean, Faculty of Engineering and Design)

Sustainable Energy

Mansour Kachlan

Mihir Jayprakash Shirke

Yamen Tamer Abdelfattah Soliman

Co-operative Education

Technology Innovation Management

Adeola Adegboyega Adejuyigbe

Zechariah Chiwonsoko Adikpewun

Amirkhashayar Ahadpour

Ahmed Salim Bennouri*

Yao Cai

Rachana Dalwai

Oredola Eludipo

Ibinabo Data Garry

Samuel Hanson Hagan*

Khalid Hejazi*

Swathika Ilangovan

Tanmeet Kaur

Udichi Luitel

Priyanka Mariappan*

Suchismita Mishra

Siddiqui Mohammad Shajiuiddin*

Daniel Ifeanyi Ojinaka

Kenechukwu Sean Okigbo

David Olaniyi Olasupo

Purwa Sachin Patil*

Shaina Mohamed Pyarali

Vishalini Ramakrishnan

Hodeis Rezvanian

MohammadRami Salamin

Ahmad Seifinasab

Md Shakil Mahmud Shanto Bhuiyan*

Nitika Sharma*

Rajat Singh

Surya Subramanian*

Francis Delali Kofi Tetteh

Chukwuemeke Uteh-Obuseh*

Master of Entrepreneurship

(Presented by Associate Professor Amir Hakami
Associate Dean, Faculty of Engineering and Design)

Technology Innovation Management

Shayan Abasalt

Muhammad Samsul Arefin

Omobolaji Atanda

Ibrahim Hammoud*

Shadi Heidari

Taasopurgopwa Anita Iliya*

Callistus Igenegbai Itakpe

Komal Luthra*

Mareom*

Mireille Mwiza Iradukunda*

Alfred Ebehiremhen Okosun

Tolulope Olaniyi Olanrewaju

Bachelor of Engineering

(Presented by Professor Larry Kostiuik
Dean, Faculty of Engineering and Design)

Engineering Physics

Matthieu Bourbeau*

Caroline Olivia Deluce

Dane Ashton Hintermueller*

With High Distinction

Keenan Darnell Lenfesty

Jonathan Aaron Levine

With Distinction

Co-operative Education

Jennifer Mary Tryon*
With Distinction
Co-operative Education

Yu Wan

Sustainable and Renewable Energy

Ahmed Al Amawi

Hamza Zakaria Al-khateeb

Reeбал Allaham

Ghida Abdulrahman Arkadan
With Distinction

Frederick Ifeoluwa Dolapo Awomuse

Merlyn Amer Baxter-Jeffery
With High Distinction
Co-operative Education

Andre Nathaniel Dixon
Minor in Computer Science

Benjamin Julian Dudley

Samuel Eli Eisenberg
With High Distinction
Co-operative Education

Bilal El-Zaylaa
Co-operative Education

Laura Farid

Evan Michael Gibney
With High Distinction
Co-operative Education

Abdelrahman Hajhassan

Erica Jayne Heiber
With High Distinction
Co-operative Education

Anna Margaret Katsaras

Thomas Wai-Chung Kirton
With Distinction

Tianze Li*

Akbar Maksat Uulu

J r mie Martin*

Yahya Masalha

Magdalena McClure*
With High Distinction
Co-operative Education

Sarah Katherine McTaggart
With Distinction
Minor in Physics
Co-operative Education

Kevin Rupert O'Flaherty

Maxime Sylvain Rene
With Distinction
Co-operative Education

Basheer Saleh*
With High Distinction

Sara Hesham Samy

Keith Russell Sauv *

Byron Spencer Shaw
With High Distinction
Minor in Computer Science
Co-operative Education

Connor Robert Bradd Smyth*
Minor in Business

Shuang Song
With High Distinction
Minor in French
Co-operative Education

Connor Gould Stafford*

John Colin MacDonell Ward*
With High Distinction
Co-operative Education

Suifeng Ye

Ceremony 14

Thursday, June 23, 11:45 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 (*)

Convocation Speaker

Larry W. Kostiuk

Dean, Faculty of Engineering and Design



Larry W. Kostiuk began a five-year term as Dean of the Faculty of Engineering and Design on July 1, 2019.

Prior to joining Carleton University, he served in several roles at the University of Alberta, including Chair of the Department of Mechanical Engineering (2002-2012), Associate Vice-President – Research (2015-2018), and Director of Future Energy Systems (2016-2018) – a Canada First Research Excellence Fund program.

Kostiuk's research specializes in chemical reacting flows, combustion (flaring, premixed flame dynamics, and pool fires), pollutant formation and control, thermodynamics, micro- and nano-fluidics (continuum and non-equilibrium molecular dynamic modeling), and energy conversion systems.

He has been a Visiting Professor at Centre National de la Recherche Scientifique in France, (2014-2015, 1997, 1996, 1995), Carleton University (2014), the Indian Institute of Technology (2013), the University of Cambridge, (2001-2002), and was a Special Advisor to the Assistant Deputy Minister of the Science and Innovation Division of the Department of Economic Development and Trade.

His research record has resulted in him being named a Fellow of the Canadian Academy of Engineering (2012) and Fellow of the Canadian Society for Mechanical Engineering (2011). His research group also won the Summit Award for Environment Excellence from the Association of Professional Engineers, Geologists, Geophysicists of Alberta (2007).

Order of Proceedings

Ceremony 14

Thursday, June 23, 11:45 a.m.

Chancellor Yaprak Baltacioğlu, LL.B., M.A., presiding

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

Processional Music

Opening Ceremony Video

Elder Irene Barbeau
Cree Nation

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

Introduction by the Master of Ceremonies

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

Convocation Address

Larry Kostiuik, Dean, Faculty of Engineering and Design

Conferring of Degrees and Awarding of Medals

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

Closing Address by the President and Vice-Chancellor

Benoit-Antoine Bacon, *Ph.D.*

Recessional Music

Doctor of Philosophy

(Presented by Associate Professor Amir Hakami
Associate Dean, Faculty of Engineering and Design)

Aerospace Engineering

Kirk Charles Hovell*

Deep Reinforcement Learning as Guidance
for Aerospace Robotics
Supervisor: S. Ulrich

Nicholas Robert Tepylo*

A Hybrid De-icing Strategy Utilizing Tailored
Anti-Icing Coatings Paired with Electro-
Thermal and Electro-Mechanical Ice
Protection Systems for Use on Rotary-Wing
Aircraft
*Supervisors: R. Miller and V. Pommier-
Budinger and M. Budinger*
In Cotutelle with Université de Toulouse

Mechanical Engineering

Julius Osemudiamen Adoghe

Control of Unmanned Aerial Vehicle with Wing
Shape Identification using Vision System and
Sensor Fusion
Supervisor: J. Sasiadek

Rafaela Aguiar*

A Study of the Effect of Halloysite-
Reinforcement on the Dynamic Behaviour of
Polyurethane
Supervisors: R. Miller and O. Petel

Iain Martin

Real-Time Operator-in-the-Loop Anti-Sway
Control for Shipboard Cranes
Supervisor: R. Irani

Master of Applied Science

(Presented by Associate Professor Amir Hakami
Associate Dean, Faculty of Engineering and Design)

Aerospace Engineering

Arsalan Ahmed*

Multi-Sensor Fusion for Navigation of Ground
Vehicles

Lohay Al-Bess*

Experimental and Computational Investigation
of a Highly Flexible Airframe Taxiing Over an
Uneven Runway for Aircraft Vibration Testing

Olivia Marie Chamberland*

Neural Network Based Predictions for the
Aerodynamic Performance of Flapping Wings

Mitchell Andrew Collett*

Numerical Modelling of Dielectric Barrier
Discharge Plasma Dynamics in Pure and
Multi-Species Fluids

Francis Thomas Despond*

Non-Cooperative Spacecraft Pose Estimation
Using Convolutional Neural Networks

Mila Jane Esther Kanevsky

Improving Quality of 3D Printed Components
for Remotely Piloted Aircraft Systems with
Curved Layer Fused Filament Fabrication

Richard Grant McKercher*

Modelling, Flight Dynamics and Inner-Loop
Control of an Urban Air Mobility Vehicle
Subject to Empirically-Developed Urban
Airflow Disturbances

Andriy Predmyrskyy*

Design Methodologies for Simple Adaptive
Controllers with Applications to Spacecraft
Proximity Operations

Patrick Rouso

Workspace Control of Free-Floating Space
Manipulators for Implementation in a Novel
On-Orbit Servicing Mission Architecture

Sanaz Samsam*

An Evolutionary Framework for Multi-
Objective Trajectory Design and Robust
Model Predictive Control in Long-Range
Rendezvous Missions

Rahul Rameshchandra Shah

Laser Ablation of Paint from 2024-T3 Alclad
Aluminum - Numerical Simulation and
Experimental Characterization

Nicholas Graedon Thomson*

Modelling of Wall Pressure Fluctuations
Induced by Turbulent Boundary Layer Flow

Wei Wang

Study of Additive Manufacturing of Hastelloy
X Using Plasma Arc Welding Technology

Mechanical Engineering

Nabil Bala Ahmed

Development of a Dynamic Simulation of an
Automobile that Incorporates Four Wheel
Steering and a Driver Model

Belal Daouk*

A Statistical Approach for Determining the Impact of Sensor Orientation and Electrode Type on Moisture Content Measurements in Eastern White Pine

Mahdokht Golmohammadishouraki*

Prediction of Fatigue in Lower Extremity using EMG Sensor and Machine Learning

Mohammadreza Heidari Pebdani*

Atomic Simulation of Pull-Out Halloysite Nanotube from Polyurethane by Molecular Dynamic Method

Mohammadreza Mottaghi*

Optimal Robust Output-Tracking of Autonomous Rovers with Dynamic Traction Control

Jennifer Sarah Rovt*

In Situ Intracranial Strain Measurements within an Elastomeric Brain Surrogate

Shahryar Shahryari Fard*

Additive Manufacturing with Stellite 6 Metal-Cored Wire by Gas Tungsten Arc Welding and Plasma Arc Welding Methods

Hannah Carolyn Thomson

A Methodology to Evaluate Strain Within Tissue Slabs under Complex Loading

Shuhao Wu*

Interaction of a Turbulent Spot with a Two-Dimensional Cavity

Muhammad Sarmad Zahid*

Investigation of the Feasibility of Deploying Electro-rheological Dampers in a Drop Tower to Replicate the Impact Profiles of High Speed Craft

Master of Engineering

(Presented by Associate Professor Amir Hakami
Associate Dean, Faculty of Engineering and Design)

Aerospace

Bhavi Vijay Gandhi

Hiral Natvarsinh Gohil

Jose Luis Martinez Torres*

Henilkumar Kiritkumar Patel

Mechanical

Jay Ashwinbhai Ajudiya

Srikar Reddy Alakonda*

Harieswar Athaluri

Nirmal Dilipkumar Dawda

Anilkumar Dharani

Emamezi Goodness Ebebeinwe

Wesley Alan Fritzke*

Anish George Georgekutty

Ashkan Jalaeiantaghaddomi*

Rama Krishna Mende

Tanwant Singh Pannu

Bhargav Shreyaskumar Parikh

Karan Saurin Patel

Keval Mukeshbhai Patel

Nisarg Manojbhai Patel

Tirth Rohitkumar Patel

Mack Jerald Rozario

Siavash Safaie

Baljinder Singh

Gulshan Deep Singh

Bachelor of Engineering

(Presented by Professor Larry Kostiuik
Dean, Faculty of Engineering and Design)

Aerospace

Olutomiwa Divine Agbana

Ahmed Shaheer Ahnaf Huda

With High Distinction

Co-operative Education

Abraheim Alokby*

Co-operative Education

Anto Dency Amalraj

Co-operative Education

Kody Christopher Anderson

Mitchell Douglas Barta

With Distinction

Co-operative Education

Patrick Timothy Bell
Co-operative Education

Liam Robert Scott Benjamin
With Distinction
Co-operative Education

Angel Alberto Berganza Tejada
Co-operative Education

Matthew Andrew Buchan
With Distinction

Caleb Eric Bulhuis

Kurt Nikolaus Bunagan
Co-operative Education

Nicholas Peter-Alan Cantarutti*
Co-operative Education

Mathieu Cantin Halpin
With High Distinction

Spencer Alexander Carlyle*
With High Distinction
Co-operative Education

Juan José Carrión Ruiz

Alexander Scott Carter
With High Distinction

Prionzita Chakraborty
Co-operative Education

Mackenzie Aaron Cheung

Miranda Margaret Cochrane
Co-operative Education

Nykoda Martin Cooper

Dante Antonio Corsi
Co-operative Education

Thomas Alan Cross*
With Distinction

Kyle Cruz
Co-operative Education

Isaac Samuel Csekey

Alexander Jacob Cunningham
With Distinction
Co-operative Education

Andrew David Curtis*
With Distinction
Co-operative Education

Thomas Michael Dalkowski
With Distinction
Co-operative Education

Imran Dattoo

Daniel Neville Deck
With High Distinction
Co-operative Education

Elyse Saphira Dollar*
With High Distinction

Amelia Agnes Kali Elder

Tyrone M. Fairs
Co-operative Education

Justin Josef Ferrer

Matthew Gilbert

Reece Stewart Gordon-McIntosh

Alex Grinchpoun*
With Distinction
Co-operative Education

Ishaan Gulati

Michael Gunther
With High Distinction
Co-operative Education

Danah Ambika Hassanali

Manuel Lubira Inziani*

Alex Jurgutis

Abitalib Kagalwala
With Distinction
Co-operative Education

Muhammad Ali Kasbati
With High Distinction

Seon-Ju Kim

Murali Kuganesan*
Co-operative Education

Aidan Steven Laframboise

Julien Lajoie-Lemay*
Co-operative Education

August Axel Lear*

Caroline Lenarcic*
With High Distinction
Co-operative Education

Simona Lewis

Yicheng Li
Co-operative Education

Cornelius Elroy Chukwueneka Liburd
With Distinction
Co-operative Education

Runjia Liu
With Distinction
Minor in Computer Science
Co-operative Education

Daniel Lopez-Carreón
With Distinction
Co-operative Education

Abigail Marie MacGillivray
Co-operative Education

Koon Chung Marcus Man*

Hussein Mansour

Santiago Martinez Acevedo
With Distinction
Co-operative Education

Logan Mcfadden*

Matthew Joseph McMahan
With Distinction
Co-operative Education

Zachary Edward Millard

Matthew Douglas Murray
Co-operative Education

Samuel André Nadler
With Distinction

Noah Gunner Newport

Jingchong Ning
Co-operative Education

Victor Njemanze*

Thomas Andrew Ondercin*

Jashan Jyot Singh Padwal

Zili Pan

Michael Francesco Pantano
With High Distinction
Minor in Statistics
Co-operative Education

Trevor George Phair
With High Distinction
Co-operative Education

Owen Robert Rainboth

Hayden Alexander Cornelis Riet

Liam Andrew Ritchie*

Nabil Kamal Roberts
With High Distinction
Co-operative Education

Christian Emmanuel Santos Rodrigues*
Co-operative Education

Muhammad Sajid*

Palliyadora Hewage Mark Stephan Samarawickrama*

Syed Ahnaf Samdani

Peter David Schuett
With Distinction
Co-operative Education

Christopher George Seymour*
Co-operative Education

Aaryan Shameem

Fang Chi Shao*

Lucia Spagnuolo*
Co-operative Education

Jacob Christian Stock

Isaac Jack Tabachnick

Eric Tadros

Yashsinh Pradipkumar Thakore

Malcolm Allen Middlebro' Tychie*

Alvaro Jose Valencia

Noah Jeremy Veenstra
With High Distinction
Co-operative Education

Zhuo Wang
Co-operative Education

Samuel Conrad Wells

Jerami Clayton Williams*

Liam Henry Wilson

Alexander Marcin Wlodarczyk*

Bishal Yadav
With Distinction
Co-operative Education

Brennan James Yake

Yi Zhang
Minor in Statistics

Biomedical and Mechanical

Anne Bastin
With High Distinction

Mackenzie James Bauer
With High Distinction
Co-operative Education

Catherine Christine Butts

Christopher Joseph Chiu

Jean-Jacques Demiannay
With Distinction

Rim Mostapha El Haj Dawoud

Shannon Irene Elmgren
With High Distinction
Co-operative Education

Shuang Feng

Eli Frances Cornut Goddard

Fatima Hassan*

Elnaz Iraei
With High Distinction

Timothy Fook-Chuen Kwok
With Distinction
Co-operative Education

Maximiliano Laborde

Victoria Rebecca Lapointe*

Neru Mahendiran

Garett Lund McCulloch

Bishoy Mickhail*
Minor in Computer Science
Co-operative Education

Joshua Rein Mooy

Mahdi Sayed Naserzad

Blossom Omotayo
With Distinction
Co-operative Education

Nicole Victoria Rideout
Co-operative Education

Rebecca Lynn Robinson
With High Distinction
Co-operative Education

Ali Reza Shams
With High Distinction

Ocean Lee Tarr

Samantha Isabella Wong
Co-operative Education

Mechanical

Rawan Abdou

Michel Abou Assaly

Mathai Abraham

Ahmed Mohamed Abdelhakim Afify Ghith*

Yazan Al Bawwab

Abdelrahman Ashraf Alcibahy

Muhammad Wasif Ali

Julian Becker*

Travis John Bernhardt*

Darren Anthony Boomsma

Maltiti Katale Braimah

With High Distinction
Co-operative Education

Quinn Alexandra Buccioli

Nicholas Scott Butler

Mackenzie Calwell*

Isabelle Amberley Ching

Simon Edward Christie*

Michael Console

Nicholas Peter Jules Cunningham-Bourbonniere

Co-operative Education

Andrew Nathan DesRoches

With High Distinction
Co-operative Education

Kahini Singh Dhoat

Victor Dimitrov

Omar Magdi Eleshmawi

Co-operative Education

Olayiwola Elijah Fakolujo

Mohamed Zeyad Farag

Kyle Fong

Matthew Cameron Frey

With Distinction
Co-operative Education

Jackson Genise*

Co-operative Education

Eric Michael Gibson

Graeme Ronald Gibson

Jessica Maria Gomez Mercado

Braden Byrne Gunther

With Distinction
Co-operative Education

Jason D. Halter

Aricin Taite Harnish

With Distinction
Co-operative Education

Muhammad Fardeen Aadil Heeramun

Matthew Ho

With Distinction
Co-operative Education

Jason Russell Davis Hurley*

With High Distinction
Co-operative Education

Mohammed Sajedul Islam*

Dawson James Kita

Co-operative Education

Ahmad Komaiha

Co-operative Education

Damon Thomas Kral

Co-operative Education

Adam Labrie

Nicholas William Landry

Bryson Alexander Lee

Qixin Li

Kwet Yui Li Kim Mui

Clay Gavin Kenneth MacWhirter

Lyndsie Hauyee Melanie Mak

Co-operative Education

Winston Wilfred Martis

Alexandre Ronald Mcafferty Leroux

With Distinction

Brody Legere McPhee

With Distinction
Co-operative Education

Gayathra Bimsara Mudalige Don

With Distinction
Minor in Business for Engineers

Moise Mwema

Co-operative Education

Sarah Annu Nahas

Co-operative Education

Nga Nghiem

Minor in Business for Engineers

Chimdi Esomchiaga Njoku-Obi*

Ahmad Musa Obeidallah*

Adedayo Olufemi Ogunnoiki

Philip Onanefe Okotete

With High Distinction
Co-operative Education

Samson Esosa Osadolor*

Devon John Payne

Minor in Industrial Economics

Noah Rocky Peplinski

Nicolas Gilbert Gagnon Pollarolo

With Distinction

Jake Patrick Prentice

Dulini Sewwandi Rathnasooriya

Co-operative Education

Jason Andrew Rodda

Ethan David Ross

Hansel Timothy E. Rowe

Muhammad Saim

Jake Robert Shewan*

Syeda Sahar Shoaib

Mustafa Shoman*

Kanwar Singh

Minor in Business for Engineers

Daniel Skalecki

With Distinction

Co-operative Education

John Smith

With Distinction

Kieran John Steeves

Co-operative Education

Paige Frances Stufko*

With High Distinction

Chase Sun

With High Distinction

Co-operative Education

Zecheng Sun

Sami Tabikh

With Distinction

Co-operative Education

Rui Takita

Osama Tariq*

Ian Tissot Van Patot*

Philip Martin Weber

With Distinction

Mohammed Hesham Mahmoud Salama Zeedan

Alumni Association Welcome



Congratulations on obtaining your degree from Carleton University, persevering through any and all challenges faced. Welcome to the Carleton University Alumni Association (CUAA).

With your remarkable achievement comes a membership in a thriving club – a dynamic organization of more than 177,000 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 represents 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 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.

Mat Main, *B.Eng*
President, Carleton University Alumni Association

Additions and Corrections

The following additions and/or corrections were made by Senate following the publication of the June 2019 Convocation program.

Bachelor of Science Honours

Paul-Rene Victor Gert Dreessen

Biology

Macarena Teresa Freire Lyon

Food Science and Nutrition

Minor in Chemistry

Bachelor of Arts Honours

Dominic Santos

Criminology and Criminal Justice

Concentration in Law

Bachelor of Arts

Kalenga Sarah Ntumba

Human Rights

Elizabeth Prevost-Maurice

With Distinction

English



Ottawa, Ontario, Canada



100%