Friday, June 15, 2018: 2:30 p.m., FirstOntario Concert Hall

Five hundred and ninetie/th for conferring degrees

Presiding
Chancellor
Suzanne B. Labarge
B.A., M.B.A., D.Litt. (Hon.)

President and Vice-Chancellor
Patrick Deane
B.A. (Hons.), M.A., Ph.D.

McMaster University recognizes and acknowledges that we meet today on the traditional territories of the Mississauga and Haudenosaunee nations and within the lands protected by the Dish With One Spoon wampum agreement.

ORDER OF EXERCISES

Musical Prelude
The Graduand Procession
The Academic Procession
The Chancellor’s Procession

Provost’s Welcome
Dr. David Farrar

The Chancellor’s Welcome
Dr. Suzanne B. Labarge

The Dean’s Welcome
Dr. Ishwar Puri

The Conferring of the Degree Doctor of Science honoris causa on Roya Mahboob
Citation: Dr. Patrick Deane

The Convocation Address
Dr. Roya Mahboob

The Conferring of Degrees In-Course
Musical Interlude

The Presentation of the Graduates
The Valedictory Address
Mitchell Kurnell

Awards of the 2017-2018 Session

The Alumni Address
McMaster Alumni Association

The President’s Address
Dr. Patrick Deane

Announcements

The National Anthem

Convocation ceremonies will be recorded, broadcasted live and archived at http://registrar.mcmaster.ca/grad
Follow @McMasterConvo on Twitter, tweet with #MacGrad2018, and try our Snapchat filter!

The President’s academic regalia is a gift of the McMaster University Alumni Association.

The Convocation Music Supervisor.............................. Arlene Wright (Piano)
Convocation Trumpeters............................................. Rob DiVito and Valerie Cowie
Piper................................................................. Jamie Connolly
Vocalist............................................................. Amy Dodington

Immediately following Convocation, graduates and their guests are invited for a reception in Hamilton Convention Centre, Wentworth Room C.
THE RITUALS OF CONVOCATION

The processional of the graduands in plain black gowns and of faculty and officers of the University in colourful and varied regalia; the blue-robed Bedel with his ornate silver Mace; the conferring of degrees by the Chancellor; these are among the rituals of Convocation that stand in a tradition that has a history of more than 700 years.

The University’s Mace is carried to and from the Convocation platform by the University Bedel and during the ceremony is splendidly displayed on the Mace Table, resting on a velvet cushion. The Mace symbolizes the authority of the University Senate to confer degrees, this authority being exercised by the Chancellor.

Bedels were functionaries and maces were weapons hundreds of years before universities emerged in the 12th and 13th centuries. So it is that McMaster’s Bedel carries the University Mace directly in front of the Chancellor, symbolically to protect her.

The Chancellor sits on a massive oak ceremonial chair that bears a carved representation of an early version of the University Seal. She requests that members of the graduating classes rise from their seats and then admits them to their respective degrees. The graduating classes are then invited to join the Chancellor on stage. Once a graduate’s name is called, they are hooded facing the audience, and then are congratulated and welcomed to the community of scholars by the Chancellor and President.

The academic hood is symbolic of admission to a university degree and carries colours specific to a particular degree. It is derived from clothing worn in medieval times, when a hood was similar to that of a modern parka and served the same purpose of protection in inclement weather. The hood that the Registrar or pro-Registrar deftly puts over a graduand’s head is a link to the dress of students of at least seven centuries ago.

To the left of the main podium stands McMaster’s Coat of Arms. The symbol of the stag and tree, constituting the crest of these Arms, was the personal emblem of Senator William McMaster, whose munificent benefaction made possible the founding of the University in 1887.

The University Mace was a gift in 1950 from the class of 1900

The President of the University attends Convocation but it is the Chancellor, the titular head of the University, who presides over this ancient ceremonial. Her seniority is indicated by her robe being more elegant than the President’s. The President relieves the Chancellor of making announcements, may present an honorary graduand for his or her degree and, as Vice-Chancellor, confers degrees when the Chancellor is unable to do so.

A Chancellor, Vice-Chancellor, Bedel and Registrar share with a seal, mace, colours, robes and coat of arms a history of hundreds of years of association with universities. Each of these traditional inheritances is a part of McMaster University and all of them come together on the platform of its Convocations.

McMASTER UNIVERSITY:

CHANCELLORS

1887 – 1890  Malcolm Mac Vicar
1892 – 1895  Theodore H. Rand
1895 – 1905  Oates C. S. Wallace
1905 – 1911  Alexander C. McKay
1911 – 1922  Abraham L. McRimmon
1922 – 1941  Howard P. Whidden
1941 – 1950  George P. Gilmour
1950 – 1955  E. Carey Fox
1955 – 1960  Roy L. Kellock
1960 – 1965  Charles P. Fell
1965 – 1971  D. Argue C. Martin
1971 – 1977  Lawrence T. Pennell
1977 – 1986  H. Allan B. Leal
1998 – 2007  Melvin M. Hawkkrigg
2007 – 2013  Lynton R. Wilson
2013 –  Suzanne B. Labarge

PRESIDENTS

1949 – 1961  George P. Gilmour
1961 – 1972  Henry G. Thode
1980 – 1990  Alvin A. Lee
1995 – 2010  Peter J. George
2010 – Patrick Deane
PRESIDENT’S MESSAGE

Convocation is an exciting time in the calendar of any university; a time to celebrate achievement, to reflect on the past, and to anticipate the future and the path that lies ahead. It also represents a time of liberation, the ending of one phase of life and a last, symbolic statement of the discipline to which students have been required to submit themselves throughout their studies.

While it is impossible at such events not to celebrate the infinite promise of individual lives, it is important to be aware of the communal significance of convocation. In the ancient English universities, convocation was the legislative body that oversaw operations of the institution, and to be admitted to a degree was to be admitted to membership. By extension, therefore, convocation was a reaffirmation of not an individual but a joint enterprise.

Students today have learned the importance of collaboration and partnership, and more than ever understand that the future health, prosperity and cultural vitality of our society depends upon our ability to cooperate, to act together, and to learn from one another. My fervent hope is that graduating students will see their convocation not as an end of growing together, but rather as an opportunity for deepening that process. As alumni they will have many opportunities to renew existing partnerships, and they will be well prepared to forge new ones in the greater community beyond our own.

Personal fulfillment through community: this is indeed one of the longstanding paradoxes of university life, but it is surely also a sound principle for us all to pursue in the world at large. In wishing today's graduating students good luck, I feel great confidence in our joint future and great anticipation of everything that, collectively, they will achieve.

Patrick Deane
President and Vice-Chancellor

ALUMNI ASSOCIATION GREETINGS

On behalf of your fellow McMaster alumni, I offer you sincere congratulations for having successfully earned your degree. In addition to growing through the challenges of obtaining your formal education, I hope you have taken full advantage of everything McMaster has to offer outside the walls of the classroom.

As an alumnus or alumna you are entering a new phase in your relationship with McMaster. Graduation is merely a milestone in your life-long association with our University. As alumni, you can play a continuing role as supporters of McMaster’s excellence by sharing your time, expertise, and enthusiasm with your alma mater.

As your Alumni Association, we are committed to providing you with many opportunities to maintain and grow your links with McMaster. McMaster’s alumni network, events, offerings, experiences, and programs will be great resources in your post-degree endeavours. I welcome you to the next step in a rewarding and dynamic relationship with our world-class university.

Stephanie McLarty, BASc’03
President, McMaster Alumni Association
SUZANNE B. LABARGE
Chancellor, McMaster University

A native of Ottawa, Ms. Labarge holds a Bachelor of Arts degree in economics from McMaster University and a Master of Business Administration from the Harvard Business School.

Ms. Labarge joined Royal Bank in 1971 and held a variety of positions within the bank prior to being appointed an executive officer in 1979. She left the bank in 1985 to join the federal government as assistant auditor-general where she was responsible for a report on Financial Management and Control in the Government of Canada.

She joined the Office of the Superintendent of Financial Institutions Canada in 1987 as deputy superintendent, policy responsible for developing regulatory policies for Canadian financial institutions. She was a member of the BIS Committee for Bank Supervision. In her last position as deputy superintendent, deposit-taking institutions, Ms. Labarge was responsible for all matters relating to deposit-taking institutions.

Ms. Labarge returned to the bank as executive vice-president, Corporate Treasury, in April 1995. She assumed the role of chief risk officer in October 1998 and was appointed vice-chairman and chief risk officer in February 1999. She retired from that position in December 2004.

Ms. Labarge a trustee for a Canadian family trust and director of associated companies. Ms. Labarge served as a member of the Board of Directors and Chair of the Audit Committee of Coca-Cola Enterprises, a member of the Board of Directors of XL Group and chair of its Nominations, Governance and External Affairs Committee. She also served as a member of the Supervisory Board and Risk Committee of Deutsche Bank, as a director and chair of the audit committee of Novelis Inc and as a member of the Board of the Bank of China, Beijing.

She served on the Board of Governors for McMaster University for twelve years. She was appointed Chancellor of McMaster University in Sept. 2013. She also serves on the board of the Ontario Brain Institute.

She was granted an honorary Doctor of Letters degree from McMaster University and is a recipient of the Queen’s jubilee medal.
DOCTOR OF PHILOSOPHY

COMPUTER SCIENCE

Asma Mushakbar Paracha
Thesis: Lyndon Factors and Periodicities in Strings

Ala Shaabana
Thesis: On Platforms and Algorithms For Human-Centric Sensing

Zhaofei Tian
Thesis: A Hybrid Method for Lattice Basis Reduction and Applications

Qiang Xu
Thesis: Fingerprints for Indoor Localization

ELECTRICAL AND COMPUTER ENGINEERING

Abdulelah Abdullah Alganas
Thesis: Joint Routing and Resource Management for Multicasting
Multiple Description Encoded Traffic in Wireless Mesh
Networks

Ephrem Chemali
Framework for Li-ion Batteries in Electrified Vehicles using
Deep Learning Techniques

Philip Chrapka
Thesis: Advances in EP and ERP signal processing

Dania Elzouki
Thesis: Lattice-based Robust Distributed Coding Scheme for Correlated
 Sources

Mohammad Jafarinasab
Thesis: Motion Control of Under-actuated Aerial Robotic Manipulators

Yu Miao
Thesis: High-Accuracy Torque Control and Estimation for Interior
Permanent Magnet Synchronous Machine Drives with Loss
Minimization

Shamsuddeen Nalakath
Thesis: Robust Position Sensorless Model Predictive Control for
Interior Permanent Magnet Synchronous Motor Drives

Zipan Nie
Thesis: Multiphase power electronic converters for electric Vehicle
machine drive systems

Mohsen Rafieesandgani
Thesis: Coordinated Energy Management in a Network of Microgrids

Amin Vali
Thesis: On-chip Tracing for Bit-Flip Detection during Post-silicon
Validation

Qingsong Wu
Thesis: Algorithms for Multiple Ground Target Tracking

Xiaoqing Zheng
Thesis: Investigation of Cadmium Zinc Telluride Detector for Medical
Imaging Applications

ENGINEERING PHYSICS

Zahra Khatami
Thesis: Luminescent Silicon Carbonitride Thin Films Grown using ECR
PECVD: Fabrication and
Characterization

Paul Kuyanov
Thesis: Nanowire Quantum Dot Photodetectors

Ahmad Moghrabi
Thesis: Investigation of Lattice Physics Phenomena with Uncertainty
Analysis and Sensitivity Study of Energy Group Discretization
for the Canadian Pressure Tube Supercritical Water-Cooled
Reactor

Dixon Javier Paez Capacho
Thesis: Enhanced Optical/Electrical Conversion in Indium-doped Silicon
Thin Films for Applications in PhotoVoltaic Cells and UV-A
Detectors
Frederic Salaun  
Thesis: Assessment and optimization of the Canadian SCWR reactivity control systems through reactor physics and thermal-hydraulics coupling

Hebatallah Mohamed Teamah  
Thesis: Multi-tank Hybrid Energy Storage Using Water and Phase Change Materials in a Direct System

MECHANICAL ENGINEERING

Mostafa Khalaf Sabra Atia  
Thesis: Clinching of AA7075 Aluminum Sheets

SOFTWARE ENGINEERING

Vincent Maccio  
Thesis: Energy-Aware Multiserver Queueing Systems with Setup Times: Structural Properties, Exact Analysis, and Asymptotic Performance

MASTER OF SCIENCE

COMPUTER SCIENCE

Shokoufeh Kazemlou

MASTER OF APPLIED SCIENCE

ELECTRICAL AND COMPUTER ENGINEERING

Yameng Chang  
Mohamed Mahmoud Ahmed  
Mohamed Hammouda  
Yu-Ting Wang

ENGINEERING PHYSICS

Kunyu Liang  
Karl Ernest Petursson

MECHANICAL ENGINEERING

Subash Dhakal  
Ardalan Emamian  
Shayan Liaghat  
Xiao Liang  
Suchitra Nayak

SOFTWARE ENGINEERING

Zhizhao Qian  
Weam Abdulmohsen Rashed

MASTER OF ENGINEERING

COMPUTER SCIENCE

Zhe Gong  
Jing Han  
Tonghui Jiang  
Zhi Qu  
Farshad Rahimi Asl  
Jin Sun  
Chen Zhu

ELECTRICAL & COMPUTER ENGINEERING

Ahmad Abdallah  
Zi Hao Bai  
Yuanchang Feng  
Yunwei Hao  
Haoyu Li  
Yue Li  
Mohammad Javad Monshi Zadeh  
Nency Harsh Patel  
Kai Qu  
Daniel Roy Leonard Shaughnessy

Si Hun Sung  
Roza Vahid Sabzevari  
Muhammad Umair  
Wu Rong Weng  
Hanyi Xi  
Shengxue Zhang

SOFTWARE ENGINEERING

Jacob Dylan Howard  
Koosha Saghari

UNIVERSITY NETWORK OF EXCELLENCE IN NUCLEAR ENGINEERING

Desderius Sifunieli Ngunangwa  
Mao Xue
BACHELOR OF ENGINEERING AND MANAGEMENT

Haris Abdullah................................................................. Mechanical
Dhruv Ajay Aggarwal....................................................... Mechatronics
Hamad Akram................................................................. Mechanical
* Clifford Aranha............................................................... Mechanical
Hammad Ashfaq............................................................... Mechanical
Faiz Ashraf................................................................. Electrical
* Ali Azad........................................................................ Electrical
* Joe Baz........................................................................ Mechanical
Trevor Michael Camazzola................................................ Mechanical
* Zehong Cao................................................................. Mechanical
* Cameron James Carruthers............................................ Mechanical
Alex Ka Chun Chan.......................................................... Mechanical
* Nicholas Desmond Chumney.......................................... Mechatronics
* Ryan Confield................................................................. Mechanical
Ethan D’Mello................................................................. Mechatronics
Nathan Joel den Hollander............................................... Mechanical
* Leanne Catherine Gruner Dias......................................... Engineering Physics
D. Michael DiDonato......................................................... Mechatronics
Jackson George Diebel..................................................... Mechanical
* Johnathan Joseph DiMatteo............................................. Mechatronics
* Michael Dimmick............................................................ Electrical
Ali Dincgor........................................................................ Mechanical
* Jiaxiu Dong................................................................. Electrical
Taylor Finlayson Dredge.................................................... Electrical
Isaac Snyder Frank.......................................................... Mechatronics
* Nathan Jiro Christopher Fujimoto..................................... Mechatronics
Parth Amritkumar Gandhi................................................ Mechatronics
Prakhar Garg................................................................. Mechatronics
Harsha Vandhan Guddati................................................... Mechatronics
* Samuel Anson Jantzi........................................................ Mechanical
Aaron Singh Garcia Jass.................................................... Mechatronics
Tyler Singh Garcia Jass...................................................... Mechatronics
Talha Javed................................................................. Mechanical
Reuben John................................................................. Mechanical
Vanessa Kang............................................................... Mechatronics
* Spencer Thomas Robert Kell........................................... Mechanical
* Dennis Kerling............................................................. Mechanical
* Niloufar Keshmiri........................................................... Electrical
Fauzia Khanum............................................................. Mechatronics
* Jeremy Michael Lempert.................................................. Mechanical
Jing Xiang Li................................................................. Mechanical
Jiaxin Lin................................................................. Mechanical
Jing Yuan Liu............................................................... Mechatronics
Austin Alexander Mackillop........................................... Electrical
(Minor in Economics)
Christopher Bruce McDonald......................................... Software
* Evan Phillip McEvoy....................................................... Mechanical
Christian Joseph Mielke................................................... Mechatronics
Andrew G. Mills............................................................ Electrical
Abdul Moiz Muhammad.................................................. Computer
Sami Nehme............................................................... Electrical
* Jacob Howard Novis.................................................... Mechanical
Munachiso Okoro........................................................... Mechanical
* Mehant Parkash.............................................................. Electrical
* Dhvey Patel................................................................. Mechanical
Harit Priyeshkumar Patel.................................................. Mechanical
Janak Dharmendra Patel................................................... Mechatronics
* Nisarg Dilipbhai Patel..................................................... Mechatronics
Thomas Pham-Kim Ngiem-Phu........................................ Mechanical
Sarth Ranpura............................................................... Mechanical
Jared Stephen Rayner....................................................... Mechanical
Muhammad Umar Rehman................................................ Engineering Physics
MacKay Graham Russell.................................................. Mechanical
Noel Saldanha............................................................... Mechanical
Shan Sangha................................................................. Electrical
* Jan Schnarr................................................................. Mechanical
Scott Gary Semotiu........................................................ Computer
Terry Hung Yuen Shen..................................................... Mechanical
Vebsusan Sriananthan..................................................... Computer
(Minor in Economics)
Peter-John Stas Stypa....................................................... Electrical
* Haemanth Mari Subburaman........................................... Electrical
Sakishan Subramaniam.................................................... Mechanical
Zhi Yuan Sun................................................................. Mechatronics
* Alec Antonio Taraborrelli................................................ Mechanical
* Devan Wagner............................................................. Engineering Physics
Zheng Nan Wang........................................................... Mechanical
Jack Wittek................................................................. Software
* Chenran Zhang........................................................... Electrical
Xian Zhu......................................................................... Mechanical

BACHELOR OF ENGINEERING AND SOCIETY

Colin Graham Beswick.................................................... Engineering Physics
Kiranpreet Birdee.......................................................... Engineering Physics
(Minor in Business)
Nathan Brown-Robinson.................................................. Mechatronics
Stephanie Laura Michaline Bysice................................. Engineering Physics
Rokshana Stephny Geread............................................... Electrical
Po-Hsun Huang............................................................ Electrical
(Minor in Business)
Jonathan William Kretz.................................................. Electrical
* Mitchell Dennis Kurnell.................................................. Engineering Physics
Natalie Joy Martin.......................................................... Mechanical
(Minor in Classics)
Elizabeth Harriet Ng....................................................... Mechanical
(Minor in Economics)
Michael Joseph Podlovics................................................ Electrical
Andrei Tichenkov.......................................................... Computer
Abdul Hannan Zubair.................................................... Mechatronics

* with distinction (achievement of a minimum Grade Point Average of 9.5/12)
BACHELOR OF ENGINEERING

Kareem Abdelmesih ................................................................. Software
Marina Pulvillen Abraham ......................................................... Mechanical
Michael Charles Abramenetz .................................................. Mechatronics
Anas Omar Abu Fardeh ............................................................. Electrical & Biomedical
Ammar Zuhair Abuhazaleh ......................................................... Electrical
Ishan Acharya ........................................................................... Mechanical
Antoine Adderley ........................................................................ Electrical
Fahad Ahmad ............................................................................ Mechatronics
Maa Azm Ahmad ......................................................................... Mechanical
Rohan Ahmed ........................................................................... Mechanical
Mohammad Areeb Alam ............................................................. Computer
Hassan Aleian ............................................................................ Electrical
Mohammed Yousef Alkaween ................................................... Mechanical
Firas Anabtawi ............................................................................ Electrical and Biomedical
Hamza Arfeen ................................................................................ Computer
Thivagar Athesivan ...................................................................... Mechatronics
Chathura Randul Attanayake ..................................................... Mechanical
Ahmad Awad ............................................................................ Mechanical
Aquib Mohammed Azhar .......................................................... Computer

(Minor in Economics)

Clayton John Bagnall ............................................................... Mechatronics
Marko Banic ................................................................................ Computer
Wei Yuan Bao ............................................................................... Computer
Matthew Barbuto ......................................................................... Electrical
Amar Mohy Bat ................................................................. Electrical and Biomedical
Ahmed M. A. Belal ..................................................................... Mechatronics
John Carlan Benologa ................................................................. Mechatronics

(Minor in Psychology)

Alison Victoria Bertrand ............................................................. Mechatronics
Priyanka Bhatnagar ...................................................................... Computer
Martin Daniel Bidzinski ............................................................. Mechanical
Victoria Bibbly ............................................................................ Software
Scott William Black ............................................................... Electrical and Biomedical
Pavandeep Brar .......................................................................... Mechanical
Michael Brodzikowski ............................................................... Mechanical
Jonathan Samuel Brown ............................................................ Software
Han Cao ................................................................................ Computer
Jared Andrew Carlyle ............................................................... Electrical and Biomedical
Kyle Joseph Carpenter ............................................................. Mechanical
Daniel Victor Catalano ............................................................. Mechanical
Daniel Cafaretti .......................................................................... Software
Clement Tak-Lun Chan ............................................................. Mechatronics
Yangfan Chen ............................................................................... Electrical
Yi Cheng Chen .............................................................................. Software
Chia-hao Cheng .......................................................................... Computer
Yi Cheng .................................................................................. Electrical

(Minor in Economics)

Joleta Cheung ........................................................................... Mechatronics
Ocean Cheung ............................................................................. Software
David Paul Cleave ....................................................................... Mechanical
Kayla Marie Cocco ................................................................. Electrical & Biomedical
Braden Maurice Corbold .......................................................... Mechanical
Graeme Kazumi Cox ............................................................... Engineering Physics

(Minor in Economics)

Yunze Cui .................................................................................. Mechanical
Andrew Sam Danha ....................................................................... Mechanical

(Minor in Economics)

Tyler Mark de Jonge ............................................................... Mechatronics
Boyun Deng ............................................................................. Software
Vinayak Janardan Deshpande ................................................... Mechanical
Taylor deVet ............................................................................ Electrical and Biomedical
Manbir Kaur Dhote ................................................................. Software
Luca Di Nunzio ......................................................................... Mechatronics
Stefan Di Nunzio ......................................................................... Mechatronics
Xiaotong Ding ............................................................................ Electrical
Zhaocong Ding ........................................................................... Computer
Peter Do ..................................................................................... Electrical
Casey David Doede ..................................................................... Electrical
Jingwen Dong ................................................................................ Electrical
Andrew Ekladows ............................................................... Electrical and Biomedical
Mohamad El-Chazzal ................................................................... Mechanical
Safa El-Rayyes ........................................................................... Mechanical
Daniella Eliathamby ............................................................... Electrical & Biomedical
Rachel Anne Emery .................................................................... Mechanical
Nicholas Jae Enstrom ............................................................... Computer
Valerie Evans ............................................................................. Electrical and Biomedical
Areeb Farooqui ........................................................................... Electrical
Utair Faruqui ............................................................................ Engineering Physics
Xiao Yu Feng ............................................................................. Electrical
William James Carson Fletcher ............................................... Engineering Physics
Stephen Jiacheng Fu ................................................................... Electrical
Lilia Ruth Fuller-Thomson ........................................................ Mechanical

(Minor in Religious Studies)

Kevin Tulsidas Galani ............................................................. Software
Ryan Ganeshan ......................................................................... Computer
Andrew Rowan George ........................................................... Mechanical
Romani Fathi Gergis ................................................................ Engineering Physics
Mustapha Shaddad ................................................................... Computer
Soroush Gholami ......................................................................... Electrical & Biomedical
Ashley Nicole Gilbank ............................................................. Engineering Physics
Surinder Gill ............................................................................. Software
Joshua William Gilmour ........................................................ Electrical
Megan Goodland ......................................................................... Engineering Physics
Alexander Gorban ....................................................................... Mechanical
Victoria Elizabeth Graff ........................................................... Software
Matthew Thomas Greaves ........................................................ Mechatronics
Glenne Janet Sandra Grossman ................................................... Electrical and Biomedical

(Minor in French)

Karim Guirguis ........................................................................... Software
Tian Qi Guo ................................................................................ Software
Yunkang Guo ........................................................................... Electrical
Ron Joseph Haber ....................................................................... Electrical
Mohammed Ahsan Habib ........................................................... Computer
Sam Hamel ................................................................................ Software
Richard Akeem Hamilton ........................................................... Electrical & Biomedical
Mohamed Gihad Hammouda ..................................................... Mechanical
Nabil Hamza ........................................................................... Mechatronics
Huiyu Han ................................................................................... Mechanical
Yifei Han .................................................................................. Software
Marshall Hamer ........................................................................... Electrical
Jordan Robert Hebbert .................................................................. Electrical

(Minor in Statistics)

★ with distinction (achievement of a minimum Grade Point Average of 9.5/12)
David Eric Hemms ................................................................. Software
Mathew Edward Hobers ......................................................... Software
★ Nikita Holyev ................................................................. Mechanical
Ian Hong .................................................................................. Mechanical
Mianping Hong ......................................................................... Mechanical
Kaiming Hou ........................................................................... Electrical
Xiangyu Hou ............................................................................ Electrical
Joshua Sir Roong Hu ................................................................. Software
★ Yujie Hu ................................................................................ Mechanical
Joseph Cole Huot ................................................................. Software
Efe Olorunfunmi Ijevu ............................................................... Electrical
Mohammad Jabran ....................................................................... Electrical
Saranath Jain ............................................................................... Electrical
Stephen Tyler Jenkins ................................................................. Computer
Kevin Axel Jensen ....................................................................... Mechanical
★ Jingting Jiang ........................................................................ Electrical
Jemar Kenick Jones ................................................................. Software
Joshua Ngumbang Anak Joseph ................................................. Mechanical
Jacob Matthew Josiak ................................................................. Mechanical
Runbin Ju .................................................................................... Computer
★ Brendan William Leon Kaas ...................................................... Engineering Physics
(Minor in Business)
★ Lina Kabbani ........................................................................ Electrical
Peter Kalnoki ............................................................................. Software
★ Stuart Glen Keech ................................................................. Mechatronics
Haris Khan ................................................................................ Software
Jason Elliott Kiefer ..................................................................... Electrical
★ Christopher David Kinio ........................................................... Computer
★ Gurkarmjit Kooner ................................................................. Mechatronics
★ Liam Rongyi Kopp ................................................................... Electrical & Biomedical
★ Verena Effat Kostantine ........................................................... Electrical
Matthew Christopher Kowalczykowski ..................................... Mechatronics
Jonathan David La ....................................................................... Engineering Physics
Marko Laban ............................................................................... Software
Shaad Mohamed Arshad Lakdawala .............................................. Software
Aaron Lake ................................................................................... Electrical
(Minor in Mathematics)
(Minor in Economics)
Ricco Kwok Hei Lam ..................................................................... Computer
★ Marium Lanewala .................................................................... Mechanical
Jonathan Wing Chun Lau .............................................................. Mechanical
★ Andy Le ................................................................................... Mechanical
Ian Jason Lee ............................................................................... Electrical & Biomedical
★ Natalie Anne Leger-Ryan ........................................................ Mechanical
Nicolas Lehman .......................................................................... Computer
★ Mitchell Daniel Lemieux ........................................................ Engineering Physics
Rending Li ................................................................................... Mechanical
★ Sida Li ..................................................................................... Electrical
Xinzhao Li .................................................................................. Electrical
Sydney Lieng ............................................................................. Software
Maxwell Samuel Lightstone ....................................................... Mechanical
Bowen Liu .................................................................................. Mechanical
Chang Liu ................................................................................... Mechanical
Jacky Liu .................................................................................... Electrical
Jia Yu Liu ................................................................................... Electrical
Jin Liu .......................................................................................... Software
Sheng Liu .................................................................................... Electrical
(Minor in Economics)
★ Yafan Liu ................................................................................ Electrical
Yuchen Liu ................................................................................... Software
Gabriel Lopez de Leon ................................................................. Software
Michael Joseph Lovell ................................................................ Mechanical
Qifan Lu ....................................................................................... Mechanical
Rosa Shan Dan Luo ................................................................. Electrical
Josiah David Ma ............................................................................ Electrical
★ Roderick David MacLachlan ..................................................... Engineering Physics
Abdur Rehman Malik ................................................................... Computer
Robert Malinowski ....................................................................... Computer
Daniel Robert Mandel .................................................................. Software
★ Kevin Mano ............................................................................... Mechanical
(Minor in Mathematics)
Asad Mansoor ............................................................................... Software
Alison Matson ............................................................................. Mechatronics
Cody William James McConnell ................................................... Electrical
★ Riley Patrick McGee .................................................................. Software
★ Sarah Carol McIntosh ................................................................ Mechatronics
William Mackenzie McLeod ........................................................ Mechanical
★ Usman Mehmoood .................................................................... Electrical and Biomedical
Alexander David Melnichuk ...................................................... Electrical
★ Chantel Miller .......................................................................... Mechanical
★ Curtis James Milo ...................................................................... Software
Huzafa Wasim Mirza ..................................................................... Computer
Nipun Ashokkhai Mistry ............................................................ Electrical
★ Lokman Bin Mohd Radid ............................................................. Mechanical
★ Anastasia Moltner .................................................................... Engineering Physics
Joseph Moolasseril ....................................................................... Mechatronics
Abdullah Muhammad ................................................................. Software
Anthony Fadi Nahed ................................................................... Electrical
Amir Nakhuda ............................................................................... Mechanical
Samraj Nahwa ............................................................................... Software
Michael Nashed ............................................................................ Mechanical
Rohit Aaron Nazareth ................................................................... Software
Izzat Nabil Nazri .......................................................................... Mechanical
★ Emily Elizabeth Newell ............................................................ Mechanical
(Minor in Economics)
★ Albert Nguyen ......................................................................... Electrical and Biomedical
Benjamin Thien Phuc Nguyen .................................................... Engineering Physics
Danielle Lynn Nicholson ............................................................ Mechanical
Brett Nickle .................................................................................. Mechatronics
Cameron Endrai Nowikow ............................................................ Electrical & Biomedical
Orest Nowosad ............................................................................ Computer
Nathan John Nywening ............................................................... Computer
Daniel Alanzo O’Connor ............................................................ Mechanical
(Minor in Business)
Genevieve Okon ........................................................................... Software
Benjamin Olise ............................................................................ Mechanical
Prasann Pandya ........................................................................... Electrical & Biomedical
Yushi Pang .................................................................................. Mechanical
Hong Sung Park ............................................................................... Mechatronics
James Pasierbiski ........................................................................ Electrical
Arpit Nitinbhai Patel ................................................................... Mechatronics
★ with distinction (achievement of a minimum Grade Point Average of 9.5/12)
<table>
<thead>
<tr>
<th>Name</th>
<th>Programme</th>
<th>Minor in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Het Patel</td>
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<td>Arham Raza</td>
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<td>Priyanth Sivanandarajah</td>
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<td>Joshua Peter Yu-an Tsai</td>
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<td>Jordan Matheson Young</td>
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With distinction (achievement of a minimum Grade Point Average of 9.5/12)
BACHELOR OF ENGINEERING (CONTINUED…)

Rahmat Yousufi ........................................................... Electrical
Jonathan Douglas Yu ........................................................... Software
Wenbin Yuan ........................................................... Software
Omar Zahid ........................................................... Electrical
Saim Zahid ........................................................... Software
Karmina Zaki ........................................................... Electrical
Bo Han Zhang ........................................................... Mechatronics
★ Boqin Zhang ........................................................... Electrical
(Minor in Finance)
★ Matthew Ziyi Zhang ........................................................... Mechatronics
(Minor in Business)
Xizhen Zhang ........................................................... Mechanical
Yanting Zhang ........................................................... Software
Yufei Zhao ........................................................... Electrical
Zheng Zhou ........................................................... Electrical
Zheli Zhu ........................................................... Electrical
★ Victoria Zyma ........................................................... Mechanical

BACHELOR OF APPLIED SCIENCE

★ Tanya Elizabeth Bouman ........................................................... Computer Science
Sherwin Chang ........................................................... Computer Science
★ Drew Costello ........................................................... Computer Science
Matthew D’Cruz ........................................................... Computer Science
Richard Vatdanak Damra ........................................................... Computer Science
Tamurutonye Fiberesima ........................................................... Computer Science
Syed Hussain Gardezi ........................................................... Computer Science
Jake Harwood ........................................................... Computer Science
Manaar Hyder ........................................................... Computer Science
★ Zichen Jiang ........................................................... Business Informatics
Nathan John Johrendt ........................................................... Computer Science
(Minor in Economics)
Ahmed Arif Khan ........................................................... Computer Science
★ Mahmoud Khattab ........................................................... Computer Science
★ Cherk Hang Lee ........................................................... Computer Science
David Xiangyu Li ........................................................... Computer Science
Chang Liu ........................................................... Computer Science
★ Jiamin Luo ........................................................... Computer Science
Geoffrey Allan Maes ........................................................... Business Informatics
Nevin Kapil Mahilal ........................................................... Computer Science
Hassaan Malik ........................................................... Computer Science
(Minor in Economics)
Saim Malik ........................................................... Computer Science
Randa Yasser Mohsen ........................................................... Computer Science
(Minor in Philosophy)
Nickolas Adrian Morrison ........................................................... Business Informatics
Timothy Wing Kin Ng ........................................................... Business Informatics
Noura Nimri ........................................................... Business Informatics
★ Yifan Ou ........................................................... Computer Science
Udip Patel ........................................................... Computer Science
Yash Hemantkumar Patel ........................................................... Computer Science
Liyanage Imalsha Shanika Perera ........................................................... Computer Science
Katrine Rachitsky ........................................................... Computer Science
Trevor David Rae ........................................................... Computer Science
Maya Ramamurthy ........................................................... Computer Science
Mohammed Saadi Salahuddin ........................................................... Computer Science
★ Diana Saweris ........................................................... Business Informatics
Saiyam Sethi ........................................................... Computer Science
Navleen Singh ........................................................... Computer Science
Aryan Sohrabi ........................................................... Computer Science
Justin Staples ........................................................... Computer Science
Xiao Chen Sun ........................................................... Computer Science
Curran Tam ........................................................... Computer Science
Graham Matthew Van Deventer ........................................................... Business Informatics
TJ Daniel Walker ........................................................... Computer Science
Yi Wang ........................................................... Computer Science
Paul John Warnick ........................................................... Computer Science
Sijia Yao ........................................................... Business Informatics
Guang Yu Zhang ........................................................... Computer Science
(Minor in Business)

Names of graduands listed in this program are those recommended to Senate as of June 6, 2018. We regret that late additions to the graduation lists could not be included in this program. Some names of graduands may not be included in this program at the request of these individuals.
UNDERGRADUATE AWARD RECIPIENTS
(2017-2018 SESSION)

MEDALS

THE GOVERNOR GENERAL’S ACADEMIC MEDAL
Vanessa Bierling
Michael Youssef

THE E. H. AMBROSE GOLD MEDAL
Ula Jibrini

THE BASU MEDAL
Carly Van Kessel

THE BINKLEY MEDAL
Cherk Lee

THE CSPE/SCPE UNDERGRADUATE STUDENT AWARD
Thomas Tripp

THE CANADIAN SOCIETY FOR MECHANICAL ENGINEERING MEDAL
Ishan Acharya
Yanjie Xi

THE DEAN’S MEDAL FOR EXCELLENCE IN THE HUMANITIES
Dina Hamed
Nikolina Kapor
Christina Ugge
Joyce Bauman
Emily Chambers

THE GERALD L. KEECH MEDAL
Cherk Lee

THE MAPS GOLD MEDAL
Michelle Brown

THE R. C. McIVOR MEDAL
Jacob Wells

THE ONTARIO PROFESSIONAL ENGINEERS FOUNDATION FOR EDUCATION GOLD MEDAL
Omar Ali

TROPHIES AND MERIT AWARDS

THE BURKE MEMORIAL RING
Sebat Mohamed

THE IROQUOIS TROPHY
Cameron Carruthers

THE SOCIETY OF CHEMICAL INDUSTRY MERIT AWARD
Ali Abu Helal
Sophia Emerson
Tyler Or

SCHOLARSHIPS AND PRIZES

THE ANTHROPOLOGY PRIZE
Michelle Brown

THE WILLIAM AND LIDA BARNES MEMORIAL PRIZE IN HISTORY
Shanshan Yun

THE REV. ALLISON M. BARRETT SCHOLARSHIP
Grace Steen

THE MARIAN BATES BOOK PRIZE
Geneva Gillis

THE ABE BLACK MEMORIAL PRIZES
Anthony Battaglia
Brynley Hanson-Wright
Juehea Lee

THE LEONE BETTY BLACKWELL MEMORIAL BOOK PRIZE
Morganna Turner

THE CFUW-HAMILTON MEMORIAL PRIZE IN POLITICAL SCIENCE
Cassandra Simmons

THE DAWSON PRIZE IN CHEMISTRY
Adam Marr

THE DR. RUDOLF DE BUDA SCHOLARSHIP
Sida Li

THE JOHN DEERE LIMITED SCHOLARSHIP
Vanessa Ho

THE DENTON PRIZE IN ECONOMICS
Jacob Wells

THE CHRISTINE DITTA MEMORIAL AWARD
Kassara Remillard

THE LAURA DODSON PRIZE
Alexia Olaizola

THE DR. HARRY LYMAN HOOKER SCHOLARSHIPS
Cody Nason

THE BURTON R. JAMES MEMORIAL PRIZE
Ahmad Choucair

THE W. NORMAN JEEVES SCHOLARSHIP
Pamandeep Jhajj

THE FRANK E. JONES PRIZE
Anise Truman

THE DR. JEAN JONES MEMORIAL SCHOLARSHIP
Pamandeep Jhajj

THE KARL KINANEN ALUMNI PRIZE IN GERONTOLOGY
Swatie Maharaj
Grace Martin

THE KINESIOLOGY PRIZES
Megan Bittner
Leah Nairn

THE RUTH LANDES PRIZE
Michelle Brown
THE FELIKS LITKOWSKI PRIZE IN POLITICAL SCIENCE
Nicholas Dorman

THE BERT MacKINNON MEMORIAL SCHOLARSHIP
Ryan Deshpande

THE AGNES AND JOHN MacNEILL MEMORIAL PRIZE
Katelyn Johnstone

THE CATHERINE MacNEILL PRIZE
Katrina Fackelmann

THE ESTHER McCANDLESS MEMORIAL PRIZE
Juehea Lee

THE JOHN R. McCARTHY SCHOLARSHIP
Christelle Ah Sen

THE JOHN R. McCARTHY SCHOLARSHIP
Samreen Kaur

THE JOHN R. McCARTHY SCHOLARSHIP
Laura McNabb

THE A.G. McKay Prize in Classical Studies
Faisal Bhabha

THE WALTER SCOTT McLay Scholarship
Katelyn Johnstone

THE McMaster University Futures Fund Graduand Scholarship
Kathleen Fraser
Dina Hamed
Timothy Knight
Zachary Moll

THE Audrey Evelyn Mepham Award
Isra Ahmad
Spencer Coombe
Cara Duncan
Tori Gillis
Karolina Grzelakowski
Kristen Houlahan
Emily Johnson
Swatie Maharaj
Simrah Puri

THE MIDDLETON/WALKER PRIZE IN SEDIMENTARY GEOLOGY
Victoria Propp

THE E.S. Moore Prize
Heidi Schneider

THE P.L. Newbigging Prize
Heran Negash

THE Ontario Association of Social Workers Prizes
Pamandeep Jhajj
Jodie Kerr-Alich

THE Harry L. Penny Prize
Samar Hossain

THE PIONEER Energy LP Gerontology Prize
Emily Johnson

THE PIONEER Energy LP Prize in Nursing
Babethe Djatsa Doungue Epsenouo L
Richard Huang

THE Political Science Honours Essay Prize
Darren Quan

THE Lloyd Reeds Prize
Danielle Hudson
Charlene Mifflin
Victoria Propp
Heidi Schneider

THE Religious Studies Prize
Nicole Voisin

THE Abraham Isaac Rosenberg Memorial Prize
Henry Krahn

THE Shell Canada Prizes in Engineering and Management
Omar Ali
Jacob Novis
Max Wallen

THE Richard Slobodin Prize
Emily Chambers

THE Sociology Prize
Melissa Eberhardt Markle

THE John H. Trueman Prize
Faisal Bhabha
Shanshan Yun

THE Harry Waisglass Book Prize
Benjamin Owens

THE Alvina Marie Werner Scholarship
Grace Martin

MBA Medals
D.M. (Mike) Hedden Gold Medal
Ellen Brandt

THE R.J. Spence Memorial Medal
Steven Masse

Litvak Marketing Award
Brett King

THE Litvak Medal in Marketing
Rebecca Hensman

THE BASU Medal
Nikolas Sokoloski
### School of Nursing

**Avis Favaro, Doctor of Laws**

As the medical specialist at CTV National News, Avis Favaro is Canada’s longest-serving television medical/health correspondent. She began working for Global Television Network as a general assignment and business reporter but soon became the network’s medical correspondent. During her decade in that role, she earned the Dan McArthur Network Award for distinction in investigative journalism from the Radio Television Digital News Association (RTDNA).

Favaro joined CTV National News in 1992 and since then has earned 13 Gemini Award nominations, capturing the honour in 1997. Her other accolades include receiving the 1993 Dan McArthur Award and the 1998 Canadian Association of Journalists’ Investigative Award. She earned the International Health and Medical Media Award for her story on ethics in medical research and the Bronze World Medal for “Cancer Doctors” at the New York Festivals. The RTDNA also honoured her with the David Rogers Award.

In 2005, Favaro received the Gold Medal from the New York Film and TV Festival for her documentary on experimental bone marrow treatment for Multiple Sclerosis. Three times, she has received the Registered Nurses Association of Ontario Award for Health Care Reporting. Favaro is an honorary member of the Federation of Medical Women and received the Bronze World Medal for Best News Correspondent at the 1999 New York Festivals.

### Faculty of Health Sciences

**Anne-Marie Zajdlik, Doctor of Science**

Anne-Marie Zajdlik graduated from McMaster University and worked at Hamilton General Hospital with the only physician in the city then specializing in HIV-positive patients. When Zajdlik established her own practice in Guelph, she opened Ontario’s 14th HIV/AIDS clinic and HIV treatment centre, the Masai Centre for Local, Regional and Global Health.

Zajdlik expanded her fight against HIV/AIDS by founding the Masai for Africa Project and has since raised millions of dollars for the OHAfrica Tsepoing Clinic in Lesotho. Through partnerships with the University of Guelph and South African women who make beaded bracelets, Zajdlik launched the Bracelet of Hope campaign. The bracelets are made in Africa, employing scores of women who would otherwise have no way of supporting their families. Zajdlik frequently travels to Africa to contribute directly to the care provided at the clinic.

A former member of the board of directors of the Ontario Hospital Association’s OHAfrica project, Zajdlik is a recipient of the YMCA-YWCA of Guelph’s Women of Distinction Lifetime Achievement Award and has been named the Nestor Yanga Physician of the Year and the Guelph Mercury’s Female Newsmaker of the Year. She has received the Queen Elizabeth II Diamond Jubilee Medal as well as an honorary degree from the University of Guelph. A member of the McMaster Alumni Gallery, she is also a member of the Order of Ontario.

### Faculty of Humanities and the Arts & Science Program

**John Mighton, Doctor of Science**

John Mighton is a McMaster University alumnus, lecturer at the University of Toronto and fellow of the Fields Institute for Mathematical Research. He founded JUMP (Junior Undiscovered Math Prodigies) Math and developed a novel instruction method to help children from lower-income families improve their math skills. Mighton remains the lead curriculum developer for JUMP Math student workbooks and teacher’s manuals. *The Myth of Ability: Nurturing Mathematical Talent in Every Child*, Mighton’s book on his pedagogical approach, is a best seller. He released a follow-up work titled *The End of Ignorance* in 2007.

In 2003, Mighton became an Ashoka Fellow. He was named Canadian Social Entrepreneur of the Year by Ernst & Young in 2014 and received the International Social Entrepreneur of the Year Award from the Schwab Foundation in 2015.

The author of many acclaimed stage plays, Mighton has earned the Chalmers Award, two Dora Mavor Moore Awards and two Governor General’s Literary Awards for Drama, for *Possible Worlds* and *A Short History of Night* and then for *Half Life*. He has also received the Elinore & Lou Siminovitch Prize in Theatre. Mighton wrote the screenplay for the film adaptation of *Possible Worlds* and appeared as Tom the teaching assistant in the Oscar-winning *Good Will Hunting*.

Mighton is a member of the McMaster Alumni Gallery, a recipient of the McMaster Distinguished Alumni Award and an officer of the Order of Canada.

### Faculty of Business (Morning Ceremony)

**Nicholas Brathwaite, Doctor of Laws**

Nicholas Brathwaite is a McMaster University graduate who began his career with Intel Corporation where he contributed to a number of patented technologies. Leaving Intel to co-found nChip, he led teams that developed products including PDAs, cell phones, digital cameras, game consoles and power supplies. When nCHIP was purchased by Flextronics in 1995, Brathwaite became chief technology officer of that company. At the end of 2007, he retired from Flextronics and became a founding partner of the private equity firm Riverwood Capital. A respected corporate leader, Brathwaite serves on boards of directors in the United States, Brazil, Argentina, China, Japan and India and was chairman and CEO of Aptina Imaging.

Brathwaite and his wife Janice founded the PETNA Foundation to address important causes in his native Grenada and beyond. The foundation’s programs have included support for students, rebuilding homes lost to natural disasters, providing access to computers and partnering with Grenada’s Ministries of Health and Education as well as New York University’s College of Dentistry to deliver a dental assessment and treatment program to all of Grenada’s public school students. The foundation is currently working with McMaster University and the Ministry of Education in Grenada to revitalize T.A. Marryshow Community College.

Brathwaite has received the University of the West Indies Vice Chancellor’s Award and an honorary Doctor of Science degree from the same institution.

### Faculty of Engineering
**Faculty of Social Sciences (Morning Ceremony)**

**Kenneth Hall, Doctor of Laws**

Kenneth Hall taught at the primary and secondary levels and served as a vice-principal and principal in Hamilton. As influential as his three-decade career in education has been, however, he is best known for his work as a volunteer. He served two terms as president of the McMaster Alumni Association (MAA), co-founded the Geography Alumni Branch and was a founder of the McMaster Alumni Gallery. In 1987, he received the MAA’s Distinguished Service Award.

Hall chaired the Hamilton-Wentworth Sustainable Community Day Steering Committee and the Niagara Escarpment World Biosphere Reserve Interpretive Centre Steering Committee. He has been publicity director for the Hamilton Naturalists’ Club and a member of both the Royal Botanical Gardens’ Conservation Committee and the Hamilton Harbour Fish and Wildlife Habitat Restoration Committee.

The founder of the Bay Area Restoration Council and of the Giant Rib Discovery Centre / Escarpment Education Network, Hall has been one of Hamilton’s leading environmentalists and environmental educators while making significant and varied contributions to the Hamilton Harbour Remedial Action Plan. Also a volunteer with United Way and a former president of the Dundas Rotary Club, Hall has received the Conservation Halton Citizen Award and been named the Hamilton Naturalists’ Club Environmentalist of the Year. In 2016, he received the Ontario Medal for Good Citizenship and fittingly, he is also a member of the McMaster Alumni Gallery.

**Faculty of Science (Morning Ceremony)**

**Michael Joyner, Doctor of Science**

Michael Joyner is a distinguished investigator at the Mayo Clinic in Rochester, Minnesota. His laboratory explores human responses to various forms of physical and mental stress and his research program has shaped our understanding of blood pressure regulation, blood glucose regulation, breathing in heart failure, blood flow during exercise, the physiology of elite athletes and the relationship of heart disease and cognitive impairment.

With appointments in the Mayo Clinic’s Department of Molecular Pharmacology and Experimental Therapeutics, Department of Physiology and Biomedical Engineering and College of Medicine, Joyner is also the Frank R. and Shari Caywood Professor in Anesthesiology and vice-chair of research for the Department of Anesthesiology and Perioperative Medicine.

Joyner has delivered the American College of Sports Medicine’s J.B. Wolfe Memorial Lecture, the American Physiological Society’s Edward F. Adolph Distinguished Lecture, the American Society of Anesthesiologists FAER Honorary Research Lecture and the Michael de Burgh Daly Prize Lecture of the Physiological Society (UK). He received the Bodil M. Schmidt-Nielsen Distinguished Mentor and Scientist Award and the Mayo Medical School Excellence in Teaching Award. He has also served as a trustee of the American College of Sports Medicine and on advisory boards for organizations from the National Institutes of Health to NASA. He has written for the _New York Times_, _Sports Illustrated_, _Outside_ magazine, the _New York Times_ Well blog and his own blog, _Human Limits_.

**Faculty of Social Sciences (Afternoon Ceremony)**

**Martyn Burke, Doctor of Laws**

After graduating from McMaster University, Martyn Burke worked as an independent journalist in the Vietnam War before returning to Canada and joining the CBC. An acclaimed documentary filmmaker, his work includes _Idi Amin – My People Love Me_, _The KGB Connections_, _Connections: A Further Investigation into Organized Crime_ and the award-winning _Witnesses_, a film Burke shot while embedded with mujahideen fighters in Afghanistan. He also directed _Under Fire: Journalists in Combat_.

Burke has authored seven works of fiction including _The Laughing War_, _Ivy Joe_, _The Commissar’s Report_, _The Truth About the Night and Music for Love or War_. He co-wrote the Val Kilmer movie _Top Secret!_ and scripted several television movies including _Sugartime_, _The Pentagon Wars_ and an adaptation of _Animal Farm_. Burke earned an ACTRA Award for the screenplay of _Power Play_, a film he also directed, and he wrote and directed _The Last Chase_. More recently, he directed _Avenging Angelo_, Anthony Quinn’s final performance. Burke was nominated for an Emmy Award for Outstanding Writing for a Mini-Series or Movie, a Directors Guild Award for Outstanding Directorial Achievement in Movies for Television and a Writers Guild Award for Best Screenplay, all for his work on _The Pirates of Silicon Valley_.

A member of the McMaster Alumni Gallery, Burke has received the International Press Academy Auteur Award and the 2001 McMaster Distinguished Alumni Award for the Arts.

**Faculty of Science (Afternoon Ceremony)**

**William Harris, Doctor of Science**

William Harris is one of the founding fathers of astronomy at McMaster University. He has also been a key figure in broader science education through involvement with the Arts & Science Program, Integrated Science (iSci), the Origins Institute and “The Big Questions” course. Harris joined the McMaster faculty in 1976, becoming a professor in 1984 and professor emeritus in 2014. His research in globular clusters played arguably the leading role in founding and establishing the significance of this aspect of astronomical investigation.

Harris served as chair of the board for the Canada-France-Hawaii Telescope, president of the Canadian Astronomical Society, chair of the NSERC Grant Selection Committee for Space and Astronomy and as a member of the NSERC/CASCA Long-Range Planning Panel on Canadian Astronomy. He was a member of the College of Reviewers for the Canada Research Chairs program for nearly a decade, served on the Hubble Fellowships Selection Committee for the Space Telescope Science Institute and is currently a member of the International Astronomical Union’s International Membership Committee. He has been the principal investigator on 10 Hubble Space Telescope programs, more than any other Canadian, and chaired Hubble Space Telescope time allocation panels three times.

A fellow of the Royal Society of Canada, Harris was named a Killam Research Fellow and received the Canadian Astronomical Society’s C.S. Beals Award for outstanding achievements and research.
Faculty of Engineering (Morning Ceremony)

Waguih Ishak, Doctor of Science

Waguih Ishak is a two-time McMaster graduate who began his career at Hewlett Packard Labs where he developed surface acoustic wave, magnetic bubble and magnetostatic wave devices and also invented a low-loss surface acoustic wave filter. During his time at HP, he contributed to more than 160 patents.

Ishak moved to Agilent Technologies in 1995. His work there, first as laboratory director for the Communications and Optics Research Laboratory and then as vice-president and director of the same facility, included developing the world’s first optical mouse. He then continued his innovative work at Avago Technologies as vice-president and chief technology officer before joining Corning Incorporated as vice-president and director of the Corning West Technology Center (CWTC).

The author of approximately 100 journal and conference papers as well as four chapters of the *Handbook of Electronic Instruments*, Ishak is a named inventor on seven U.S. patents and is a founding member of the Stanford Photonics Research Center advisory board and the chairman of the technical advisory board for the National Research Council of Canada’s National Institute of Nanotechnology. Previously, he was chairman of the board for the Optoelectronics Industry Development Association and a member of the National Academies Committee on “Harnessing Light.” He is a life fellow of the Institute of Electrical and Electronics Engineers (IEEE) and a member of the Handover International Advisory Board.

DISTINGUISHED UNIVERSITY PROFESSORS

Faculty of Health Sciences

Dr. Eric Brown

Eric Brown is a professor in the Department of Biochemistry and Biomedical Sciences. One of the founders of the groundbreaking McMaster High Throughput Screening Laboratory, he is also director of the Biomedical Discovery and Commercialization Program. His research on fundamental and applied approaches to the discovery of new antibiotics has led to more than 150 published papers and 17 patents.

Brown is a member of the scientific advisory board for the European Union’s Joint Programming Initiative on Antimicrobial Resistance and chair of the CIHR Institute for Infection and Immunity’s Committee on Antimicrobial Resistance. He is also a former president of the Canadian Society of Biochemistry, Molecular and Cell Biology.

A Tier 1 Canada Research Chair, Brown is an elected fellow of the American Academy of Microbiologists and has received the most prestigious prize of the Canadian Society of Microbiologists, the Murray Award for Career Achievement.

Faculty of Engineering (Afternoon Ceremony)

Roya Mahboob, Doctor of Science

Roya Mahboob grew up in Iran after fleeing Afghanistan as a refugee. After the fall of the Taliban in 2003, she returned to her homeland and completed a computer science degree at Herat University. Before graduating, she worked as a women’s activity officer for an organization that empowers young Afghans, and particularly women, in media and communications. She also co-founded the Afghan Young Development Program.

Mahboob then started Afghan Citadel Software Company which became a prominent IT consulting firm and made her Afghanistan’s first female technology CEO. Facing pressure from the Taliban, Mahboob moved to New York and established Citadel of New York. In 2013, she co-founded the Digital Citizens Fund, a not-for-profit organization that facilitates education and access to the internet for Afghan girls. She also founded the Women’s Annex to finance aspiring Afghan women filmmakers and EdyEdy to help new graduates in developing countries transition into the job market.

Mahboob received the Civic Innovator Award from the National Democracy Institute and the Tribeca Disruptive Innovation Award. She was named one of “100 Most Influential People in the World” by *TIME* Magazine in 2013.

Faculty of Health Sciences

Dr. Harriet MacMillan

Harriet MacMillan is a professor in the Department of Psychiatry and Behavioural Neurosciences and the Department of Pediatrics and holds the Chedoke Health Chair in Child Psychiatry. She is a pediatrician and psychiatrist internationally recognized for her research investigating approaches to reduce child maltreatment and intimate partner violence and the impairment associated with these major public health problems. She founded the Child Advocacy and Assessment Program at McMaster Children’s Hospital and was a founding member of the O’fford Centre for Child Studies.


MacMillan’s numerous honours include the Canadian Academy of Child Psychiatry’s Naomi Rae-Grant Award for excellence in community psychiatry and the Child Welfare League of Canada Research and Program Excellence Award. She is a Distinguished Fellow of the Canadian Psychiatric Association, and was appointed as a member of the Order of Canada in 2016.
Dr. Ayesha Khan
Assistant Professor
Department of Psychology, Neuroscience & Behaviour, and the Life Sciences Program

Dr. Ayesha Khan is an Assistant Professor in the Faculty of Science with a cross-appointment in the School of Interdisciplinary Science and the Department of Psychology, Neuroscience & Behaviour. During her doctoral work, she investigated the influence of dietary and social factors on the timing of sexual maturity in developing females. Her research findings are published in journals such as *Fertility and Development and Hormone and Metabolic Research*. Her current research interests explore ways through which the undergraduate student experience is enhanced via experiential education. As part of a multi-institutional Canadian initiative, she is also designing research questions around student mental health.

Dr. Khan holds a Fellowship at the MacPherson Institute for Leadership, Innovation & Excellence in Teaching. In 2017 she received a Community Engagement Award by the McMaster Students Union. Her passion for teaching is driven by the inquisitive students she meets on a regular basis. She hopes to assist students with the sharpening of their critical thinking skills so that they may develop the habit to evaluate strengths and weaknesses of scientific (and non-scientific) information and to think holistically long after her courses have ended. Her teaching philosophy is inspired by thinkers from many disciplines including the writer Antoine de Saint-Exupéry who said, "If you want to build a ship, don’t drum up people together to collect wood and don’t assign them tasks and work, but rather teach them to long for the endless immensity of the sea."

PRESIDENT’S AWARD FOR OUTSTANDING CONTRIBUTIONS TO TEACHING & LEARNING

Faculty of Science (Morning Ceremony)

**Dr. Ayesha Khan**
Assistant Professor
Department of Psychology, Neuroscience & Behaviour, and the Life Sciences Program

Faculty of Engineering (Morning Ceremony)

**Dr. Eu-Gene Ng**
Program Chair
Manufacturing Engineering Technology, W Booth School of Engineering Practice and Technology, Associate Professor
Department of Mechanical Engineering

Dr. Eu-Gene Ng is an Associate Professor in the Department of Mechanical Engineering and Walter Booth School of Engineering Practice and Technology at McMaster University. He is also the Program Chair for the Manufacturing Engineering Technology Undergraduate Program and the Director for the Masters of Engineering in Manufacturing Engineering. He received his First Class Honors and Ph.D. in Mechanical Engineering from University of Birmingham, UK. His primary discipline research field is to understand the mechanical and metallurgical behavior of materials under high strain rates, elevated temperature and large strain using finite element methods. His research field of application is in manufacturing and structural stress analysis. As the winner of the McMaster Student Union Faculty Teaching Award for the Faculty of Engineering in 2016 and 2018, he has a great desire and passion to teach and train students to become better engineers in terms of proposing solutions that will have either little or no impact to the fragile environment and strengthen Canadian economy.

Faculty of Engineering (Afternoon Ceremony)

**Dr. Lotfi Belkhir**
Mechanical Engineering Class of 1962 Chair in Eco-Entrepreneurship, Associate Professor, W Booth School of Engineering Practice and Technology

Dr. Lotfi Belkhir is a physicist, inventor, entrepreneur and a scholar. He currently holds the Endowed Chair in Eco-Entrepreneurship at the Walter G. Booth School of Engineering Practice & Technology at McMaster University. Dr. Belkhir’s current research and teaching have for core mission the advancement of a sustainable society through innovation, entrepreneurship, design and policy, as well as through the harmonious meshing of sound and rigorous theory with effective and practical applications. Recently, his school’s Master’s in Entrepreneurship program received the coveted Excellence in Entrepreneurship Award by the International Council of Small Business & Entrepreneurship (ICSB); the first and only in Canada.

Dr. Belkhir’s career illustrates his own philosophy of combining theory and practice to solve complex and multifaceted challenges; In 2001 he founded Kirtas Technologies, the maker of the world’s first and fastest automatic book scanner, which, under his leadership, ranked as of one of Inc. 500 fastest growing companies in America two years in a row, and received the 2003 prestigious Best of What’s New Award by Popular Science Magazine. Dr. Belkhir is a regularly featured speaker on the subjects of Innovation, Sustainability, and Entrepreneurship at many venues. He holds a Ph.D. in physics and a Master’s in Management of Technology. Originally from Algeria, Lotfi is fluent in English, Arabic and French.

Friday, June 15, 2018: 2:30 p.m., FirstOntario Concert Hall
For many years, Blake was involved in the governance of the McMaster Students Union (MSU), culminating with her position as the organization’s Vice President (Education) in 2016-17. Through this role, she advocated for improvements to student life in areas such as accessibility, affordability, accountability, and quality of education to the University and all levels of government. During this time, she also served on the steering committee of the Ontario Undergraduate Student Alliance, lobbying for changes to student financial aid and sexual assault policies at Queen’s Park. Throughout her time with the MSU, she also spearheaded a campaign encouraging the City of Hamilton to approve a Light Rail Transit project. After her time the MSU, Blake went on to work in the University’s Office of Communications and Public Affairs, assisting the department in interacting with government. After graduation, she is excited to begin a career in public affairs and advocacy.

Many of Sebat’s undergraduate experiences have morphed her into a well-rounded, community minded, and resilient individual. For the past three years, Sebat has been a head coach with the Hamilton Basketball Association and Welcome Week Representative for the Faculty of Science. She shares her passion for basketball by coaching 10 year old boys, and advises first-year students transitioning into University. In the past two years, many of Sebat’s involvements have been tied by her interests in student diversity. She co-founded an innovative student group on campus, McMaster People Project, that aims to cultivate diversity and excellence in student leadership. As Associate President of the Black Aspiring Physicians of McMaster, Sebat was part of a collection of students advocating and empowering black-identifying individuals to pursue medicine. Honouring McMaster’s commitment to creating a brighter world, Sebat hopes to continue cultivating human potential, supporting other’s vision, and become a health leader. She recently joined Empowerment Squared as an academic mentor where she empowers marginalized, refugee, and newcomer youth for academic success in preparation for a pathway to access postsecondary education.

For the last three years, Sutina has been a part of the Student Health Education Centre, a service offered through the McMaster Students’ Union. In addition to providing in-person peer support and health items, SHEC also produces health promotion campaigns and events to educate the student body. In her two consecutive terms as Coordinator, Sutina spearheaded the service’s restructuring efforts and integrated a more prominent advocacy component into its activities. As a result, SHEC has been actively involved in various initiatives related to student health on campus, including Welcome Week strategic priority planning and Residence Life programming. This year has also seen a great deal of success for SHEC’s Research and Advocacy Committee, which produced campaigns on hot-button topics such as harm reduction. This fall, Sutina will be pursuing her PhD in Political Science at the University of Minnesota.

Over the past four years, Ushma’s diverse student leadership has demonstrated her commitment to her local and worldwide communities. She is the founder and president of She’s the First McMaster, an organization supporting the education of girls in lower-income countries. Ushma has also raised awareness for numerous global development issues during her term as the Co-President of UNICEF McMaster. Over the past few years, Ushma has served on the McMaster Peer Conduct Board and the Clubs Executive Council (as the Chair of the Social Issues Division). Ushma’s dedication towards alleviating social issues is also apparent through her extensive involvement with organizations such as the Canadian Mental Health Association and Grand Challenges Canada. As Ushma moves forward to pursue a career in medicine, she aims to combine her profession in healthcare with her passion for humanitarianism to contribute to the field of global health.

Ushma would like to dedicate this award to her most significant role models – her parents.
Vanessa Raonic

Vanessa Raonic graduates with a degree in Materials Engineering & Management. Vanessa began her leadership journey at McMaster by volunteering with the Engineering Recruitment office. From there, she created the McMaster EngiQueers organization, where she remained President for four years. Over her undergraduate career, she competed in the MARS Apprentice case competition, the Engineering and Commerce Case Competition (ECCC), completed an eight-month exchange in Grenoble, France and was the Business Manager of the McMaster Engineering EcoCAR 3 team. For her final year, she brought EngiQueers to the national stage by founding EngiQueers Canada, a recognized not-for-profit corporation in Canada, which now governs 31 schools in nine provinces with EngiQueers clubs. She a member of the McMaster Engineering Musical cast and was the Lead Advisor of the Organizing Committee for the national Conference on Diversity in Engineering. Vanessa considers McMaster Engineering to be her home and family, and credits the community for her significant personal growth over her time at school. She dedicates this award to her mom, sister, and long-standing mentor, Lynn Stewart.

THE GOVERNOR GENERAL’S ACADEMIC MEDAL

The Governor General’s Academic Medal is one of the most prestigious awards a student in Canada can receive. Established in 1873, this honour recognizes exceptional academic achievement at the high-school, collegiate, undergraduate and graduate levels.

Each year, McMaster awards just two Governor General’s Silver Medals to the students at the university who have achieved the highest academic standing at the undergraduate level. Earning this accolade not only places this year’s recipients among the top students to graduate from McMaster; it places them among the top students in all of Canada.

Michael Youssef

Michael Youssef is graduating from the Bachelor of Health Sciences (BHSc) program. During his degree, Michael conducted important research projects with a strong focus on preventative medicine in tackling community issues like obesity and diabetes. With experiences on First Nations reserves, he was also passionate to explore Indigenous Health and utilize research to shed light on community members’ challenges. Michael completed his undergraduate thesis in spinal deformities alongside Dr. Devin Peterson, attempting to explore the disease Scoliosis and its effect on patient’s quality of life.

Apart from his studies, Michael enjoyed volunteering at St. Peter’s hospital and non-profit organizations in Hamilton (e.g. Good Shepherd) which helped him give back to the community and support those in need. His passion for scientific research and community service motivated Michael to pursue a Medical Degree (MD) at University of Toronto. Lastly, Michael would like to express deep gratitude to his family and friends for their unconditional support throughout.

Vanessa Bierling

Vanessa is graduating from the Mathematics & Statistics Co-op program. Beyond taking courses in various areas of mathematics and statistics, she also completed several co-op terms conducting research in computational statistics under the supervision of Dr. Paul McNicholas at McMaster University, with the support of two NSERC Undergraduate Student Research Awards. She also spent a co-op term at Statistics Canada, worked as a Teaching Assistant for first-year math courses, and was always eager to volunteer at various events, such as May@Mac and Fall Preview Days, throughout her undergraduate career.

She is excited to use her mathematics and statistics knowledge to gain industry experience after graduation, and also plans to attend graduate school to continue with her passion for research. She is extremely grateful to her professors, friends,
VALEDICTORIANS

Nursing
Lois Chui
Health Sciences
Sonia Perez
Humanities/Arts & Science
Sadaf Rahmanian
Business (Morning Ceremony)
Blerina Ago
Business (Afternoon Ceremony)
Kelly Scott White
Social Sciences (Morning Ceremony)
Rufaida Mohammed
Social Sciences (Afternoon Ceremony)
Makenzy Walcott
Science (Morning Ceremony)
Taylor Wilkins
Science (Afternoon Ceremony)
Preethi Anbalagan
Engineering (Morning Ceremony)
Sophia Emerson
Engineering (Afternoon Ceremony)
Mitchell Kurnell

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*Web order pick up available in Wentworth Room.

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