

Saint Mary's University

Winter Convocation



Saturday, 23 January 2016

O CANADA

O Canada! Our home and native land!
True patriot love in all thy sons 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 is a joyous yet solemn event, bound by traditions which have evolved over centuries. It is a continuum with a formal beginning and end. By being present here today, you have indicated your interest in being part of this academic tradition. Graduating students and their guests are therefore expected to remain in their seats until this formal ceremony has been completed in its entirety - the Chancellor of the University has officially closed Convocation and the stage party and graduates have recessed.

Order of Academic Procession

Marshal of Convocation

Graduates

Faculty

Board of Governors

Deans of Faculties

Recipients of Honorary Degrees

Vice President, Academic and Research

President and Vice-Chancellor

Chancellor

The audience is requested to stand when the Academic Procession arrives, to remain standing until the close of the Prayer of Invocation, and at the close of Convocation, to remain standing until all of the Academic Procession has recessed.

Please note that names of graduates listed in this program are subject to revision.

Order of Proceedings

Processional

Welcome

Ceremonial Drumming
All Nations Drummers

Invocation
Father Rob Arsenault

Presidential Remarks
Robert Summerby-Murray, B.A. (Hon.), M.A., Ph.D.

Conferring of Degrees, Diplomas and Certificates

Morning Convocation

Arts

Margaret Y. MacDonald, B.A. (Hon.), D.Phil., Dean of Arts, will present the candidates for undergraduate degrees in Arts.

J. Kevin Vessey, B.Sc. (Hon.), M.Sc., Ph.D., Associate Vice-President Research, Dean of Graduate Studies and Research, will present the candidates for graduate degrees in Arts.

Science

Steven Smith, B.A. (Hon.), M.A., Ph.D., Dean of Science, will present the candidates for undergraduate degrees in Science.

J. Kevin Vessey, B.Sc. (Hon.), M.Sc., Ph.D., Associate Vice-President Research, Dean of Graduate Studies and Research, will present the candidates for graduate degrees in Science.

Afternoon Convocation

Business

Patricia Bradshaw, B.Comm., Ph.D., Dean of the Sobey School of Business, will present the candidates for undergraduate degrees in Business.

J. Kevin Vessey, B.Sc. (Hon.), M.Sc., Ph.D., Associate Vice-President Research, Dean of Graduate Studies and Research, will present the candidates for graduate degrees in Business.

Valedictory Addresses

Morning Ceremony - Joy Krysta Samuel
Afternoon Ceremony - Amanda Mary Kolwich

Conferral of Honorary Degrees

Morning Ceremony

To be Doctor of Science (honoris causa)

Dr. J. Richard Bond, O.C.

Afternoon Ceremony

To be Doctor of Commerce (honoris causa)

Ms. Colleen Mary Johnston

Convocation Address

Induction to the President's Hall of Academic Excellence

Closing of Convocation

O Canada

Heather Fitzpatrick, B.P.R., Director of Development

Recessional

Chancellor of Saint Mary's University

Paul D. Sobey, B.Comm., D.Comm.

Chairman of Convocation

David Gauthier, B.A., M.A., Ph.D.

Vice President, Academic and Research

Marshal of Convocation

Don Naulls, B.A., M.A., Ph.D.

Associate Dean of Arts, Associate Professor of Political Science,
and Chairperson of the Academic Senate.

Marshal of Students

Keith Hotchkiss, B.A.

Senior Director of Student Services

Orator

Alexandre Avdulov, B.A., M.A., Ph.D., Associate Professor of Japanese and Asian Studies

The All Nations Drummers are integral to our ceremony today as they honour First Nations and Inuit graduates and the commitment of Saint Mary's University to a culture of diversity and respect. Drawn from many nations across Canada, the All Nations Drummers have gathered here on Mi'kmaw territory to help us celebrate the significance of Mi'kmaw culture in our region.

Board of Governors

Mr. John Fitzpatrick, Chairperson
Ms. Karen Oldfield, Vice-Chairperson
Dr. Paul Sobey, Chancellor
Dr. Robert Summerby-Murray, President and Vice-Chancellor

Mr. Alan R. Abraham, Jr.
Mr. Amali Armony
Mr. Paul Baxter
Ms. Barb Bell
Dr. Tony Charles
Mr. Wayne Crawley
Mr. Greg Dickie
Dr. Alexandra Dobrowolsky
Ms. Mary-Lou Donnelly
Mr. Philip Fraser
Mr. Lawrence Freeman
Dr. David Gauthier
Mr. Besim Halef
Ms. Karen Henderson
Mr. Rakesh Jain
Dr. Natalia Kochetova-Kozloski
Mr. Michael Lordon
Ms. Rachel MacDonald
Mr. Jamie MacNeil
The Most Reverend Anthony Mancini, Visitor
Mr. Myles McCormick
Mr. Joseph Metlege
Ms. Gabrielle Morrison
Mr. Shawn Nicolson
Mr. Scott Norton
Mr. Bryan Rice
Ms. Karen Ross
Dr. Goran Stanivukovic
Ms. Mary-Evelyn Ternan
Dr. Peter Twohig
Dr. Danika van Proosdij

University Senate

Dr. Don Naulls, Chair of Senate

Mr Ali Algermozi

Mr. Amali Armony

Dr. Roby Austin

Ms. Vishwa Bhayani

Dr. Susan Bjornson

Dr. Patricia Bradshaw

Dr. Linda Campbell

Dr. Nicole Conrad

Ms. Marie DeYoung

Dr. Paul Dixon

Dr. David Gauthier

Dr. Debra Gilin Oore

Dr. Jason Grek-Martin

Dr. Gugu Hlongwane

Mr. Keith Hotchkiss

Dr. Thomas Kozloski

Dr. Margaret MacDonald

Mr. Gordon Michael

Dr. Tanya Peckmann

Mr. Bryan Rice

Ms. Colette Robert

Dr. Steven Smith

Dr. Veronica Stinson

Dr. Robert Summerby-Murray

Dr. Cristian Suteanu

Dr. Tatjana Takseva

Dr. Madine VanderPlaat

Dr. Kevin Vessey

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Acknowledgement

The administration and faculty of Saint Mary's University gratefully acknowledge the generous assistance received during the past year from individuals and groups in the form of contributions of scholarships, bursaries, prizes, and numerous and varied services.

* * *

BACHELOR OF ARTS

Christianna Adams	Dartmouth, NS
Matthew Harper Allen	Halifax, NS
Hanan Salahuddin Al-Noman	Aden, Yemen
Venessa Arsenault	Shediac, NB
Jordan Albert Aucoin	Halifax, NS
Laura L. Bain (Hon. Philosophy: summa cum laude)	Halifax, NS
Lesley Nicole Brennan (Co-operative Education: cum laude)	Dartmouth, NS
Joe Scott Cameron	Halifax, NS
Dana Chennaë Campbell (Hon. History)	Port Hawkesbury, NS
Amy Alice Casto	Halifax, NS
Reza Shaban Dashti	Halifax, NS
Elodie Anna Davis	Denmark, ME, USA
Alexander P. Deacon	Halifax, NS
Danielle Kathleen Dill	Dartmouth, NS
Michael Dove	Halifax, NS
Meaghan Jeanne Dugas	Yarmouth, NS
Candice A. Dumont (magna cum laude)	Middle Sackville, NS
Ramy Fakhr	Cairo, Egypt
Jessie Kathleen Fuller	Clare, NS
Jillian Alexandra Gass	Glace Bay, NS
Corey Leroy Alexander Grandy (Hon. Philosophy: cum laude)	Lower Sackville, NS
Maddox Elliot Greene	Mount Pearl, NL
Brittney Skye Hansel	Montreal, QC
Brett Patrick Hartlen (Hon. Psychology: summa cum laude)	Bedford, NS
James Blair Henderson	Halifax, NS
Kaitlin Dawn Hoeg	Southampton, NS
Jonathan N. Jenka	Halifax, NS
Brandon Nickolas Kachur	Burlington, ON
Ashley C. Kehoe	Halifax, NS
Nicole A. Keirstead	Dartmouth, NS
Salina Marie Kemp	Halifax, NS
Christopher J. W. Knox	Quispamsis, NB
Hugh T. Latimer	Halifax, NS
Dominique Michelle Lirette	Moncton, NB
Ellen Margot MacDonald	Summerside, PE

Rebecca Lynn Marchand	Hammonds Plains, NS
Rhonda Dianne Mary Matthews	Corner Brook, NL
Matthew McInnes	Halifax, NS
Kathryn Elizabeth McKenzie (Hon. Psychology: cum laude)	Halifax, NS
Monique Marie Muise	Yarmouth, NS
Jessica Odessa Neil	Truro, NS
Nina Roma Gonzales Nunez	Winnipeg, MB
Elvan Ozdes	Ankara, Turkey
Anton C. Patrone	Halifax, NS
Meagan Leanna Pottie	L'Ardoise, NS
Ian Graham Seurattan	Dartmouth, NS
Dan Shanahan	Halifax, NS
Thomas Calvin Sheehan	New Glasgow, NS
Catherine Ann Sinclair	Lower Sackville, NS
Jennifer Ashley Smith	Barrington, NS
Jessica Lynn Smith	Halifax, NS
Cameron B. Spurrell	Mississauga, ON
Andrew J. Turner	Halifax, NS
Olivia Anne Wiegert	Lawrencetown, NS
Rachel Paige Wilson	Halifax, NS
Brooke Elizabeth Withrow	Wellington, NS
Ryan Patrick Zawacki	Thunder Bay, ON
Michael Tristan Zinck	Petite Riviere, NS
Zachariah James Zinck	Belnan, NS
BACHELOR OF ENVIRONMENTAL STUDIES	
Amanda Gabrielle Phillips	Nassau, Bahamas
Joy Krysta Samuel (summa cum laude)	Babonneau, Saint Lucia

MASTER OF ARTS (ATLANTIC CANADA STUDIES)

Amber Melinda May Hanrahan Eastern Passage, NS

MASTER OF ARTS (HISTORY)

Tammy Diane Morgan Sackville, NB

MASTER OF ARTS (INTERNATIONAL DEVELOPMENT STUDIES)

Nana Hawawu Alhassan Accra, Ghana
Caitlin Blacklaws White Rock, BC
Heather C. R. Curtis Hamilton, ON
Francesca Omolara Ekwuyasi Lagos, Nigeria
Cyndrella Musodza Harare, Zimbabwe
Yui Satoh Fukuoka, Japan
Saidu Timbo Halifax, NS

MASTER OF ARTS (PHILOSOPHY)

Alyssia Dawn Fogarty Trenton, NS
Aaron H. Richter Hillsborough, NB

MASTER OF ARTS (THEOLOGY & RELIGIOUS STUDIES)

Meaghean H. Richardson Halifax, NS

BACHELOR OF SCIENCE

Volkan Alcin Ankara, Turkey
Mohammad Al-Qatami Halifax, NS
Roseanne M. Amasheh (Hon. Biology: **cum laude**) Halifax, NS
Melissa Darlene Atkinson Belmont, NS

Sarah Dawn Beers Moncton, NB
Tristan Adrianna Brow Havre Boucher, NS
Jane Lucille Burchill Rothesay, NB

Christopher Na-van Chea Nassau, Bahamas

Kazuto Egashira Saitama, Japan

Kneal R. Gaitor Nassau, Bahamas

Shawn Louis Henry Miramichi, NB

Erin Margaret Keast Halifax, NS

Christian G. M. Lewis Dartmouth, NS
Geordan Frederick Lynk Halifax, NS

Isaac David Marr	Halifax, NS
FadyA. I. Mekhail	Halifax, NS
Danika Elizabeth Janessa Micklewhyte	Nassau, Bahamas
Nazafarin Moghadami	Halifax, NS
Anissa Meghan Owen	Grand Cayman, Cayman Islands
Ashwin Ajay Phatak	Pune, India
Sasha Rhoslyn Walsh Power (Hon. Biology: summa cum laude)	Upper Tantallon, NS
Gabrielle S. Rolle	Nassau, Bahamas
Stephen Andrew Paul Swinamer	Gold River, NS
Darren D. G. Williams	Antigua and Barbuda
Marwa Yasmin (Hon. Chemistry)	Dhaka, Bangladesh

BACHELOR OF SCIENCE & DIPLOMA IN ENGINEERING

Pawel G. Gorski	Halifax, NS
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DIPLOMA IN ENGINEERING

Ferris Munir Abdulghani	Halifax, NS
Hiba Al-Natsheh	Dartmouth, NS
Ahmed Khalid AlSaeed	Dammam, Saudi Arabia

DIPLOMA IN FORENSIC SCIENCES

Melissa Darlene Atkinson	Belmont, NS
Sasha Rhoslyn Walsh Power	Upper Tantallon, NS

MASTER OF SCIENCE (APPLIED PSYCHOLOGY)

Kate Caroline Bowers	Pasadena, NL
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MASTER OF SCIENCE (APPLIED SCIENCE)

Dan Cezar Dutuc	Suceava, Romania
Luke L. Gebert	Melbourne, Australia
Reem Ahmed Karaballi	Aleppo, Syria
Andrew Charles Valencik	Halifax, NS

BACHELOR OF COMMERCE

Ahmed Ramzi S. Al-Ariqi	Sana'a, Yemen
Fallaj Mohammed Alfallaj	Halifax, NS
Mohammed M. Almostafa	Dhahran, Saudi Arabia
Ahmed Abdulaziz Alosaimi	Riyadh, Saudi Arabia
Mohammed Tawfeq Al-Shawaf	Dammam, Saudi Arabia
Mujahed Ahmed Althawadi	Dhahran, Saudi Arabia
Carmelle Arakaza	Bujumbura, Burundi
Steven M. Arseneau	Sackville, NS
Ryan Walter Beck (magna cum laude)	Halifax, NS
Genevieve Laura Belgrave (cum laude)	Halifax, NS
Sarah Elizabeth Belliveau	Halifax, NS
Peter J. Bentley	Dartmouth, NS
Evan Kyle Biggs (Co-operative Education)	Avondale, NS
Katie Marie Bonnar	Georges River, NS
Jacinta Marie Byrne	Hamilton, Bermuda
Kenneth Bernard Cahill	Halifax, NS
Shaowen Cai	Qingdao, China
Weiming Chao	Anyang, China
Anfii Chen	Harbin, China
Aoan Chen	Beijing, China
Sipeng Chen	Halifax, NS
Zipei Chen	Halifax, NS
Caitlyn Paula Christie	Pembroke, Bermuda
Michelle M. Creelman	Hammonds Plains, NS
Tonghui Cui (magna cum laude)	Zhengzhou, China
David M. Culligan	Timberlea, NS
Linyiyun Dai (summa cum laude)	Deyang, China
Zac Flinn Davies	Sydney, Australia
Bing Deng	Zunyi, China
Marc Eric d'Entremont	Pubnico, NS
Jiayi Ding	Guangzhou, China
LinLin Dong	Liaoning, China
Yucheng Feng	Foshan, China
Jonathon Bennett Fogolin	Thunder Bay, ON
Yanmin Gao	Hubei, China
Mike T. Gawdunyk	Dartmouth, NS
Peter Alexander Gillis	Moncton, NB
Xiaojie Guo	Wuhan, China

Saad Mohammed Hadher	Dhahran, Saudi Arabia
Hayman Sardar Hasan	Halifax, NS
Krista Alexandra Hayes	Dartmouth, NS
Yan He	Halifax, NS
Chuwei Hong	Nanchang, China
Jingyi Hou (Co-operative Education: summa cum laude)	Taiyuan, China
Siyue Hu	Jiaxing, China
Bingxiang Huang	Halifax, NS
Qian Huang	Xiamen, China
Shawn David Hunt	Kemptville, ON
Anne Marie Elaine Isaksen	Kennebunkport, ME, USA
Jeanelle Christabel James (summa cum laude)	Marisule, Saint Lucia
Lu Jin	Halifax, NS
Zachary Robert Johnson	Cole Harbour, NS
William Braden Johnston	Charlottetown, PE
Tatiana Vladimirovna Karpovich	Minsk, Belarus
Bradley Eric Knight	Halifax, NS
Amanda Mary Kolwich (cum laude)	Calgary, AB
Sohaib M. Korban (Co-operative Education)	Dhaka, Bangladesh
Ryan J. Kucey (Co-operative Education)	Auburn, NS
Sarah Elizabeth Langley	Halifax, NS
Andrew James Laughlin	Halifax, NS
Hyunjung Lee	Seoul, South Korea
Kyudo Lee	Hammonds Plains, NS
Ryun Hyun Lee	Seoul, South Korea
Luyi Li	Shanghai, China
Yuan Li	Anyang, China
Zhao Li	Chifeng, China
Dongfang Liang (summa cum laude)	Harbin, China
Ziyu Lin	Halifax, NS
Jiadong Liu	Guangzhou, China
Sen Liu	Nanjing, China
Xu Liu	Tangshan, China
Yang Liu	Guangzhou, China
Yufeng Liu	Zhengzhou, China
Melanie Kay Lockyer	Dartmouth, NS
Mengying Luo	Guangzhou, China
Cuicui Ma	Handan, China
Jennifer Lynn MacAllister	Fredericton, NB
Ross Edward John MacDonald	Ottawa, ON

Tuerxun Maerdan	Urumqi, China
Timothy Joseph Mannette (Co-operative Education)	Porters Lake, NS
Andrew Michael McAllister	Middle Sackville, NS
Terrienne M. McFadden	Shubenacadie, NS
Josh Daniel Michailiuk	Halifax, NS
Julia Marie Mulatz	Calgary, AB
Shengyi Nie	Halifax, NS
Xiaoshan Peng	Shenzhen, China
Jamie L. Perry	Shelburne, NS
Heather Patricia Pertus (cum laude)	Halifax, NS
Ashen Delvin Phillip	Bassetterre, Saint Kitts & Nevis
Homan M. Qaderi	Halifax, NS
Asad Bin Haque Rafsan	Feni, Bangladesh
Alex D. Rafuse	Chester, NS
Patrick S. Robichaud	Cole Harbour, NS
Dai Ru (cum laude)	Shijiazhuang, China
Brady C. Shanks	Halifax, NS
Mohammed Shuaib (cum laude)	Kuwait City, Kuwait
Waroon Sivapornrat	Bangkok, Thailand
Olivia Margaret Alice Siwanowicz (magna cum laude)	Manotick, ON
Christopher John Sweeney	Halifax, NS
Mengran Tao	Jinan, China
Bradley J. Taylor	Tantallon, NS
Erick Igor Velasco Bailleres	Coatzacoalcos, Mexico
Qiang Wang	Yangzhou, China
Tao Wang	Yizheng, China
Yimeng Wang	Shenyang, China
Siting Wu	Ganzhou, China
Xijie Wu	Shantou, China
Anqi Xiao	Qiqihaer, China
Jie Xiao (cum laude)	Guangzhou, China
Yaling Xiao	Guangzhou, China
Chen Xie	Neijiang, China
Jiawei Xu	Meishan, China
Xusheng Yan (cum laude)	Halifax, NS
JingLin Yuan	Xian, China

Zhe Yuan

Chenzhou, China

Fang Zhang

Halifax, NS

Guangdou Zhang

Langfang, China

Shuocheng Zhang

Shenyang, China

Xirui Zhang

Xian, China

Yadi Zhang

Baotou, China

Linli Zheng

Nanjing, China

Tuo Zheng

Hebei, China

Xiaoxiao Zheng

Zhengzhou, China

Jessica Danielle Zinck

Hantsport, NS

CERTIFICATE OF HUMAN RESOURCE MANAGEMENT

Ahmed Ramzi S. Al-Ariqi

Sana'a, Yemen

Katie Marie Bonnar

Georges River, NS

Crystal Jordana Chelli

Halifax, NS

Michelle M. Creelman

Hammonds Plains, NS

Linyiyun Dai

Deyang, China

Anne Marie Elaine Isaksen

Kennebunkport, ME,
USA

Zachary Robert Johnson

Cole Harbour, NS

Jue'Rissa Samantha Knowles

Nassau, Bahamas

Sohaib M. Korban

Dhaka, Bangladesh

Ziyu Lin

Halifax, NS

Yufeng Liu

Zhengzhou, China

Laurence Robert MacRae Lynch

Miramichi, NB

Jennifer Lynn MacAllister

Fredericton, NB

Ashen Delvin Phillip

Basseterre, Saint Kitts
& Nevis

Katie Anna Ryan

Moncton, NB

Christopher John Sweeney

Halifax, NS

Erick Igor Velasco Bailleres

Coatzacoalcos, Mexico

Jacqueline Marie Vogt

Halifax, NS

Anqi Xiao

Qiqihaer, China

MASTER OF BUSINESS ADMINISTRATION

Dumond Joseph Austin	Hamilton, ON
Sheena Janine Avery	Gander, NL
Anthony Olusegun Birch	Lagos, Nigeria
Jordan Taylor Brown	Whitby, ON
Nicholous Mark Deal	Halifax, NS
Amanda Mae Dominix	Halifax, NS
Jessica Lynn Lisa Ford	New Minas, NS
Lisa Joanne Gibbs	Calgary, AB
Maria Korynn Grady	Mulgrave, NS
Colin Boyd Lucas Harding	Halifax, NS
Jennifer N. Holland	Peterborough, ON
Christopher P. L. Keliher	Dartmouth, NS
Pierre-Luc Laliberte	Otterburn Park, QC
Kara Rose MacKinnon	Florence, NS
Sabet Makhoul	Dartmouth, NS
Vicki A. Muscat	Bathurst, NB
Glen I. Nicholson	North Wiltshire, PE
Julia Kristen Jaynes Pelton	Calgary, AB
H. Alexander Hawkins Russell	Halifax, NS
Ellen Catherine Shaffner	Wolfville, NS
Melissa Candace Smith	Nassau, Bahamas
Laura Lynn Stewart	Halifax, NS
MASTER OF FINANCE	
Mohammed Sadiq Almutair	Alhasa, Saudi Arabia
Abdulaziz Salman Alotibi	Riyadh, Saudi Arabia
Saleh Ahmed Alsharyf	Halifax, NS
Zhen Cao	Halifax, NS
Shuxin Chen	Wuzhou, China
Chen Deng	Sanming, China
Ge Ge	Kunming, China
Ighiwiyisi Mildred Imadiyi	Halifax, NS

Sai Ma	Jinan, China
Vanessa Voke Ojirevwe	Halifax, NS
Motunrayo Aderonke Osituyo	Halifax, NS
Xinhe Wang	Harbin, China
Bei Xu	Hubei, China
ShuJing Zhang	Chengdu, China
Yongjia Zhang	Rizhao, China
Xuerong Zhou	Hefei, China

MASTER OF TECHNOLOGY ENTREPRENEURSHIP AND INNOVATION

Cedrie Yvon Blais	Belle Cote, NS
Sulayman Cham	Banjul, Gambia
Timothy Linwood Cranston	Halifax, NS
Ian Ragnar Kamp	Little Harbour, NS
Guillermo Lechuga Mufioz	Madrid, Spain
Todd David Mercer	Sydney, NS
Jacob Isaac Romkey Mosher	Bridgewater, NS
Gaurav Rao	Gurgaon, India
Shelley Lynn Simpson	Dartmouth, NS
Zivai T. G. Taruvinga	Harare, Zimbabwe
Mingqi Yang	Shenzhen, China

HONORARY DEGREE RECIPIENTS

J. RICHARD (DICK) BOND OC, O.Ont, FRS, FRSC

One of the most influential theoretical astrophysicists in Canada's history, Dr. J. Richard (Dick) Bond has played a leading role in bringing Canadian cosmology to its current, vibrant state, and in making the Canadian Institute for Theoretical Astrophysics a sought-after destination for scientists from all over the world. His advocacy was critical in establishing the Institute for Computational Astrophysics at Saint Mary's University in the late 1990s.

Richard Bond was raised in the Toronto area and completed his Bachelor of Science at the University of Toronto. After earning a Master of Science and a Ph.D. in theoretical physics from the California Institute of Technology, he worked as a lecturer at University of California, Berkeley before joining the faculty at Stanford University.

In 1985, Dr. Bond returned to his undergraduate alma mater as a founding faculty member in the Canadian Institute for Theoretical Astrophysics (CITA) and a Fellow of the Canadian Institute for Advanced Research (CIFAR)'s Cosmology and Gravity Program. He served two, five-year terms as director of CITA, from 1996-2006, and has directed CIFAR's Cosmology and Gravity Program since 2002.

Dr. Bond's theoretical research ranges from the ultra early to the ultra late universe, with influential works on dark matter and energy, the "cosmic web" paradigm for the dynamics of structure formation from random density fields, and the distribution and state of gas in the Universe. He is best known for developing the theory and analysis of cosmic microwave background radiation fluctuations into a high precision tool for exploring the cosmos.

For his many contributions to astrophysics and science research, Dr. Bond has received almost all major Canadian awards, including the five top prizes for career achievement: the 1995 Beals Prize of the Canadian Astronomical Society, the 2006 Herzberg Gold Medal for Science and Engineering, the 2007 Killam Prize in the Natural Sciences, the 2009 Tory Medal of the Canadian Royal Society and the 2010 Canadian Association of Physicists Medal for Lifetime Achievement. In further recognition of his efforts, he became an Officer in the Order of Canada in 2005, was inducted into the Order of Ontario in 2008, and received The Queen Elizabeth II Diamond Jubilee Medal in 2012.

Also renowned internationally, Dr. Bond received the 2002 Dannie Heineman Prize of the American Astronomical Society and was the 2008 Gruber Laureate in Cosmology. He is a Fellow of the Royal Society of London, and of Canada, and a Foreign Member of the US National Academy of Sciences.

COLLEEN MARY JOHNSTON

A recognized visionary in the world of finance and a strong community advocate, Colleen Johnston is Group Head Direct Channels, Technology, Marketing and Real Estate at TD Bank Group.

After graduating from York University in Toronto with a Bachelor of Business Administration, Ms. Johnston began her career in 1982 with Price Waterhouse. She spent 15 years with Scotiabank in various senior positions before joining TD in March 2004 as Executive Vice President, Finance Operations. Prior to her current role with TD, she was Group Head Finance, Sourcing and Corporate Communications, and Chief Financial Officer, TD Bank Group.

Ms. Johnston received her chartered accountant designation in 1984 and in 2006 was elected a Fellow Chartered Accountant (FCA). The highest designation conferred by the Institute of Chartered Accountants of Ontario, this recognized her outstanding career achievements and dedication to community activities.

Ms. Johnston has received numerous top industry honours as a senior finance executive. She was recognized by Women's Executive Network as one of Canada's Most Powerful Women three years in a row and inducted into Canada's Most Powerful Women: Top 100 Hall of Fame in 2007. She was also recognized as "Best Chief Financial Officer" in October 2009 by Canadian Business magazine, and in 2011, for the third year in a row, was named one of the 25 Most Powerful Women in Banking by American Banker. The following year brought recognition as Canada's CFO of the Year, an award that is presented annually by Financial Executives International Canada, PwC and Robert Half International. In 2013, Ms. Johnston was awarded the Catalyst Canada Honours in the Business Leader Category.

A board member of the Heart and Stroke Foundation of Canada, Ms. Johnston sits on the advisory board of the Heart and Stroke Foundation of Ontario. She also served as past Chair and President of the Board of Directors for the Heart and Stroke Foundation of Ontario, Chair of Bridgepoint Health, and the ShareLife Corporate Campaign. She is a member of the Dean's Advisory Council at the Schulich School of Business, a member of the Canadian Board Diversity Council, and a member of the board of St. Michael's Hospital in Toronto. In 2015, she joined the board of the Shaw Festival. At TD, she is actively involved in promoting diversity in the workplace, including the bank's Women in Leadership Committee.

Born in Vancouver, Colleen Johnston currently resides in Toronto with her husband and two daughters.

VALEDICTORIANS

AMANDA MARY KOLWICH

Amanda Mary Kolwich grew up in Calgary, Alberta, and is the eldest of the IColwich siblings. Today, she is graduating with a Bachelor of Commerce in Marketing and Management, as well as a minor in Psychology. Upon graduation, Amanda hopes to use her undergraduate degree in a career focused on helping others in the non-profit sector.

Amanda spent her time at Saint Mary's gaining an enormous amount of experience and personal growth over and above her academic career. Her involvement includes working as a LEAP Peer Mentor, Student Ambassador, Volunteer Coordinator, SMUSA Vice President, Shinerama Chair and SMU Relay for Life Coordinator. She attributes her success and positive experience to the wonderful family, friends, staff and faculty who supported and encouraged her along the way!

JOY KRYSTA SAMUEL

Joy Samuel is from the gorgeous Caribbean island of Saint Lucia. She is the youngest of three children and arrived at Saint Mary's in the Fall of 2012 to pursue a Bachelor of Environmental Studies. Throughout her life her family has always ingrained in her a strong work ethic and a love of culture and upon arriving at Saint Mary's she has exemplified these characteristics in her many jobs as Resident Assistant, Residence Services Officer and Counselling Centre Assistant. All of these jobs have helped her build up a close tie with the university community which she has grown to love, and a bond with Halifax which is her home away from home. Joy has also been an active member of the Environmental Society on campus, rising to the role of Presidency in her final year and has volunteered with numerous organizations on and off campus.

To end off her university life, Joy was part of an unforgettable field course with the Geography department in which she travelled to The Gambia in West Africa. The group studied eco-tourism while there and Joy gained a strong sense of the importance of travel and building even stronger bonds with others on an international scale. Joy's time at Saint Mary's flew by so fast but was paramount to getting her to the point where she is at today and she owes it all to her parents who worked so hard to ensure she came to this school and her entire family who encouraged her every step of the way. She looks forward to seeing where God will take her from this point on and is confident that with Him all things are possible so is ready to tackle all that lies ahead as she sets out into the world of work.

HISTORY OF SAINT MARY'S UNIVERSITY

Saint Mary's University was founded in 1802 to provide opportunities for higher learning to young Catholic men. Its founder, the Reverend Edmund Burke, had meagre resources to work with, but on later being named Bishop with responsibility for Nova Scotia, he continued to support the college as essential to the development of the Catholic community. In 1841, the Nova Scotia House of Assembly gave formal recognition of its academic role. Its legal status was confirmed in perpetuity by enactment in 1852.

In 1913, the Christian Brothers of Ireland, a teaching order, were invited by the Archdiocese of Halifax to direct the college and its academic program. During the ensuing years, Saint Mary's University became more widely known for the quality of its undergraduate teaching and continued to develop new instructional programs, most notably within its Faculty of Commerce. In 1940, the Upper Canada Province of The Society of Jesus was invited to succeed the Christian Brothers as administrators and teachers in the University, and for thirty years until the enactment in 1970 of the new act of incorporation, the college remained under Jesuit supervision. The long-standing emphasis on liberal arts and commerce was extended to include new programs in science, engineering, and teacher education. Extension courses became an important part of the University's commitment to an active educational role in the community. The Sobey Building, opened in the fall of 1998, houses the Sobey School of Business and provides meeting rooms as well as state-of-the-art classrooms for all three faculties of the University. In the last decade, the University has totally rebuilt the Loyola Residence and the Science Building such that they are essentially new buildings and major renovations were completed on the McNally Building. New additions to campus include the Atrium Building featuring the Global Learning Commons and the Homburg Centre for Health and Wellness.

In the year 2002-2003, the University celebrated its 200th Anniversary in a year-long series of celebratory events. The celebration provided a marvelous retrospective of our past and set the stage for the University's significant role in the 21st Century. This has been guided by the Academic Plan, most recently updated for 2012-2017.

In December 2005, a new focus on the image of Saint Mary's University was unveiled. "SAINT MARY'S UNIVERSITY. ONE UNIVERSITY. ONE WORLD. YOURS." This powerful statement captures the fundamental nature of today's Saint Mary's. It encompasses our strategic directions and our vision to be the University of Choice for aspiring citizens of the world. Each of the three elements of rallying cry has a significant and thoughtful meaning:

One University: Our singular vision and commitment

One World: Unlimited possibilities

Yours: The challenge and the responsibility for all Santamarians

AN EXPLANATION FOR OUR GUESTS: THE CONVOCATION CEREMONY

The Procession

The ceremony starts with the procession — the entering of the members of Convocation, beginning with the Marshall of Convocation and the students who will be presented with degrees, diplomas, and certificates during the service. As the students fill up the chairs in the Theatre Auditorium, they will give the impression that today's ceremony really is, as convocations traditionally were, a meeting of the whole University. The word "convocation" means "calling-together". Indeed, the Theatre Auditorium could not hold all the individuals who are part of Saint Mary's — the students, the professors, the administration, the staff, and a large number of alumni around the world — not to mention their families and friends.

Next in the procession are special guests, the Members of Faculty, the Board of Governors, and the Deans of the Faculties.

Next are honorary degree recipients. In addition to "earned" degrees awarded to students who have studied and met the usual requirements, annually the University confers several "honorary" degrees on individuals who have been designated by the University's Board of Governors and Senate as deserving special honour. To symbolize the degrees, they will receive hoods trimmed with specially designated colours. The persons receiving this honour will be introduced during the Convocation ceremony and a brief text is read to explain why he/she merits the award. Details are found in the earlier portion in this program.

The final members of the academic procession are the Vice President, Academic and Research (who presides over Convocation), the President, and the Chancellor.

Many will have colourful gowns and hoods of institutions from across Canada, the United States, and many nations of the world.

The Ceremonial Mace

The ceremonial mace, which is carried by the Marshall of Convocation at the head of the academic procession, was presented to Saint Mary's in April 1980 and used for the first time at the Spring Convocation of that same year. It symbolizes the University's authority to grant degrees. It was made and presented to the University by Maritime Command in recognition of Saint Mary's alumni killed in both world wars and also in recognition of serving members of the Canadian Armed Forces who have been students at the University.

The mace is made of oak with a cast brass crown and brass plates carrying traditional ceremonial engravings. The plates represent the contributions to Saint Mary's by the Jesuit Fathers, the Christian Brothers of Ireland, the Archdiocese of Halifax, the LaSalle Christian Brothers, the Lay Teachers, and the Armed Forces.

University Crest

Designed in the 1940's by the Reverend Daniel Fogarty, S.J., then Dean of Education, each symbol in the crest has significance relevant to the various phases and history of the University.

On the outer portion of the crest, the name and location of the University are inscribed in Latin and, in Roman numerals (1841), the date the University received its charter authorizing it to grant degrees.

The book shown above the shield represents learning and knowledge. The inscription on the page of the book is in Latin — "Age Quod Agis". This is the motto of the University which exhorts all those connected with the University to strive to do their best in everything that they do. This quotation is from the Irish Christian Brothers and symbolizes their contribution to the development of the institution.

The upper part of the shield has the official seal of the Jesuits with I.H.S. being the Greek initials for Christ's name. Below these initials are the three nails which represent the Crucifixion, and surrounding these is the Crown of Thorns. The two crowns represent a dual loyalty - to the then Dominion of Canada and to the British Commonwealth. Below these crowns is the thistle, which stands for Nova Scotia's Scottish heritage.

The Presidential Medallion of Office

On 22 October 2000, a Medallion of Office was officially presented to the University and used for the first time that same day at the installation of Dr. J. Colin Dodds as President. Designed and crafted by James Bradshaw and Bruce Babcock of James Bradshaw Jewelry Design Studios, Inc., Halifax, its centre is a University Gold Medal, traditionally awarded to the top graduating students. It symbolizes the University's deep commitment to academic excellence. It is surrounded by contrasting sterling silver, representing the diversity of the institution's students and of its academic programs. It was generously presented by Mary Eileen Donahoe and her family as a memorial to the late Senator Richard A. Donahoe, Q.C., K.S.G., LL.D. (Hon.), a member of one of the University's earliest Boards of Governors, in recognition of his career of public service and his love of Saint Mary's.

The Hooding Ceremony

As you will observe, all the graduates and members of the academic procession are attired in the basic elements of formal academic dress, which at Saint Mary's follows the general guidelines established at Oxford and Cambridge Universities in England. Formal attire consists of academic robe, hood and mortar board, although at Saint Mary's the latter is limited to Master's graduates only. The academic dress worn by each participant depends upon that academic level attained. There is special attire for the Bachelor, Master, and Doctoral level candidates. While tradition has dictated the style or cut of the academic attire, each post-secondary institution, for the most part, will amend certain details of the attire to suit its own particular tastes and traditions.

The academic hood which each graduate is wearing symbolizes the degree into which the student will be or has been admitted. The hood itself traces its tradition back to the Middle Ages, when its prototype, with a cowl-like appendage and tail, was used to cover the shoulders in the cold and draughty medieval buildings or in inclement weather. Gradually this garment was modified and the hood assumed an academic rather than functional significance. The hood has two basic elements: the trim on the outer edge and an inner satin lining. Each hood has its outer edge trimmed with a colour to indicate a particular faculty and degree: white symbolizes Arts; gold, Science; grey, Commerce and green for the new Bachelor of Environmental Studies. The hood for the Master's candidates is essentially the same as the Bachelor's hood except that the trim is usually an inch or two wider. All the Bachelor level hoods are lined with satin in the colours of the institution granting the degree. Hence at Saint Mary's the hood is lined with maroon satin with a white chevron. The Master's hood at Saint Mary's is lined with maroon satin only to give it added distinction from the Bachelor's.

A symbolic hooding ceremony has become a traditional feature of all Convocations at Saint Mary's.

Flags on the Stage

Each year Saint Mary's has a number of international students. The flags which you see displayed on the stage for Convocation are from some of the countries from which these students come, not necessarily graduating students, but those in any year of study. The globalization of the Saint Mary's University community is a feature of justifiable pride which contributes markedly to the growth and understanding of both Canadian and non-Canadian students.

Also included in the University's permanent collection of flags is one from the International Year of the Disabled signifying the University's permanent commitment to people with disabilities. Also part of this collection is that of the Mi'kmaqs' in recognition of their First Nation's Status. Since our Spring 2002 Convocation, the University's Bicentennial flag has taken its rightful place in our permanent collection.

Graduation Alumni Pins

The Alumni Association of Saint Mary's University has generously provided an Alumni Pin again this year. This is a tradition which started with the 1990 Spring Convocation. Graduates are encouraged to wear theirs with pride and to consider becoming an active member of the Association.

Degrees and Diplomas Awarded with Distinctions

At Saint Mary's University in the general undergraduate degree and diploma programs, academic distinctions are awarded to successful candidates on the basis of the following cumulative grade point averages of all courses taken at Saint Mary's University. There are no distinctions awarded in graduate and certificate programs.

B.A., B.E.S, B.Comm., & B.Sc.	Grade Point Av.	Diploma in Engineering
summa cum laude	4.00-4.30	with greatest distinction
magna cum laude	3.85 -3.99	with great distinction
cum laude	3.70-3.84	with distinction

The President's Hall of Academic Excellence, located in the main hallway of the McNally Building, directly outside the President's Office, displays the names of all students who earned one of these distinctions. The Hall also includes the names of students who won academic medals at graduation.

The University's symbols and traditions reflect its roots as well as looking to its future and the ritual of Convocation looks to the roots of the University as well as being a beginning for the students who now enter a new stage in their lives. Indeed, both the symbols and the Convocation look back far beyond the beginning of this University to the centuries of academic life in western civilization. Today the University dresses in clothes which are symbolic, not functional, and goes through the 600-year-old ritual of a convocation for the conferment of degrees, diplomas, and certificates.

We thank you for being present to share in it with the Saint Mary's University community.

Photography

Family and friends are welcome to come forward and take photos of your favourite graduates as they exit the stage. However, we ask that you do not impede the flow of the ceremony or obstruct others taking their photos.

Stage trappings will be left in place for approximately one half hour at the conclusion of Convocation for students who wish to have photographs taken by family and friends against the backdrops on the stage.

There will also be photo backdrops of the University in the Conference Hall for pictures after the ceremony.

Framing of Parchments

The Saint Mary's University Bookstore, is pleased to provide an on-site, instant framing program following graduation ceremonies. (Please note: This service is **NOT** available during the Convocation ceremony.)

Simply present your diploma at the designated area in the BMO Lounge area outside of the Conference Hall. In seconds, it will be professionally framed in a high quality, Canadian-made frame, complete with a mat emblazoned with the official crest of Saint Mary's University.

DVD

DVD videos of the convocation will be available and can be ordered from the website:

www.bigaro.ca

The Board of Governors, The Academic Senate, and
The Graduating Class

of

Saint Mary's University

Cordially invite you to attend a Reception
immediately following Fall Convocation

Conference Hall
Loyola Academic Building

This informal setting will provide an opportunity for graduates and their guests to meet Faculty, Administrators, and Staff of Saint Mary's University.

Light refreshments will be served.