

Carleton

UNIVERSITY



**156TH CONVOCATION
2020 & 2021**

June 15, 2022
Ceremonies 11 and 12

2022 Spring Convocation

(2020 + 2021 Graduates)

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

O Canada

O Canada! Our home and native land!

True patriot love in all of us command,

Car ton bras sait porter l'épée,

Il sait porter la croix!

Ton histoire est une épopée

Des plus brillants exploits,

God keep our land glorious and free!

O Canada, we stand on guard for thee.

O Canada, we stand on guard for thee.

Convocation at Carleton University

History

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

Today, Carleton stands among the best comprehensive universities in Canada. It is a dynamic, research-intensive university, committed to providing an outstanding learning experience for more than 31,000 students. The university offers more than 150 majors, specializations and concentrations in areas as diverse as public affairs, journalism, art and culture, engineering, high technology and international studies.

Today's Convocation ceremony (the calling together of the academic assembly) has its roots in university traditions of medieval Europe.

Coat of Arms



The coat of arms was presented to the university by His Excellency The Right Honourable Ramon John Hnatyshyn, Governor General of Canada, on November 15, 1992, as part of Carleton's 50th

anniversary celebrations. It is described in heraldic terms as follows: Sable a maple leaf Gules irradiated and charged with an open book Argent; And for a Crest: On a wreath Argent Sable and Gules a Phoenix Gules quilled and beaked Or issuing from flames proper; And for a Motto: Ours the Task Eternal; And for Supporters: on a grassy mount on either side a raven Sable beaked and membered or armed Gules.

The open book on the maple leaf signifies that Carleton University is in the nation's capital and that learning is open to all who wish to partake of it. The phoenix, the legendary eternal bird, symbolizes the renewing of learning from older foundations, in recognition of Henry Marshall Tory's role in the founding of the university when he was 78 years old. Ours the Task Eternal is taken from a Walt Whitman poem entitled Pioneers and ties in with the eternal quality of the phoenix.

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

The Mace



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

At Convocation, the mace is carried by the Marshal of Convocation. During the ceremony, the mace is displayed

as an embodiment of the authority of the university.

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

Centre for Indigenous Support and Community Engagement – Eagle Staff

The Eagle Staff is sacred to many Indigenous peoples. It represents the strength and resilience of Indigenous communities and is traditionally carried by someone who has served their community in combat, in leadership or spiritually. The Eagle Staff is a Grandmother staff and was created to be nurturing to our students. It was created by Joel "Bear" Babin who is Algonquin from Wahgoshig First Nation, and who practises Mitawin Traditional ceremonies. Mink fur on the staff represents the best of luck and success to our graduates. The Desert Eagle Hawk's feathers on the staff protect the Northern Flicker's feathers, symbolizing that we are there to guide our students. There are 12 feathers on the staff from a juvenile female eagle. Sage and Sweetgrass are attached and the braided material signifies our ties to the students and the colours represent the walks of life.

The Diploma

The diploma graduates receive at Convocation is the certificate of qualification which publishes the fact that the student has fulfilled all the requirements and completed the prescribed course of study for the degree. As the senior academic legislative body of the university, it is the Senate which has determined whether the requirements have been met. The signatures of the Chancellor and the President of the university appear on the diploma: the Chancellor because of his or her role in conferring the degree, and the President who, as Chair of Senate, certifies that Senate has enacted the required motion to award the degree. The seal of the university is affixed to the diploma as a mark of authentication.

Academic Dress

The academic dress of Carleton University results from a compromise between that found in the ancient foundations of Britain and Canada and the American Intercollegiate Code.

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

All three academic hoods — bachelor's, master's and doctor's — are of the simple or Oxford shape. The bachelor's hood is made of black stuff. The master's and doctor's are made of black silk. All are lined with silver silk, with two chevrons, one of red and one of black. From bachelor's to doctor's, the hoods are progressively longer and opened to show more of the lining.

The velvet border of the hoods denotes the degrees granted according to the following colour combinations. In some cases a distinguishing cord is sewn slightly in from the lower border: accounting is lemon yellow; applied business analytics is emerald green; applied science is orange with a black cord; architecture is hot pink; architectural studies is hot pink with a black cord; arts is white; business administration is camel brown with a black cord; cognitive science is sky blue with a gold cord; commerce is camel brown; communication and media studies is navy blue; computer science is walden blue; economics is old gold; engineering is orange; entrepreneurship is palmetto green; global and international studies is lavender; health sciences is firebird red; human computer interaction is smoke blue; humanities is white with a red cord; industrial design is toreador red; master of information technology is maize; bachelor of information technology is maize including a green chevron to denote the joint degree and applied diploma from Carleton University and Algonquin College respectively; infrastructure protection and information security is sky blue with a red cord;

international business is camel brown with a red cord; journalism is white with a black cord; journalism and humanities is white with a black and red cord; mathematics is hunter green; media production and design is white with a black and gold cord; music is pink; philanthropy and non-profit leadership is toreador red with a black cord; political management is sky blue with a black cord; public affairs and policy management is peacock with a gold cord; public policy and administration is peacock with a black cord; science is Spanish yellow; social work is crimson; and doctor of philosophy is royal purple.

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

The two shades of blue in the doctoral gown are those of the United Nations, and recognize the university's long-standing interest, from its earliest years, in international affairs and issues. The colours were chosen when the university awarded its first honorary degree in 1954 to the second secretary-general of the United Nations, Dag Hammarskjöld. The tradition of awarding honorary degrees to secretaries-general of the United Nations has continued since that time.

The gown of the honorary Doctor of Laws, Literature, Music, Science, Engineering, Architecture or Fine Arts is a full robe with square collar at the back and modified T Sleeve. It is made of royal blue cloth with light blue facings that continue around the back. The light blue also trims the bottom edge and slit of the modified sleeve.

The hood has the same lining as that for the degrees granted by examination, and is bordered with royal purple for the degree of Doctor of Laws; vibrant blue for the degree of Doctor of Literature; pink for the degree of Doctor of Music; red for the degree of Doctor of Science; orange for the degree of Doctor of Engineering; hot pink for the degree of Doctor of Architecture; and dark cardinal for the degree of Doctor of Fine Arts.

Alumni Hall

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

Officiating Officers

Chancellor



Yaprak Baltacioğlu, LL.B., M.A.

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

President and Vice-Chancellor



Benoit-Antoine Bacon, Ph.D.

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

Chair of the Board of Governors



Dan Fortin, B. Eng

Dan Fortin retired as President of IBM Canada Ltd, July 2014. With over 35 years of experience, he has held a number of senior positions in Canada and internationally. Today, Fortin is active on a number of boards. He is currently the Chair for Foresters Financial, Carleton University's Board of Governors, and Evok Innovations, a Cleantech Venture Capital Fund. He also serves as an independent director of Definity Financial. Fortin has a Bachelor of Civil Engineering from Carleton University and received an Honorary Doctorate in 2009. He holds the Institute of Corporate Directors' Designation and has earned a Cyber Security Board Oversight certificate from Carnegie Mellon.

The Presiding Officer of Convocation is the President and Vice-Chancellor of the university, Benoit-Antoine Bacon, *Ph.D.*

Accompanying him on the podium is the Chair of the Board of Governors, Dan Fortin, *B.Eng.*

Assisting the Chancellor

Marshal of Convocation

Elinor Sloan, *Ph.D.*

Professor, Faculty of Public Affairs

Betina Appel Kuzmarov, *Ph.D.*

Associate Professor, Faculty of Public Affairs

Donald L. Russell, *Ph.D.*

Professor, Faculty of Engineering and Design

Eagle Staff Carrier

Keely Thompson-Cook

Mohawk – Akwesasne Mohawk Territory

Michaela Michaud-Hunter

Ojibwe

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

University Awards

2020/21 Founders Award



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

Margaret Haines, BA, MLS, FCLIP, Hon FCLIP

Following an accomplished career in Canada and abroad, Margaret Haines returned to Carleton, her alma mater, in 2006 to serve as University Librarian.

As a mentor and guide, Haines has supported numerous staff and librarians, but it was her vision to see the library at the heart of the university and community that remains her lasting legacy.

In collaboration with Alan Steele and the Provost's Office, Haines oversaw the most significant renovation in MacOdrum Library's history. Since its completion in 2013, it remains the hub of campus, providing a flexible and inspirational learning space for all who enter its doors.

Since retiring in 2016, Haines has remained active in the Carleton community. She currently volunteers on the Carleton University Retirees Association Executive, the Retirees Engagement Committee, and on Senate as the Alumni Association Senate representative.

Haines holds a Bachelor of Arts ('70) from Carleton University and a Master of Library Science ('75) from the University of Toronto.

2019/20 Board of Governors Award for Outstanding Community Achievement



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

Francesca Tsimiklis, B.Eng, MASc

For her contribution to both the Carleton and Ottawa communities, Tsimiklis was presented with the 2019/20 Board of Governors Award for Outstanding Community Achievement.

Over the course of her eight years at Carleton, Tsimiklis was an active member in the Carleton University Biomedical Engineering Society, participating in the faculty's mentorship program, and working as a tour guide for Engineering Outreach and Recruitment. Tsimiklis was also part of the Carleton University Women in Science and Engineering Carleton Chapter program, and an invited panelist for GoEngGirl.

While completing her master's degree, Tsimiklis continued to volunteer extensively at the Glebe Centre in a number of musical therapy programs, assisting those suffering from dementia in the "Music and Memory" program.

Tsimiklis is currently an Associate Engineer at Abbott.

2020/21 Board of Governors Award for Outstanding Community Achievement



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

Millicent Close, BHSc

Now graduated with a bachelor's degree in Health Sciences, Close managed to successfully complete her full-time studies while undertaking an honors field placement, balancing three part-time jobs, and fulfilling multiple volunteer roles.

Throughout her studies, Close demonstrated an ongoing dedication and commitment to the well-being and empowerment of her fellow students. She volunteered on a number of science committees, including the Carleton Science Student Society (CSSS) where she served two terms as president and CEO.

Close further lent her altruistic pursuits to the greater Carleton community by volunteering as a peer mentor in the Science Student Success Centre for four years while actively participating in Carleton's governance. She was a member of the Carleton Academic Student Government (CASG) and served as the undergraduate student representative for the Faculty of Science on Carleton University's Senate for three years.

Close now works for Undergraduate Recruitment at Carleton University.

Medallists in the Graduating Class

Governor General's Medal

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

Donor: Her Excellency the Governor General of Canada

2020

Catherine Chokly
Lucas Samuel DiRienzo
Anita Pari
Andrea Jane Reid

2021

Hanane Hadj-Moussa
Cole Dennis Johnson
Christopher Karpinski
Janna Lyn Klostermann
Sarah Rosa

Chancellor's Medal

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

2020

Sara Katharine Garden
Silas Raven Xuereb

2021

Charles Allan Bruinink Hutchinson
Simon Martial Kuttner
Christopher JiaJun Wang

President's Medal

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

2020

Rebecca Marie Butler
Ariane Renaud

2021

Justine Ann Brown
Reilly Michelle Dwyer

University Medal for Outstanding Graduate Work

Doctoral level

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

2020

Andrea Jane Reid
Fateme Zabihollahy

2021

Simon Darrell Baldwin
Janna Lyn Klostermann

Master's level

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

2020

Alicia Louise Haniford
Natasha Knack

2021

W. Aline Ingelson-Filpula
Caitlyn Alissa Proctor

University Medal

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

2020

Architectural Studies
Jonathan Caron
Kathryn Janine Dekraker

Arts

Julie Cecelia Aalders
Gregory-Clinton Archibald
Genevieve Forget
Aiden George Stead

Cognitive Science
Catherine Black

Commerce
Brandon Miller
George Zelikov

Communication and Media Studies
Allison Elizabeth Assaff
Sidney Boegman

Computer Science
Olivia Margot Perryman
Yiwei Zhang

Economics
Jessica Lee Martin
Chi Zhang

Engineering
Jacob von Chorus
Danilo Vucetic

Global and International Studies
Kirstin Pulles

Health Sciences
Taylor Barbara Anderson
Chloe Michaela Campbell

Humanities
Bryce Gratton

Industrial Design
Sophia Hiromi Shah Nakashima
Alura Sutherland

Information Technology
Ryan Robert Murdoch

International Business
Victoria Farrell

Journalism
Julianne Tierney

Mathematics
Adam Chmara
Richard Geoffrey M. St. John

Music
Anthony Tiberius Kubelka

Public Affairs and Policy Management
Shawn Zachary O'Connor
Safira Teja

Science
Jade Samara Pon
Benjamin Burton Warnes

Social Work
Michael Ferri
Tara Saadat

2021
Faculty of Arts and Social Sciences
Thalia Charlebois
Alexander Thomas Kirby
Jessica Lynch

Faculty of Engineering
Rami Shaklab

Faculty of Public Affairs
Kathryn Mumford
Amanda Catherine Thompson
Jessica Eileen Wilson

Faculty of Science
Rami Jadayel
Raymond King Yuen Lau

Sprott School of Business
Amy Belle McKay

Architectural Studies
Jessica Catherine Babe

Arts
Aidan Patrick Joseph Smyth
Caitlin Walker

Cognitive Science
Madison Alana Carty

Commerce
Matthew James Clement

Communication and Media Studies
Emma Morgan Francis

Computer Science
Krystian Wojcicki

Economics
Timothy Peter-Frank Ashmore

Engineering
Gregory Hamilton

Global and International Studies
Molly J Krystine Boley

Health Sciences
Vasily Inkovskiy

Humanities
Tara Maeve McMahon

Industrial Design
Mandy Zoe Hui

Information Technology
Isabelle Potvin

International Business
Dannick Giguere

Journalism
Samantha Gabriella Pope

Journalism and Humanities
Lauren Sarah Rollit

Mathematics
Abrar Kazi

Music
Jennie Kathleen Seaborn

Public Affairs and Policy Management
Amelie Holland Chartrand

Science
Emine Ismet Topcu Can

Social Work
Patrick Shaun Ennis

Senate Medals for Outstanding Academic Achievement Graduate

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

2020

Doctoral level
Rawan Alkurd
Brittany Blaskovits
Trina Johanne Cooper-Bolam
Margaret Elaine FitzGerald
Matthew Bertram Edward Griffiths
Nawaf Nasser
Matthew Purvis
Safiyah Rochelle
Rimple Sandhu

Master's level
Kevin Daniel Amirault
Samuel Robb
Evan Turner
Jamie Lynn Marie Desautels
Vasileios Lioutas
Scott Dutrisac
Brodie William Hobson
Corrine Carolin VanWoudenberg
Meagan Lise Breault
Rachel Kaye McNally
Tanyss Anne Sharp
Emily Ann Williams

2021

Doctoral level

Sabrina Michelle Burr
Dusan Gostimirovic
Jing Jin
Ryan Scott Killick
Samuel MacIsaac
Chloe Isabelle Marie Pedneault
Noah Schwartz
Paul Smith
Seetal Sunga
Yun Wang
Stephen Weber

Master's level

Noah Leete Langlois
Jeffrey Grant Wayne Hough
Ville Tuovi Tiukuvaara
Sabina Inge Franklyn
Sunny Rabiul Karim
Donald Zachary Leone
Monisha Logan
Cassandra Taylor Starosta
Ting Hu
Jenna Lynn Ann Rolfe
Elia Palladino
Candace Roberts

Senate Medals for Outstanding Academic Achievement Undergraduate

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

2020

Zainab Abdulhusein
Farah Allaa Abusharkh
Montader Ali
Trevor Sean Andersen
Julia Grace Anderson
Polina Andrievskaia
Sidney Elizabeth Anthony
Jennifer Armstrong
Abhijit Arun
Matthew Douglas William Auld
James Alec William Baak
Samphe Brule Emily Lhasa Ballamingie
Oludare Azeez Balogun
Evelyn Bartlett
Alexandra Bavington
Grace Eva Bazinet
Kayla Beaudin
Lisa Joy Bebyck
Christopher Arthur Beers
Amy Bekkers
Megan Norah Bengough
Tarek Benzouak
Autumn Rae Bernard
Samual James Bird
Mitchell Blanchard
Dawn-Marie Blok
Alexa Catherine Bordage
Emma Kate Mharie Bornheimer
Ryan Stephen Boros
Isabella Rose Ludvig Bossom

Paolo Bottega
Meaghan Mary Brackenbury
Brohan Brennan
Sador Efreim Brhane
Liam Bruce
Calla C. Brugmans
Sinclair Anna Dorothy Bruin
Holly Lynne Brulé
Patricia Lynne Bryden
Sarah Buckingham
Quinn Arthur Budan
Rebekah Bueti
Erin Marie Burke
Benjamin Bushell
Christa Buttera
Eddie Cai
Margaret Rose Cameron
Michael Robert James Cardy
Joey Carrier
Hannah Li Er Carton
Zachary Lucas Cave
Adrianna Chang
Cassidy Lita Charron
Boris Kai Ho Chee
Dawei Chen
Alexandra Vivane Cheslock
Gabrielle Sheng Pei Chia
Veronica Sheryl Chiarelli
Mariève Chouinard
Jerry Yan-Yu Chow
Adriana Miyuki Chu
Troy Hilliard Alexan Clarke
Anthony Robert Umberto Colonico
Christian Comeau
Amanda Anna Cousineau
Hannah Elizabeth Crepeault
Jack Cruikshank
Deanna Cummings
Mara Currie
Miski Dahir
Brittany Dalzell
Lindsay Meek Damini
Jordyn Danells
Robert Davidson
Amedeo de Pretto
Kayden Oliver Debney
Chloe Ann Dennis
Matthew Shane Deonarine
Christopher Robert DesRivieres
Caitlyn Mackenzie Dewar
Michelle Dich
Hannah Anne Dinovitzer
Sandra Doidge-Feder
Qi Dong
James Michael Donner
Julia Dorion
Jordan Dugan
Lauren Elizabeth Dunn
Michael Dysart
Noor Samy Abdel El Astal
Katelyn Peterkin Elliot
Connor Stephen Ellis
Cherlene Lareza Eloria
Mariam Elsayy

Kaya Erdin
Elizabeth Farrell
Genevieve Olivia Skye Finn-Vickers
Kayla Fitch
Yuri N. Fitzpatrick
Shannon Mae Foss
Emily Jaine Madelin Fraser
Emily V. Frendo-Cumbo
Mkeshi Charles Gadi
Alexander Yuan Gao
Seth Gatien
Wondewossen Gebeyehu
Delaney Quinn Gilmore
Dayna Melissa Goldfarb
Maaike Gooderham
Charlee Johanna Grace
Brendon Joseph Graveline
Analis Ambay Groh
Mariam Hakoum
Gwen Shannon Haller
Kaj Bjarki Hallgrimsson
Matthew Hamilton-Smith
Catherine Judith Beverley Hammond
Jackson Yoshi Harada-Poulter
Logan Murphy Hardman
Matthew Andreas Hauzar
Olivier Eugène Hayet
Marcus Hebert
Moonkyung Heo
Shannon Marie Hicks
Sarah Nadine Hobson
Sarah Joy Hosmar
James Houseman
Jason Tseun Hum
Carley Hutchinson
An Phuong Huynh
Evalynne Jacaban
Gavin Jackson
Rishabh Jain
Neely Amanda Jarvis
Aya Kadri
Petros Philippos Kapetanakis
Rachel Valentine Kardish
Kyle Kazareczky
Matthew Kazarian
Laura Keating
Jasmine W. Morrison Keeler
Fraser Keegan Kirby
Kasey Lane Kirkup
Gyathri V. Kitnasamy
Linnea Klockars
Layne Gregory Koftinow-Mikan
Adam John Kouri
Michael Kuang
Tanner Kennedy Kyle
Daniel George Kyrollos
Martin Ignacio Laborde
Judith Emilie Lachance
David Laferriere
Jyllenna Wilke
Alexandra Lasocka
Madeleine Lawler
Andre Nicholas Lawrence
Joel Bradley Lawrence
Audrée Anne Leclerc

James Hugh Hamilton Lee
Philippe Leroux
Gabrielle Lessard
Jiangyan Li
Jordan Taylor Li
Joseph Michael Lindon
Justin Michael Lo
Meiqing Luo
Ayelet Chen Lustgarten
Krista Diane Luzzi
Peter Kenneth MacDonald
Lindsey MacMillan
Emily MacNeil
Maeghan Eadie Macpherson
Hassan Mahmoud
Jan Piotr Marchwica
Andre Markus
Nathan Scott Marshall
Laura Ruth Martin
Rafael Enrique Martinez Sanchez
Madison Jordan Martinez
Emmanuelle Masclet
Sonia Mataj
Shyanne Matone
Scott McCalla
Sarah McDonald
Olivia J. McMurtry
Devanshi Narendra Mehta
Bence Mészáros
Natalie Margaret Mezey
Joshua Charles Miller
Rebecca Jean Mitchell
Rachel Carmen Earleen Moreau
Ana Maria Mota
Keenan Neo Murphy
Sarah Musclow
Andrew Musgrave
Luke Antony Ashley Newton
Dana Nickerson
Tran-Vu Nong
Chae-Lynn Normore
Tamara Jane O'Connor
Abigail A. O'Grady
Kikachukwu Stephanie Otiono
David Brandon Payne
Emily Peeling
Alexander Pegarkov
Jacob Rodney Crone Pelchat
Cossette Pascale Penner-Olivera
Jensyn Alexis Plunkett
Laura Polakova
Rebecca Elise Pottruff
Rebecca Lynne Price
Michael Pruss
Colleen Rosslyn Freda Putzig
Jessica Marie Rainey
Serena Remtulla-Langlois
Samantha Angelica Ricardo
Carley Lyn Richards
Mitchell Richardson
Olivia Renée Robin
Vijay Robinson
Hilary Frances Romaniuk
Véronique DuVernet Rowley

Courtney Nicole Royle
Esra'a Saleh
Dana Sandler
Aditi Sajjala Sankhe
Lorie-Ann Savard
Sebastian Saville
Michaela Scanlon
Margaret Louise Schweltnus
Margaret-Claire Seguin
Andrew James Selfridge
Naryan Shukle
Antonio Mario Sicoli
Sara Siddiqi
Justin Sigouin
Alexandra Silver-Mahr
Nathan Chun-Kit Siu
Joshua Dylan Sloan
Carl Duncan Peter Spencer
Abraham Srna
Scott Stanfel
Konrad Stanicki
Jared Struthers
Marcus Stukel
Alicia Wai Ha Suen
Henry Sum
Talia Lisa Tahtadjian
Joshua Tanner
Mark Michael Tanyous
Alannah Rebeckah Taylor
Randy Taylor
Ibrahim Terai
Madeline Campbell Thomas
Brette Thomson
Brandon Tobin
Daniel Hugh Toplis
Alex Trostanovsky
Alexandra Anna Tucci
Austin Turner
Brina Underwood
Emily Marie Van Hoeve
Jesse David Clarence Van Kesteren
Alexandra Elise Vegso
Alexander Kerry Verch
Dieter Jurgen Verhufen
Victoria Stephanie Verroen
Zoya Versey
Igor Veselinovic
José Martín Villamor
Miriam Megumi Villeneuve
Avery Ellis Vine
Esther Willa Vininsky-Oakes
Cole Elliot Walker
Alyssa Nicole Walter
Ching-Wen Wang
Stephen Howard Watson
Dana Kelsey Weaver
Jillian Weinberger
Mary-Johanna Weir Weiss
Alexandra Welten
Jessie Eleni Westell
Maxwell Wiegand
Alexandra Wilson
Katherine Ashley Wilson
Herman Wong
Hyunjin Woo

Minda Wood
Mengyao Wu
Jia Ying Xu
Hudaifa Saleh Zayed
Julia Sarahanne Zebarth
Xinrui Zhang
Dicong Zhao
Joseph Alan Zurakowski
Nikita Megan Zurowski

2021

Samuel James Abbott-Tate
Sandra Abou-Eid
Madison Ann Abraham
Taylor Abraham
Sawsan Alaa Abusharkh
Afreen Ahmad
Alex Steven Aikman
Victoria Anuoluwa Ajila
Tuba Nur Aktas
Ruby Joy Alguire
Ruqaya Almalki
Tamara Alsayed
Habeeba Aderemi Amuni
James Albert Anawati
Saleha Anwer
Nathaniel Arnill
Emily Rose Arsenault
Kylie Ann Arsenault
Samantha Elizabeth Atkins
Maxim Aubrey-Robillard
Kiara Maria Ayoub
Azim Baghadiya
Elizabeth Balsewicz
Sherry Lynne Baltzer
Shakibasadat Bani Fatemi
Abigail Rae Bartlett
Camryn Dora Beazley-Wright
MacKenzie Bedard
Matthew Owen Betts
Bimal Bhagrath
Robert Oliver Binkowski
Madeleine J. Biron
Alexander Rennie Bisailion
Shane Joseph Neave Bishop
Jenna Rachel Cassidy Blower
Maria Manuela Boeira
Jacob Mitchell Boertjes
Taylor Marie Bogle
Bianca Santa Maria Bono
Sydney Keenan Bota
Olivia Sarah Compton Botelho
Ian Braithwaite
MacKenzie Grace Brannen
Jovunjeet Singh Brar
Thomas Gilbert Ramos Bray
Kaitlan Bernice Brazeau
Kirsten Fiona Brightman
Cody Browne
Alison Gwyneth Burke-Filewod
Olivia Grace Bussey
Mia Cadieux
Kendra Mary Campbell
Mélanie Catherine Cantin
Tri Minh Cao

Yizhang Cao
Melissa Hazel Carvalho
Keyan Cassis
Courtney Ainsley Cathcart
Stephanie Dorothea Cathcart
Samuel Catherasoo
Elizabeth Anne Chamberlain
Fadel Chamseddine
Gillian Sara Patricia Chapman
Paul James Douglas Chellew
Jacqueline Onlam Chiu
Rhea Sarita Chopra
Tyler Leigh Christoffer
Cristian Ciobanu
Erika Cizek
Dalton Shane Clark
Keyanna Coghlan
Justin Michael Collacutt
Emily Katherine Conway
Emily Coppella
Francesco Costanzo
Isabelle Anne Cote
Sally Rebecca Crandlemire
Sarita Fiorella Cuadros Sanchez
Luca Curcio
William Da Silva
Colin Dalby
Alexa Isabella Dallaire
Ayebabomo Wilfred Dambo
Sreyasi Datta
Danka Davidovic
Philippe Bruno Decoste
Wenyue Deng
Jovan Dhatt
Sandeep Singh Dhatt
Caitlyn Renee Doiron
Joseph Dooley
Miranda Marie Doris
Dustin Edmund James Doucette
Aboubacar Doumbia
Mackenzie Dowson
Adam Dublin
Eleanor Beatrice Duffley
Richard Matthew Edwards-Jones
Nisreen Elias
Gabriel Stephen Ellepola
Nicholas Robert Ellul
Selin Erdin
Aylin Erman
Amy Elizabeth Evans
Laila Anastasia Fahel
Giovanni Jonathan Falcone
Peng Sheng Fan
Salar Farokhi Boroujeni
Oliver Thomas Farwell
Katherine Ferguson
Meghan Gabrielle Fernandez
Dana Susan Foley
Evelyn Marie-Paule Fortin
Julia Lynn France
Ryan Frohar
Sean Fu
Zachary Flynn Fuller

Adam Paul Gale
Jonathan Richard Joseph Gale
Yan Peng Gao
Samantha Rachel Gaucher
Kira Francine Geisterfer-Black
Jiahe Geng
Yasmine Elsayed Ghania
Benjamin Ian Lyon Gilks
Sonia Katrina Gill
Ian Boyd Gilmour
Matthew Richard Daniel Gionet
Anna Christina Goodman
Alannah Margaret Gosnell
Aidan Teague Gowsell
Laura Jean Grant
Alana Lauren Gray
Carmen Gudino
Jingjie Guo
An Tuan Ha
Sandrine Hachez
Renée Kathleen Haddock
Jessica Lynn Haggard
Michel Nicolas Hajjar
Catherine Eleanor Hamilton
Lauren Jenna Lee Hamilton
Peter Hamilton
Nadim Hammoud
Yoojeong Han
Samantha Harris
Donya Hassanzadeh
Bridget Anita Hayes
Kieran Lachlan Wing-Sze Heffernan
Paige Lillian Heffler
Katherine Ann Higgison
Chelsea Annie Hobbs
Vegas Hodgins
Jasmine Hong
Emma Jean Hooker
Benjamin Joseph Houle
Trevor Hoyte
Kelvin Hua
Ethan Hunt
Blue Hunter-Moffatt
Ashley Alyssa Irwin
Tarek Issa
Maegan Therese Jackson
Shaylyn Elizabeth James
Rashmi Venusara Jasinghe
Maneet Kaur Jhaji
Nicholas Jodouin-Lund
Graham Andrew Johnson
Mya Leanne Johnson
Iman Amal Joseph
Korina Antoinette Joseph
Brittany Judith Junipero
Shanine Kamgang
Shaked Karabelnicoff
Amanda Jennifer Keech
Laura Kathleen Kennedy
Nathan Alexander Key
Neha Khanna
Simon Wilson Kinsey
Andrey Kirillov
Matthew James Knight

Marta Teresa Kolbuszewska
Nikolas George Kouloufakos
Simon Mihal Krol
Daniil Kulik
Tanya Kunwar
Abhishek Kurusetty
Jenaïssa Anne-Michèle Lajoie
Jyllenna Rae Landry
Erin Teresa Rose Lange
Adam Lariviere
Aaryn Victoria Lavallee
Mathieu Frederyk Leblanc
Kaylee Lynne Leduc
Sangmi Lee
Hannah Leistle
Braedon Scott Leonard
Jérémie Harmond LePage-Bourbonnais
Kennedy Anne Lessard
Brittney Kristine Marie Lewis Nash
Yizhen Li
Mattias Lightstone
Jacob Richmond Lindblad
Catherine Margaret Littlefield
David Liu
Priscilla Yee-Lam Lo
William James Lothead
Guillaume Lockman-Dufour
Bethany Leigh Loshusan
Calista Rachel Loten
Justin Whalen Low
Miranda Winnifred Lowe
William Lu
Zoe Frances Wayne Lyons
Tianrui Ma
William Ruifan Ma
Maya Nemat Maayergi
Elijah Dominic MacDonald
Keigan Malcolm Macdonell
Robert MacGregor
Shane MacIsaac
Melissa M. MacLean
Kianna Ramzieh Mahmoud
Anthony Michael Maio
Elizabeth Major
Elena Martynova
Coleka Latisha Masama
Nathan James Matthews
Hikmet Mawi
Grace Erika McCloskey
Colin McCulloch
Eimhin Patrick McDonald
Elyse Catherine McGarva
Sarina Renee McGillivray
Serenity Kafia McLarty
Heather Christina McLaughlin
Cameron Rae McMullen
Owen Benjamin McVeigh
Benjamin Melone
Katarina Milanovic
Persephone Ann Miller
Rowan Alexander Miller
Ali Jawad Mohammad
Yousef Mohammed
Victoria Andrea Molotchko

Chelsea Morgan Montgomery
Emily Nicole Moynes
Jonathan Mudde
Janine Maria Louise Mudge
Fahim Muhammady
Mohammad Naddaf
Ajitha Nair
Kayla Paula Nardelli
Hadi Nasrallah
Kiara Marie-Sylvie Nazon
Arielle Tiffany Neil
Ha Nhat Lam Nguyen
Justin Nicolaev
Juliana Christina Nicoletta
Kayla Lexy Noseworthy
Jason Kevin Nyentap
Jenny Laura Oatway
Ashley Michelle Ogilvie
Meghan Catherine Michiko Oliver
Pamela Ashley Ong
Temitayo Oluwafemi Oluwapelumi Oyelowo
Anna Paquin
Nicholas J. Paquin
Sheldon Abraham Parathundyil
Mackenzie Alexander Parent
Katherine Barbara Parker
Kenda Bailey Parsons
Anya Danilovna Pejensky
Allison Christine Penner
Deirdre Rose Pennock
Aynsley Catherine Persad
Ethan Paul Phillion
Allison Kimberly Plourde
Olivia Grace Polk
Alfredo Antonio Porco
Julia Elizabeth Prather
Rebecca Kate Margaret Prowse
Gabriella Margaret Rabaa
Adam Ranallo
Kelly Ann Ratajczak
Jackson Garrett Reid
Jessica Lauren Reid
Rezda Arifah Rezal
Noémie Richard
Daniel Thomas Richards
Vivian Janice Rigg
Belle Scout Riley Thompson
Ariane Roberge
Kieran James Robinson
Destiny Amber Roux
Hilary Laurel Rowe
Owen Spencer Rowland Fawcett
Veronique DuVernet Rowley
Emily Louise Russell
Amy Evangeline Russett
Rebecca Rynard
Nicholas Salamon
Courtney Anne Susan Schapelhouman
Brandon Derrick Schelhaas
Jessica Beverly Katharina Scheufen
Margaret Louise Schwellnus
Kaeden Oliver Miles Seburn
Frag Shalouf
Derek Shao

Samantha Ruth Shaw
 Lulu Ruilu Sheng
 Garrett Sherwood
 Denis Shleifman
 James Shrubbs
 Sumayya Sultana Siddiqui
 Rajyogeshwar Singh
 Michael John Lawrence Sloan
 Jamie Tyler Snow
 Brad William Sobczak
 Rekha Sobhee
 Victor Oghenefejiro Sodje
 Yingjie Song
 Matthew James St Cyr
 Caroline Elizabeth Stacey
 Jake Staples
 Nelly Juliette Cecile Staudte-Blondeaux
 Kari Ann Stevenson
 Connor Raymond Stewart
 Gillian Myra Cameron Stewart
 Madeleine Dorothy Stewart
 Renee St-Jean
 Adam Stone
 Kevin Richard Sullivan
 Demetria Samantha Swann
 Sofia Tapia Buchelli
 Olivia Lucy Tarr
 Meriam Tayar
 Tanisse Chanel Maureen Teale
 Jenna Margaret Christine Teske
 Helen Thai
 Claire Ada Tizzard
 Elisa Magdalena Torlone
 Gabrielle Torrealba
 Rim Mohamad Toutounji
 Anh Khoa Tran
 Christophe Tran
 Brianna Kathleen Tremblay
 Chelsey Kayla Trstenjak
 Erin Alana Turnbull
 Jill Turner
 Molly Turner
 Priyank Hemang Upadhyaya
 Katrina Valles
 Erica Cecilia Van Loon
 William Francis Scott Van Veen
 Matthew Vatamaniuck
 Victoria Evelyn Venne
 Francisco Villacis
 Alyssandra Holly Villeneuve
 Julie Anna Davis Vincent

Jennifer Lyn Vorobej
 Qaila Walji
 David Wang
 Kailai Wang
 Shulu Wang
 William Ruiheng Wang
 Xinyi Wang
 Rachel Warkentin
 Erica Anne Warriner
 Sarah Katharine Watts-Burpee
 Bin Wei
 Victoria Welland
 Patrick Robert Weller
 Tayler Mackenzie Wells
 Laura Jean Wheeler
 Nicholas Simon Wicklund
 Zoë Williams
 Adam Kenneth James Williamson
 Owen Robert Wilson
 Shelby Evelyn Wood
 William Hunter Wright
 Samuel Blake Wrightly
 Hijaab Yahya
 James Ying
 Yolanda Wing Tung Yip
 Zijian Zhen
 Nicholas K. A. Žuger

Recognition of High Academic Achievement

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

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

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

Ceremony 11

Wednesday, June 15, 2:30 p.m.

Convocation Speaker

Larry W. Kostiuk

Dean, Faculty of Engineering and Design



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

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

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

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

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

Order of Proceedings

Ceremony 11

Wednesday, June 15, 2:30 p.m.

President and Vice-Chancellor Benoit-Antoine Bacon, Ph.D., presiding

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

Processional Music

Opening Ceremony Video

Elder Irene Barbeau
Cree Nation

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

Introduction by the Master of Ceremonies

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

Convocation Address

Larry Kostiuk, Dean, Faculty of Engineering and Design

Conferring of Degrees and Awarding of Medals

Warrant
Betina Appel Kuzmarov, *Ph.D.*
Marshal of Convocation

Closing Address by the President and Vice-Chancellor

Benoit-Antoine Bacon, *Ph.D.*

Recessional Music

Doctor of Philosophy

(Presented by Professor Patrice Smith
Dean, Faculty of Graduate and Postdoctoral Affairs)

Architecture

Jesse Joseph Donald Rafeiro

Fiction as Pedagogy: Toward a De-
Anthropocentric Architectural Education
Supervisor: S. Fai

Jorge Alejandro Rivera Gutiérrez

The Affective Threshold: Or, The Sensational
Account of Place Through Film
Supervisors: F. Goffi and A. Perez-Gomez

Pallavi Swaranjali

The Subjunctive Pause: The Nature of
Architecture and Its Representation in the
Works of Indian Architect Balkrishna Doshi
Supervisor: F. Goffi

Master of Architecture

(Presented by Professor Patrice Smith
Dean, Faculty of Graduate and Postdoctoral Affairs)

Nahla Aldhobaib

Tourists to Ourselves: Nostalgia + the City in
Transition

Pouria Amidi

A Fable of Lost Volumes

Gabrielle Argent

Mobility, Voice and View: Unpacking the
Future of Cape Town's District Six

Emily Ann Ayotte

Intersticity: A Speculative Re-Mapping of
Toronto's Laneways

Sandra J. Baran

City Maker Meets City Dweller | A
Conversation About Public Engagement and
the Rideau Canal

Natasha Victoria Basir

Final Fantasy: A Two-Part Architectural Fairy
Tale

Nicholas Richard Bava

New Game +

James Michael Beach

Structure Stories

Matthew Franklin Beerman

Nexus: A Tactical Approach to Urban and
Political Change.

Etienne Bérubé

Climate Change and Architectural
Conservation Resiliency: How to Measure
Environmental Impacts on Historic Sites and
their Surrounding Communities

Jesse John Bird

Building the Paper Economy: Finding Spatial
and Cultural Agency Through Recycled Paper

James Joseph Caporicci

Looking to the Mouse: The Plausible
Impossible in Architecture and Animation

Brian Yat Long Cheung

Vibrant Senior Living: Rehabilitating Existing
Office Towers into High-Density Senior Care
Homes

Angela Chiesa

To Discover a New Tomorrow

Stephanie Chretien

It Takes A Village: A Comprehensive Look into
Sheltering Queer Youth

Luis gabriel Chung

Filmic

Laura Ainsley Ireland Clark

Indexing Memory: Archiving the Everyday and
Representing Bestowed Significance

Shannon Marie Clark

Post-Pandemia at the Poissonerie Shanahan:
An Account of Sick Cities and Their Remedies

Deanna Emily Coates

Age-Inclusive City: Reconsidering Torontos
Neighbourhoods for an Aging Population

Kevin Ryan Complido

Symbols, Sentinels and Reading Rooms:
Cultivating Literacies of Place in Central
Industrial, Saskatoon

Zachary Michael Coughlan

Life on the Edge: The Archeologist, the Oil
Rig, and the Newfoundlander

Pouian Delfanzari

Reclaiming Memories: An Atlas of Palestinian
Diaspora in Canada

Charles-Étienne Déry

Expanding Imaginaries // A New Mythology for a Changing World

Keely Cecilia Dobranski

Narrative Landscapes of Berlin: Conversations Between the Past and Future in Design

Joey Robert Patrick Doherty

Medicative Architecture: Bioplastic Ice Fishing Huts as a Rehabilitative, Bioremediation Proposal for Contrecoeur's Contaminated Protected Wetlands

Jamison Thomas Robert Duff

Soundscape: The Background City

Brendan Michael Dyck

Experience and Translation: Between Image and Object

Sally Omer Ahmed El Sayed

Memory Walks of the "Ungeographic": The Demolition of Black History

Christine Amy Ellis Wong

Future Heritage for Millwood: Sustainable Place-Making in Suburban Nova Scotia

Emily Jung Essex

Building a Memory: Reactivating a Lineage of Community Life at Centretowns 330 Gilmour Street

Fiki Marie Falola

Littoral Tales: Lagos

Lisette Forero

Shifting Ground: Fluid Features of Mexico City

Walter Hoi-Ho Fu

Shelter, Knowledge, Activism: A Refuge in the Canadian Forest for Political Exiles and Intellectual Dissidents of Totalitarian Regimes

Alice Clair Fudge

Faith in Ruins: Curated Decay for the Gothic Arches of Saint John

Matthew Fung

Room for Play: An Evaluation of the Lost [Healing] Spaces in Pediatric Healthcare Facilities

Michèle Gagnon

Reclaiming the Land: A New Paradigm for the Future of Tuktoyaktuk

Sophie Ganan Gavela

Geologic Atmospheres

Natalie Gervasio

interActive: Designing the Active City Through Urban Plug-Ins

Katherine Dawn Gillis

In Hot Water: A Lobster Tale

Emma Jade Goodwin

Unfolding the Hives: Urban Spatialities of Cape Town's Informal Street Trading Network

Shelby Hagerman

A Memory Palace for the Collective Mind

Kelcey Elizabeth Hamilton

Weightless: The Unbearable Lightness of Captivity

Ben Hayward

Reflections on Building a House: Testing the Capabilities of a Digital Workflow, Designing for Affordable Sustainability, and Reassessing the Recipe for Small Space Living

Benjamin Taylor Heron

Re-Stitching the Canadas: Great River Station and Prince of Wales Bridge Rehabilitation

Joo Sung Hong

In Search of a Place for Emotion and Healing: Designing Empathetic Architecture for the Third Age

Robin Grace Hoytema

From Worship to Wellness: A Study of the Adaptive Reuse of Historical Churches in Urban and Rural Ontario

Tina Weiyu Huang

The Past, Present, and Future of the Chinese Home: An Architectural Study of the Relationship Between Politics, Culture, and Domestic Space

Sinan Husic

Thinking and Making – Digital Craft Hybridity

Paul McKenzie Jackson

Quarantined Atmospheres

Maya Jarrah

Against Gravity: An Exploration in Post-Conflict Aleppo

Michael Walter David Jaworski

Fugitive Architecture: Obsolescence, Aspiration, and Adaptation in Vancouver's Urbanizing Industrial Areas

Diego Alonso Juarez Gallo

New York Vertical: Circular Design + the Supertall Tower

Gregory Juneau

Blue Junction: Improving Spatial Experience Through Ecological Water Management at Carleton University

Shaylyn Sarah Kelly

Borderline Fictions: Spaces of Absurdity in the Korean Demilitarized Zone

Khadija Khadija

The Agency of Infrastructure: From Desert to Oasis

Erin Christine Kirkland

From Powering a City to Fueling Its Citizens, Vertical Urban Farming in a New Light

Shannon Mary Kitley

Habits of Habitation: A Case for Disorienting White Comfort in Thunder Bay

Alvin Chiu Cheuk Kwan

Diversions: Journeying Vancouver's Pacific Railyards

Liane Mae Lanzar

Off the Field: Reimagining Sport, Community, and Landscape at Polo Park, Winnipeg

Emily Jayne Lefebvre

Augmented Reality Window: The New York Museum of Climate Catastrophe Through Objects, Failures and Timelines

Justin Keith Lewis

Layers: Lac Leamy + LeBreton Flats

Dawn Ling

How Not to Conserve: A Cautionary Tale

Kaleigh Gail MacLeod

Abandoned: Revealing Ontario's Hidden Landscapes

Daniela Erin Mandarano

The Eventification of Exhibiting Architecture

Brigitte Martins

A House Is a Home: Reconciling Design and Energy Performance in Three Toronto Laneway Houses

Laurence Massicotte

Weaving a Stronger Community

Felix Ferdinand Mayer

Defining Wilderness: The Landscapes & Boundaries of Banff National Park

Catherine McBain

De-Colonial Intersections of Conservation and Healing: The Indian Residential School System

Luke Ciaran McElcheran

Vital Traditions: Assessing the Status of Skilled Trades Work in Toronto's Heritage Policy

Ian Brendan McGee

The Poetics of Deconstruction: Unbuilding the Peterborough General Electric Plant

Patrick Thomas McGowan

Collective Navigation: Towards [Re] Conciliation Through Communal Experience

Mackenzie Victoria Mclean

Queer(ing) Space: Potentials of the In-Between

Kareem David James Mitchell

Housing on the Horizon: Low-Rise, High-Density Housing Strategies for Luanda's Expanding Periphery

Caelan Mitchell

Setting the [Creative] Stage: The Precarious Theatre of Work

Matthew Alexander Nestico

New York: A Story of People, Architecture, and Climate Change

Ian Jacob Ngan

With Drawing in Mind: Renovating an Architecture of Discovery

Jake Harris Nagy

(Re)Growing the Coast: Rehabilitation of the Land & Mind

Scott Nicholas Normand

The Choreography of Construction or How to Perform a Building

Analiz Ochoa

Filling the Gaps: Reimagining Public Space as a Continuum

Kristen Oyama

Adapting the Game: Flexible Strategies for an Unpredictable Future

Robin Papp

Embracing the Air: The Sensory Experience of Hemp-Lime Architecture

Alexandra Evelyn Olivia Pereira-Edwards

On Intimacies and Infrastructures: Sex Work and Spatial Politics

Kristine Prochnau

Apertures, Reflections, Light: A Pavilion for Re-Imagining the World around Us at the Distant Edge of Ottawa, Canada

Dana Rathwell

Greening: Designing Sustainable Urban Greenhouses in Ottawa

Ruamporn Ridthiprasart

Re-Imagining Lemieux Island

Camille Ringrose

Through Thick and Thin // Story Space on Rannoch Moor

Luke John Raymond Rivet

Transient Occupancy: The Resurgence of Publics in Downtown Toronto

Ivana Rovic

These Pretzels Are Making Me Thirsty: 920 Grams of Architectural Humour

Anna Lena Ryt

Unfamiliar Neighbours: Re-Thinking Residential Buildings for Meaningful Social Interaction

Rehab Salama

AYAT AL-QAHIRAH: Cairo's Cosmic Realms and Earthly Realities

Cassandra Sims

Anticipation: Enhancing Schools for the Present and Unpredictable

Kevin Tomm

Water Harvesting: Architecture Towards an Ecologically Integrated Community

Joel Connor Tremblay

The Architectural Chuck Box

Nastassia Usenka

Learning to Listen to Place: Beyond
Restoration at the Former Royal Alberta
Museum

Jason John Pierre Vandenberg

Canopies and Catwalks: An Architectural
Intervention of the Calgary Stampede
Grounds

Daniela Veisman

The Mediated Landscape: Iceland's
Wilderness in Cinema, Travel, and Transition

John Douglas Vieira

Building Resiliency into a Resource-Based
Community

Freed Rennan Vieira Gomes

Glitch-Visible Cities - Fictional Essays

Melissa Wall

Natures Course: Unearthing the Kingdom of
the Grey

Kimberley Sonia Wint

Preserving the Heartbeat of Trench Town: QA
Vision for Urban Renewal

Winnie Wong

Public Space in a Placeless Time: The
Reorientation of Sparks Street

David Jonathan Woodruff

Escaping the Asylum: Reimagining the
Architecture of Psychiatric Care

Michael Alex Yoshimura

Shotengai

Crystal Wan Jing Yung

Protest[ing]: The Architecture of Activism
and Resistance

Brooke Zacharuk

The Earth and Her Roots: Above + Below
Place-Thought

Master of Architectural Studies

(Presented by Professor Patrice Smith
Dean, Faculty of Graduate and Postdoctoral Affairs)

Amanda Lapointe

Respect, Acknowledge, Enhance. Towards
an Ethics of Adaptive Reuse; Critiquing the
Adaptive Reuse of an Ottawa Monastery

Master of Design

(Presented by Professor Patrice Smith
Dean, Faculty of Graduate and Postdoctoral Affairs)

Industrial Design

Maryam Attef

Improving the Efficiency and Capacity of
Virtual Genetics Clinics using Human Factors
Design Methods

Christel Ayoub

Ballet Pointe Shoe Discomfort: An Exploration
Through the use of Real-Time Assessments
while Performing en Pointe Movements

Carla June Ayukawa

Creating Inclusive Object Narratives for
Accessible Museum Exhibitions

Amina Balaa

Wayfinding Experience of Persons with
Autism Spectrum Disorder within a Museum
Context

Alanna Bamber

Designing Graphic Messages to Promote
Mental Health

Alexandra Close

Visual Thinking in Virtual Environments:
Evaluating Multidisciplinary Interaction
through Drawing Ideation in Real-Time
Remote Co-Design

Kayla Daigle

Improving Air Travel Comfort & Experience:
Designing for Infection Prevention and Control

Angela Fahlman

Analysis of the World Design Organization
World Design Challenge Program: Participant
Insights for an Improved Process

Maham Farooq

Segregated vs. Integrative Service Design
in Disability Sport Culture: A Case Study
on Recreational Sport Services in Higher
Education

Vincere Ip

Intergenerational User Experience with Digital
Memorial Artefacts

Guillermo Juarez-Bocanegra

Design for Recycling Behaviour - An
Exploratory Inquiry of Practical Applications

Samantha Lovelace

An Exploration of Factors Related to Design
Implementation in the Canadian Federal
Public Service

Alaa Hussein Makki

Design Method to Enhance Empathy for User-
Centered Design: Improving the Imagination
of the User Experience

Lindsay McCauley

Barriers to Accessibility for Skiing

Juan Raymundo Saavedra

An Undetectable Work-Ethic: Design
Activism's Detour into Subcultures of Queer
Disability and Innovation.

Samantha Paige Schneider

Design, Cooking, and Older Men

Eric James Wolfe

Knowledge Sharing Strategies for Smart
Architectural Development: Facilitating
Interdisciplinary Collaborative Design

Master of Information Technology

(Presented by Professor Patrice Smith
Dean, Faculty of Graduate and Postdoctoral Affairs)

Digital Media

Alexis Adolfo Amezaga Hechavarria

A Hybrid Learning Approach for Modelling
and Analyzing Clickstream Data from
Learning Management Systems
Specialization in Data Science

Theogene Bimenyimana

Using Machine Learning and Deep Learning
for Load Disaggregation and Recognition of
Activities in Household
Specialization in Data Science

Seyed Amir Ahmad Didehkhorsid

Performance Evaluation of Warped Virtual
Surfaces in Virtual Reality

Simon Eden-Walker

Abandoned Chip: Investigating Abandonment
of Commercial Wearables

Ayoub Gharbi

Empirical Research on Developing an
Educational Augmented Reality Authoring
Tool

Stanislav Kyian

Selection Performance Using a Smartphone
in VR with Redirected Input

Xiangyu Ma

AESMOTE: Adversarial Reinforcement
Learning with SMOTE for Anomaly Detection
Specialization in Data Science

Abdihakim Mohamed Mao

Using Smart and Secret Sharing for
Enhanced Authorized Access to Medical Data
in Blockchain

Ogechukwu Patrick Ngene

Artificial Intelligence Driven Optimal Route
Planning for Urban Transit
Specialization in Data Science

ThankGod Chinedu Obasi

Encrypted Network Traffic Classification
Using Ensemble Learning Techniques
Specialization in Data Science

Elaheh Samimi

Improving VR Selection using Progressive
Refinement with Multi-Touch Marking Menus

Jinay Gautamkumar Shah

Vector Embedding Techniques for Player
Behaviour in DOTA 2
Specialization in Data Science

Archika Sharma

Retail Customer and Market Proclivity
Assessment Using Historical Data and Social
Media Analytics
Specialization in Data Science

Chanpreet Singh

Using Data Analysis and Machine Learning for
Studying and Predicting Depression in Users
on Social Media
Specialization in Data Science

Eduardo Alberto Soto

Text Entry in Virtual Reality; Implementation
of FLIK method and Text Entry Test-Bed

Diego Fernando Zambrano Guerrero

Comparative Analysis Aimed at Optimization
and Visualization of BIM for VR Applications.

Chang An Zhu

Perceiver – A Five-View Stereo System for
High-Quality Disparity Generation and Its
Application in Video Post-Production

Network Technology

Rana Abou Khamis

Evaluating Adversarial Learning on
Different Types of Deep Learning-Based
Intrusion Detection Systems Using Min-Max
Optimization

Maxwell Ekow Okine Andah

Yasir Adlan Ahmed Elhardallu

Abirami Gounassegarane

Vidushi Gupta

Fahmida Haque

Alireza Hosseini Vasoukolaei

TLS Performance Evaluation in the Control
Plane of a 5G Core Network Slice

Tanzila Jamil

Renil Dineshbhai Katrodiya

Houssam Kayyali

Hantao Liu

Flexi-Compression: A Flexible Model
Compression Method for Autonomous Driving

Ramy Maarouf

Evaluating Adversarial Learning Resilience on
Various Encrypted Traffic Classifications

Mirarash Pajoom

Diksha Saini

Ricky Wijaya Siek

Wilfredo Alejandro Tovar Hidalgo

Dengpan Wang

Research and Development of Porting
SYCL on QNX Operating System for High
Parallelism

Iman Zafarparandeh

Graduate Diploma in Architectural Conservation

(Presented by Professor Patrice Smith
Dean, Faculty of Graduate and Postdoctoral Affairs)

Farah Aqrabawi

Alice Clair Fudge

Robin Grace Hoytema

Nivethini Jekku Einkaran

Shivani Kaul

Otmar George Melhado

Kamal Raftani

Bachelor of Architectural Studies

(Presented by Associate Professor Johan Voordouw
Associate Director, Azrieli School of Architecture and Urbanism)

Adam William Achtenberg

Urbanism
Co-operative Education

Dana Marie-Claire Adamus

With Distinction
Design

Anissa Alami Merrouni

Urbanism

Alexis John Almacin

Design

Salman Al-Shawaf

Design
with Study Term Abroad

Evan David Andrews

With High Distinction
Design

Nur Ashrina Binti Ashri

Design

Jessica Catherine Babe

With High Distinction
Conservation and Sustainability

Kito Dakota Ballentyne

Design

David Bastien-Allard

Design

Kseniia Beliaeva

With Distinction
Conservation and Sustainability
Co-operative Education

Mary Claire Bodrug

Conservation and Sustainability

Odessa Marie Boehm

With High Distinction
Design

Melissa Jean Brady

With Distinction
Conservation and Sustainability
Co-operative Education

Rachel K. Bricknell

Conservation and Sustainability
with Study Term Abroad

Victoria Lise Joanne Broadfoot

Urbanism
Minor in Environmental Studies and Minor in
Geography

Zoë Alexandra Burgess

Design
Minor in Business

Mira Burghed

With High Distinction
Design
Minor in Archaeology

Jonathan Caron

With High Distinction
Design
with Study Term Abroad

James Caruso

With High Distinction
Design
with Study Term Abroad

Colton Jared Chehowy

Design

Zarina Abdulla Chekh-Akhmad

Design

Michael Edward Chopowick

With Distinction
Design

Jerry Yan-Yu Chow

With High Distinction
Design
Co-operative Education
with Study Term Abroad

Marisa Mendes Cordeiro

Urbanism
Minor in Geography

Celeste Winona Correia

Urbanism

Isabelle Anne Cote

With High Distinction
Design

Nicole Carine Coutinho

Urbanism

Sarania Camala Dabee

With Distinction
Urbanism

Lauren M. Daniels

Design
Co-operative Education

Vanessa Paola De Alexandris

Conservation and Sustainability

Rubin Elliot De Jonge

Design

Connor Marks Maclauchlan DeJonge

Design

Kathryn Janine Dekraker

With High Distinction
Design
Co-operative Education

Catherine Dela Cruz

With Distinction
Urbanism

Mathieu Mark Denis

With Distinction
Design
Minor in Sociology

Miriam Doyle

With High Distinction
Design

Maitreyi Duraippah

Design

Jimmy Ear

With High Distinction
Design

Emily Ann Eikeland

Design

Aisha El Shennawy

Design

Bryce Jacob Engberts

With Distinction
Conservation and Sustainability

Gregorius Erico

With Distinction
Urbanism
Co-operative Education

Maria Alejandra Fajardo Naranjo

Urbanism

Elizabeth Farrell

With High Distinction
Design

Quinn Michael Feeney

Conservation and Sustainability

Monika Fijalkowski

Design

Matthew Robert Gillard

Design
Co-operative Education

Leandra Jill Goettmann

With Distinction
Design
Minor in Philosophy

Catherine Gomez Mederos

Design

Hope Good

Conservation and Sustainability

Sarah Ann Goodman

With Distinction
Design
Minor in Art History

Landers Chaplin Gordon

With High Distinction
Design
with Study Term Abroad

Sach Singh Grewal

Design
Co-operative Education

Zakir Hamza

Design

Mary Hanna
Conservation and Sustainability

Hassan Al Taher Hannawi
Conservation and Sustainability

Myles Alan Gabriel Hardy-Kavanagh
With High Distinction
Design

Thilina Parakrama Herath
Design

Enid Huang
With Distinction
Design

Teagan Leigh McPherson Hyndman
With High Distinction
Conservation and Sustainability

Amreen Imran
Design

Kaleigh Constance Jeffrey
With High Distinction
Design

Lauren Elizabeth Johnson
With Distinction
Conservation and Sustainability

Jo-Anne Christelle Joseph-Francois
Design

Semin Jung
Design

Hee Su Kang
Design

Petros Philippos Kapetanakis
With High Distinction
Design

Sami Karimi
Conservation and Sustainability

Jaron Kasiban
Urbanism

Charlotte Keskinen-Keith
With Distinction
Design

Tahsin Safa Khan
Design

Yana Kigel
Design

Yun Seok Kim
Design

Federico Lacasia
Conservation and Sustainability

Juliana Lacerda de Oliveira
Design

Cheshta Lalit
Urbanism
Co-operative Education

Emily Lalonde
With Distinction
Design

Alexander Silvio Philippe Lamarche
With Distinction
Design
Co-operative Education
with Study Term Abroad

Kim Cherutai Langat
With Distinction
Design

Jonathan Spencer Lapko
Conservation and Sustainability

Tiffany Wing Yee Lau
With High Distinction
Design
with Study Term Abroad

Arielle Miranda Lavine
With Distinction
Design
Co-operative Education
with Study Term Abroad

Hayeon Lee
Design

Natasha Lemire-Waite
With Distinction
Conservation and Sustainability
with Study Term Abroad

Jixuan Li
Design

Guanlin Li
Design

Lauren Alexandra Liebe
With Distinction
Conservation and Sustainability

Ashlin Lianne Lithgow
With Distinction
Design

Merissa Tudhope Lompart
With Distinction
Conservation and Sustainability
Minor in Archaeology

Noah Alexander Losani
Design

Calista Rachel Loten
With High Distinction
Design

Alexandra Nicole Kaylee Lyn
With High Distinction
Urbanism
with Study Term Abroad

Jasmin Maaghop
Design

Nadia Maarouf
Design

Kaleigh Mackay
Conservation and Sustainability
Co-operative Education

Aidan Alexander Hamilton MacNaull

With Distinction
Design

Cameron Maiolo

With Distinction
Design

Abir Makki

Urbanism

Jeremiah Tagarino Mangilit

Urbanism

Rick Edward Martell

With Distinction
Design

Sonia Mataj

With High Distinction
Design

Ashwinsubramaniyan Meenakshisundaram

With Distinction
Design

Jessica Mendoza

Conservation and Sustainability
Co-operative Education

Mark Joseph Meneguzzi

With High Distinction
Design

Alec Quinn Meneses

Design

Arkoun Merchant

Conservation and Sustainability

Zundi Miao

Design

Alexandra Miller

With High Distinction
Design

Jessica Clarisse Miranda

Conservation and Sustainability

Danica Mitric

With Distinction
Conservation and Sustainability
Co-operative Education

Arslan Muhammad Abbas

Design

Danielle Nastassja Marie Myronyk

Design
Co-operative Education

Red Tameko Narvasa

With Distinction
Design

Danielle Wanjiku Odongo

Conservation and Sustainability
Co-operative Education

Luis Daniel Panchi Galvan

Conservation and Sustainability

Jaykumar Hiteshkumar Patel

Urbanism
Co-operative Education

Maya Alexandra Perez

Design

Sarah Elizabeth Pitoscia

Design

Elta Pulti

Design

Dylan D. Rachpaul

Design

Pamela Reid

Design

Hilary Frances Romaniuk

With High Distinction
Design

Angelica Valentina Ruiz Rodriguez

Design
with Study Term Abroad

Waise Sahel

Urbanism

Razisan Sasikaran

Urbanism
Co-operative Education

Stephen Scanlan

Design
with Study Term Abroad

Lara Sedele

Design

Isabel Serna-Moll

Design

Priyanka Chirag Shah

With High Distinction
Design

Lauren Elizabeth Sharpe

With Distinction
Design
Co-operative Education

McKean Shave

With Distinction
Design
Minor in Archaeology

Brandon Frederick Glenn Smith

With Distinction
Design

Madelaine Snelgrove

Urbanism

Rebecca J. Sondermeyer

Conservation and Sustainability

Tharmina Srikantharajah

Design
Minor in History and Theory of Architecture

Goce Stojanoski

With Distinction
Design

Noah Zachary Sunga
With High Distinction
Conservation and Sustainability
Co-operative Education

Eilidh Lauren Taylor Sutherland
With High Distinction
Design

Cheuk Yiu Tang
With High Distinction
Design
Co-operative Education

Salome Teran
With Distinction
Design

Laura Anna Tobin
Design

Brandon Robert Todd
With Distinction
Design

Karen Valeria Trivino Arenas
With High Distinction
Design
with Study Term Abroad

Joyce C. Unaegbu
Design

Jessica Isabel Haas Valenti
Design

Tylar James Verbancic
Design

Khadija Waheed
Conservation and Sustainability
Co-operative Education

Sam Waiganjo
Urbanism

Carlee Joan Wale
Conservation and Sustainability

Nadisha Wanniarachchige
Urbanism
Co-operative Education

Jillian Weinberger
With High Distinction
Design

Katherine Ashley Wilson
With High Distinction
Conservation and Sustainability
Co-operative Education

Jamie David Wong
Design
Co-operative Education

Bryson Wood
With Distinction
Design

Wei Chao Wu
Design

Britney Yan
With Distinction
Design

Yongmin Ye
With Distinction
Design
with Study Term Abroad

Run Di Yuan
With High Distinction
Design

Ruo Yang Zhang
Conservation and Sustainability

Xinyi Zhou
Design

Bachelor of Industrial Design

(Presented by Associate Professor Bjarki Hallgrímsson
Director, School of Industrial Design)

Bautista Maria Abascal Vedoya
With Distinction
with Study Term Abroad

Yassin Kevin Abdullah

Mohammad Wasseem Talha Al-Idrissi

Sarah Rose Allahmoradi
Minor in Technology, Society, and
Environment Studies

Maxine Arbez Cheung
With Distinction
Minor in Entrepreneurship
Co-operative Education

Katherine Ann Barrett
With Distinction
with Study Term Abroad

Iain James Cameron Brooksbank

Catherine Marie Caetano-Macdonell
Minor in Technology, Society, and
Environment Studies

Jordan Evan Chin
With High Distinction
Minor in Psychology

Brennan Jing Man Chiu

Mijung Choi
Marek Arjun Chopra
With Distinction
with Study Term Abroad

Monika Danh
with Study Term Abroad

Tatum Louise Dietrich
With Distinction

Isabelle Julienne Dufour
With High Distinction
with Study Term Abroad

Riley Evan Lockerbie Dyment
With Distinction

Patrick El Sayegh

Claire Evans
With High Distinction

Heidi Evans
With High Distinction
with Study Term Abroad

Omar Ibrahim Salah Fakhuri

Qichen Fan
With High Distinction

Christopher Owen Froggett

Callum Spellacy Goncalves

Emily Joan Gray
With High Distinction
Minor in Business

Omar Haji Egeh

Isabella Carmen Hall
Minor in Entrepreneurship

Kaj Bjarki Hallgrimsson
With High Distinction
with Study Term Abroad

Moonkyung Heo
With High Distinction

Mandy Zoe Hui
With High Distinction

Khaliq Husayn Aquil Januwalla

Calum Theodore Jeacle
Minor in Music

Hannah Jane Jolley
Minor in Psychology

Allison Kachala
Co-operative Education

Christina Heejae Kim

Alexandar Kulic

Gabriel Luca Laudisa

Sunghyun Lee

June Soo Andrew Lee

Jessica Siu Ching Lee
With Distinction

Vivian Mei Ling Lee

Tynan Leong-Best
Minor in Psychology

Aidan Linton

Jordan Benjamin Linton

Justin Whalen Low
With High Distinction

Ayelet Chen Lustgarten
With High Distinction

Curtis James George MacDonald

Esraa Mahgoub

Rylan Manning

Ramez Mardini

Emma Christina Massey

Jenna McMullen
With High Distinction

Liana Siina Meere
With High Distinction

Yasmin Maliha Mehdi
With Distinction
Minor in Entrepreneurship

Olivia Meyer

Sina Mohsenimanesh

Matthew Aaron Moore

Mina Morcos
With High Distinction

Sophia Hiromi Shah Nakashima
With High Distinction
with Study Term Abroad

Chimzuruoke Ifeanyichukwu Nebo
Minor in Business
Co-operative Education

Senafa Burgess Noudehou
Minor in Entrepreneurship
Co-operative Education

Brendan Paul John O'Brien

An Van Pham
With Distinction
with Study Term Abroad

Eric Ross Pond
With Distinction
Co-operative Education

Denise Wenkay Pong
With High Distinction
with Study Term Abroad

Connor Ross Pritchard

Robert Read

Yasmine Riachi

Stephanie Richer
With High Distinction

Kelsey Alana Rozon

Bashir Ahmed Saidi

Anthony Alexander Salahor
With High Distinction

Julia Gabriella Schnarr
With High Distinction

Matthew David Schuetz

Margaret Louise Schweltnus
With High Distinction

Sarah Seaifan
Geemal Sevathean
Bilal Sidiqi
 Minor in Business
Nathan Chun-Kit Siu
 With High Distinction
 with Study Term Abroad
Adam Smith
 With High Distinction
 with Study Term Abroad
Victoria Smith
Molly Hazel Duffy Surette
 With High Distinction
Alura Sutherland
 With High Distinction
Sofia Tapia Buchelli
 With High Distinction
Madeline Campbell Thomas
 With High Distinction
 Minor in Psychology
 Co-operative Education
Jacqueline Truong
 With Distinction
 Minor in French and Minor in Psychology
 Co-operative Education
Stephen Peter Turcot
Stephan Tzolov
 Minor in Biology and Minor in Chemistry

Andres Vasquez Valiente
 Minor in Business
Anna Verhoeven
 With High Distinction
Imasha Naomi Walatara
Jiaying Wang
Xinyu Wang
Patrick Watt
Charles Watters (Posthumous)
Eric Douglas Whyte
 with Study Term Abroad
Joah Marlee Wiltse
Meagan Katlyn Wittenberg
 With High Distinction
 Minor in Business
Jason Yi Lok Wong
Tyler Malcolm Worden
Rodney Macmullin Wright
 With Distinction
 Minor in Business
Alexander Ryan Young-Davies
 With High Distinction
Zeming Yu
 With High Distinction
 Minor in Business

Bachelor of Information Technology

(Presented by Professor Ashraf Matrawy
 Associate Director Graduate Studies, School of Information Technology)

Yousef Abdel Rahman
 Interactive Multimedia and Design
Iman Adburahman
 Information Resource Management
 Minor in Psychology
Eric Owusu Adu-Boahene
 Network Technology
Ramah Hamza Al Aidie
 Interactive Multimedia and Design
Leyalee Alsaadi
 Interactive Multimedia and Design
Hafssa Hamid Kareem Al-Zaidi
 Information Resource Management
 Minor in Psychology
Ann Amin
 Interactive Multimedia and Design
Elsie Chek Yeng Ao
 Interactive Multimedia and Design
Mamadou Ba
 Network Technology

Esam Baaio
 Network Technology
Arina Bagdasaryan
 Interactive Multimedia and Design
Hatim Bakkali
 Network Technology
Adam Daniel Barnfather
 Photonics and Laser Technology
Hadja Barry
 Photonics and Laser Technology
Sarah Barssoum
 Information Resource Management
 Minor in Design
Matthew James Bell
 Interactive Multimedia and Design
 Co-operative Education
Adama Jan Richard Bertrand
 Photonics and Laser Technology

Geoffrey Bevan

With Distinction
Photonics and Laser Technology
Co-operative Education

Jacob Côté Bryant

Interactive Multimedia and Design

Vincent Bugler

Information Resource Management
Minor in English

Zeina Fawzy Bukhari

Interactive Multimedia and Design

Jessica Kristen Burns

Network Technology

Jordan Kevin Bush

With Distinction
Network Technology
Co-operative Education

Christa Buttera

With High Distinction
Interactive Multimedia and Design
Co-operative Education

Alyssa Eve Byer

Interactive Multimedia and Design

Domenic Caminiti

Network Technology

Sara Caroline Cavasotto

Interactive Multimedia and Design

Ishan Chaurasia

Network Technology

Nickolas Robert Chojnacki

Interactive Multimedia and Design

Alexander Fredrick Cole

Network Technology

Maria Elizabeth Conway

Network Technology

Rowan Elizabeth Cummings

Interactive Multimedia and Design

Nicholas Dalrymple-Alford

Interactive Multimedia and Design

Antoinella Nhat Vy Dam

With Distinction
Interactive Multimedia and Design
Co-operative Education

Philippe Owen Davies

With Distinction
Network Technology
Co-operative Education

Gabriel Di Fruscio

With High Distinction
Network Technology
Co-operative Education

Favour Diokpo

Interactive Multimedia and Design

Matthew Donoghue

With High Distinction
Interactive Multimedia and Design
Co-operative Education

Etienne Doucet-Leger

Interactive Multimedia and Design

Dawn Marie Eggleton

With Distinction
Interactive Multimedia and Design
Co-operative Education

Omar El Tayara

Interactive Multimedia and Design

Tooba Fahd

Interactive Multimedia and Design

Mareme Fall

With High Distinction
Network Technology

William Ferguson

Interactive Multimedia and Design

Chen Gwynn Gabutero

Network Technology

Riley Winston Gaffarena

Network Technology

Alejandro Garcia

Information Resource Management
Minor in Anthropology

Sam Georgopoulos

Network Technology

Ryan Nicholas Gerrard

Network Technology

Reed Andrew Edward Golden

Network Technology

John Goodman

Interactive Multimedia and Design

Anna Christina Goodman

With High Distinction
Interactive Multimedia and Design

Chelsea Guindon

Interactive Multimedia and Design

Fatima Hachem

With Distinction
Interactive Multimedia and Design
Co-operative Education

Kalia Guy Hameiri

With Distinction
Interactive Multimedia and Design
Co-operative Education

Max David Hanson

Network Technology

Matthew Ryan Marc Harland

Photonics and Laser Technology

Heather Hennessey

Interactive Multimedia and Design
Co-operative Education

Quinn J. Henschel
Interactive Multimedia and Design
Co-operative Education

Victoria Mary Highet
Interactive Multimedia and Design

Tuyet Mai Hong
Interactive Multimedia and Design
Minor in Design

Robert Horumba
Network Technology

James Houseman
With High Distinction
Network Technology
Co-operative Education

Jacqueline Huang
Interactive Multimedia and Design

Samuel Chukwudi Iwuno
Network Technology

Jonathan Garrett Jackson
Interactive Multimedia and Design

Jonah Richard Janakovic
Interactive Multimedia and Design

Jacob Janes
Network Technology

Guillaume Jeon
Interactive Multimedia and Design

Joshua Andrew Jowett
Network Technology

Chris Sadar Jure
Network Technology

Selby Albert Juskans
Interactive Multimedia and Design

Alireza Karami
Network Technology

Mohamed Khalladi
Photonics and Laser Technology

Hanzla Azhar Khan
Interactive Multimedia and Design

Brandyn Khastar
Photonics and Laser Technology

Gregory Kingsbury
Network Technology

Japhet Kisenga Kilufia
Photonics and Laser Technology

Mitchell Koch
With Distinction
Interactive Multimedia and Design
Co-operative Education

Oluwafolakemi Toritsemofe Koku
Photonics and Laser Technology

Shaun Allen Korba
Interactive Multimedia and Design

Alexandre Lacasse
Network Technology

Eric Michael Lacey
Interactive Multimedia and Design
Co-operative Education

Larry Wei Fei Lam
Interactive Multimedia and Design

Nathan Law
Interactive Multimedia and Design

Riley Maxwell Lawson
Photonics and Laser Technology
Co-operative Education

David Liu
With High Distinction
Photonics and Laser Technology
Co-operative Education

Nicholas James Liznick
Interactive Multimedia and Design

Kristopher Lloyd
With Distinction
Network Technology
Co-operative Education

Priscilla Yee-Lam Lo
With High Distinction
Interactive Multimedia and Design
Minor in Psychology
Co-operative Education

Alexandra Loupova
With High Distinction
Information Resource Management
Minor in Political Science

Elizabeth Major
With High Distinction
Photonics and Laser Technology
Co-operative Education

Emily Jean Marie Mallett
Network Technology
Co-operative Education

Jose Martin Manadan
Network Technology

Amanda Mankal
Interactive Multimedia and Design

Sabiha Lutfiya Mannan
Interactive Multimedia and Design

Kyler Manseau
With Distinction
Network Technology
Co-operative Education

Colin McCulloch
With High Distinction
Network Technology

Amanda Lyne McLeod
With High Distinction
Interactive Multimedia and Design

Darshani Radhika Mehta
Interactive Multimedia and Design

Christina Anne Merpaw
Interactive Multimedia and Design

Vanessa Mfurayabo
Information Resource Management
Minor in Psychology

Dahlia Migahed
Network Technology

Ayan J. Mohamed
Network Technology

Pranav Mohanan
Photonics and Laser Technology

Nicolas Monet
Interactive Multimedia and Design

Rochelle Joan Moore
Interactive Multimedia and Design

Eric Daniel Moore
Interactive Multimedia and Design

Conor Ewan Mulcahy
With Distinction
Interactive Multimedia and Design

Cassandra Mulder
With High Distinction
Information Resource Management
Minor in Business
Co-operative Education

Shuaib Munshi
Network Technology

Ryan Robert Murdoch
With High Distinction
Photonics and Laser Technology

Retaj Naas
Network Technology

Joshua Edouard Nelson
Network Technology

Aleks Patrisio Neyra Alvarado
Network Technology

Yui Jhun Ng
Interactive Multimedia and Design

Hoang Thach Thao Nguyen
Interactive Multimedia and Design

Nisson Nie Chen
Network Technology

Dean Ian Ojeda
Network Technology

Suaad Aderayo Oloso
Photonics and Laser Technology

Alparslan Ahmed Ozturk
With Distinction
Information Resource Management
Minor in Business

Olga Paromenskaya
Interactive Multimedia and Design

Aleksandr Paromenskiy
Interactive Multimedia and Design

Jacob Rodney Crone Pelchat
With High Distinction
Network Technology
Co-operative Education

Reece Pillinger
Network Technology

Jared David Spencer Pitblado
Network Technology
Co-operative Education

Ricky Ka Ming Poon
With Distinction
Network Technology
Co-operative Education

Isabelle Potvin
With High Distinction
Interactive Multimedia and Design
Co-operative Education

Dhanud Sajana Premasiri
Interactive Multimedia and Design

Dante Provenzano
Network Technology

Emily Prum
Interactive Multimedia and Design

Carlos Ramirez
Network Technology

Corey Daniel Ripley
Network Technology
Co-operative Education

Jonathan Peter Robertson
Network Technology

Jacob Richard Ross
Interactive Multimedia and Design

Neeharika Roy
Interactive Multimedia and Design

Deka Said
Interactive Multimedia and Design

Nerly Felishia Edna Saint-Fleur
Interactive Multimedia and Design

Ethan James Sandwell
Network Technology

Ryan Segaert
Information Resource Management
Minor in Digital Humanities

Aidan Seguin-McPeake
Network Technology
Co-operative Education

Andrew James Selfridge
With High Distinction
Interactive Multimedia and Design
Co-operative Education

Shane Shuster
With Distinction
Network Technology

Padraigh Ariel Sinasac
Interactive Multimedia and Design

Devin John Archie Sloan
Network Technology
Co-operative Education

Naomi Solomon
Photonics and Laser Technology

Kathleen Niamh Cronin Spence
Interactive Multimedia and Design

Konrad Stanicki
With High Distinction
Network Technology
Co-operative Education

Braeden Stillabower
Interactive Multimedia and Design

Ryan James Sylvester
Interactive Multimedia and Design

Calvin Tam
Interactive Multimedia and Design

Alvin Tam
Network Technology

Seth Thomson
Network Technology
Minor in Drama Studies

Matthew John Threader
Interactive Multimedia and Design

Alexis Dawn Tiessen
Interactive Multimedia and Design

Braeden Michael Manery Timlin
Interactive Multimedia and Design
Co-operative Education

Sara Tolba
Information Resource Management
Minor in Psychology

Jonathan Toppari
Network Technology
Co-operative Education

Ryan Paul Totten
Network Technology

Jacob Andre Tynski
Interactive Multimedia and Design

Kaide Van
With Distinction
Interactive Multimedia and Design
Co-operative Education

Alexandru Viman
Network Technology

Maxime Vincent
Interactive Multimedia and Design
Co-operative Education

Alexander Vongsouneth-Vo
Network Technology

Cole Elliot Walker
With High Distinction
Network Technology
Co-operative Education

Jiachen Wang
Photonics and Laser Technology
Co-operative Education

Gregory Clifford Walter Wardle
Photonics and Laser Technology

Sven Helmus Whitesell
Interactive Multimedia and Design

Tiffany Jasmine Nicole Wiebe
Interactive Multimedia and Design

Priscilla Wei-En Wong
Interactive Multimedia and Design

Joshua Wong
Network Technology

Zhenhao Xu
Photonics and Laser Technology
Co-operative Education

Benny Yang
Interactive Multimedia and Design

YuFeng Yao
Interactive Multimedia and Design

Owen Yuen
Network Technology
Co-operative Education

Michael Winston Yuen
Photonics and Laser Technology
Co-operative Education

Thomas Yungblut
Network Technology

Caleb Alexander Zavits
Network Technology

Jacob Zachary Zivontsis
Photonics and Laser Technology

Ceremony 12

Wednesday, June 15, 5:15 p.m.

Convocation Speaker

Larry W. Kostiuk

Dean, Faculty of Engineering and Design



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

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

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

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

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

Order of Proceedings

Ceremony 12

Wednesday, June 15, 5:15 p.m.

President and Vice-Chancellor Benoit-Antoine Bacon, Ph.D., presiding

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

Processional Music

Opening Ceremony Video

Elder Irene Barbeau
Cree Nation

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

Introduction by the Master of Ceremonies

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

Convocation Address

Larry Kostiuik, Dean, Faculty of Engineering and Design

Conferring of Degrees and Awarding of Medals

Warrant
Betina Appel Kuzmarov, *Ph.D.*
Marshal of Convocation

Closing Address by the President and Vice-Chancellor

Benoit-Antoine Bacon, *Ph.D.*

Recessional Music

Doctor of Philosophy

(Presented by Professor Patrice Smith
Dean, Faculty of Graduate and Postdoctoral Affairs)

Electrical and Computer Engineering

Rawan Alkurd

Big Data-Driven AI-based Wireless Network Personalization
Supervisors: H. Yanikomeroglu and I. Abualhaol

Ibrahim Almohimeed

Design and Construction of a Double-Layer PVDF Wearable Ultrasonic Sensor for the Quantitative Assessment of Muscle Contractile Properties
Supervisor: Y. Ono

Salime Bameri

Perfect Self-Interference Cancellation in Channel-Unaware Two-Way Relay Networks
Supervisors: R. Gohary and S. Talebi

Remziye Irem Bor-Yaliniz

Using Mobility for Agility: Enhancing Wireless Networks with Aerial Access Nodes and User Involvement
Supervisor: H. Yanikomeroglu

Hossein Mohamad Chahrour

Signal Processing Methods in Riemannian Geometry with Application to Drone Detection
Supervisors: R. Dansereau and S. Rajan

Ahmad Eldahshan

Slow Wave Transmission Lines Used as Integrated Inductors with Improved Performance
Supervisors: C. Plett and R. Amaya

Fereshteh Fakhra Firouzeh

Sparse Recovery, Classification, and Data Compression via Improved Maximum Feasible Subsystem Algorithms
Supervisors: J. Chinneck and S. Rajan

Ali Farsiabi

Code-Independent Error Floor Estimation Techniques for Flooding and Layered Decoders of LDPC Codes
Supervisor: A. Banihashemi

Dusan Gostimirovic

Silicon Photonics for Next-Generation Optical Processing and Communications
Supervisor: W. Ye

Wafa Othman Ahmad Hasanain

Analysis and Maintainability of Complex Industry Test Code Using Clone Detection
Supervisor: Y. Labiche

Jila Hosseinkhani

Gradual Saliency Detection in Video Sequences Using Bottom-up Attributes
Supervisor: C. Joslin

Zahra Jahedi

Simple and Scalable Approach for Virtualized Network Function Placement in Wireless Multi-hop Networks
Supervisor: T. Kunz

Nima Javanbakht

Analysis and Design of Low-Profile Reconfigurable Leaky-Wave Antennas Based on Substrate Integrated Waveguide for 5G Millimeter-Wave Applications
Supervisors: B. Syrett and R. Amaya and J. Shaker

Jing Jin

Advanced Neural Network Modeling and Electromagnetic Optimization Approaches for Microwave Passive Components
Supervisors: Q. Zhang and J. Ma
In Cotutelle with Tianjin University

Bashirreza Karimi

Construction of QC-LDPC Codes with Low Error Floor by Efficient Systematic Search and Elimination of Trapping Sets
Supervisor: A. Banihashemi

Shuxia Li

Integration of Electronics and Planar Waveguide Photonics in the Silicon-On-Insulator Platform
Supervisors: G. Tarr and W. Ye

Fu Liu

All-Optical Ultrafast Switches Based on Thin Film Coated-Tilted Fiber Bragg Grating
Supervisor: J. Albert

Tayebeh Lotfi Mahyari

Image Separation using Multi-layer Image Segmentation for Translucent Partially Overlapped Objects
Supervisor: R. Dansereau

Sima Naseri

Error Floor Analysis of Quasi-Cyclic LDPC and Spatially Coupled-LDPC Codes and Construction of Codes with Low Error Floor
Supervisor: A. Banihashemi

Afsoon Nejati Aghdam

Real-Time Path Planning for Needle Insertion With Multiple Targets
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Peyman Neshaastegaran

Performance Enhancement of High Order LDPC Coded Modulation Systems with Application in Mobile Backhaul Networks
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Khoa Tran Duy Nguyen

Distributed and Parallel Metaheuristic-based Algorithms for Online Virtual Resource Allocation
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Nikolay Radimov

Modelling and Control of Inverters in a Single-Phase Nanogrid
Supervisor: X. Wang

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Secure Routing and Forwarding in RPL-based Internet of Things: Challenges and Solutions
Supervisors: A. Matrawy and C. Lung

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Development of an Integrated System for Automatic Tumor Detection for PET-CT Images
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Mitigating Security Problems in Virtualized Networks Through Resource Management
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Enhanced Design, Optimal Tuning, and Parallel Real-Time Implementation of Monocular Visual-Inertial-GNSS Navigation System
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Evolution of Multiobjective Neuromodulated Neurocontrollers for Multi-Robot Systems
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Procedurally-Generated Audio for Soft-Body Interactions
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Designing Multidimensional Constellations and Efficient Detection Schemes for Sparse Code Multiple Access (SCMA) Systems
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A Tunable Conjoined-Ring Vernier (CRV) TDC with Sub-picosecond Time Resolution and the Correction of Parallel-Output-Misalignment Effects
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ADMM Decoding of LDPC Codes: Simplification and Improvement
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A Deep Representation Learning Framework for Medical Imaging Data Analysis
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Deep Learning Methods for Abnormality Detection and Segmentation in Computed Tomography and Magnetic Resonance Images
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Cost-Effective Algorithms for the Controller Placement Problem in Software-Defined Multihop Wireless Networks
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Dajun Zhang

Performance Improvements in Software-Defined Vehicular Ad Hoc Networks
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Advanced Parametric Modeling and Yield Optimization Approaches for Microwave Passive Components
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Wei Zhang

Parametric Modeling and Optimization of Electromagnetic and Multiphysics Behaviors of Microwave Components
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Zhihao Zhao

Advanced Space Mapping and Artificial Neural Network-Based Techniques for Microwave Device Modeling
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Master of Applied Science

(Presented by Professor Patrice Smith
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Electrical and Computer Engineering

Zeynab Adibifard

Wideband Tunable Transmission-line N-path
Filter on CMOS 130 nm

Daniel Kwame Dapaah Afriyie

An Empirical Study Investigating the
Predictors of Software Metric Correlation in
Application Code and Test Code.

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Multi-Agent Fuzzy Reinforcement Learning
for Autonomous Vehicles

Yousef Ahmed Mohamed Gouda Alnagar

Non-Cooperative and Cooperative Caching
Schemes for Vehicular Networks

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Fluorinated Graphene Oxide Based
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Characteristic Mode Approach to
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Discrete Multitone Modulation for VSR and
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Modeling of Differential Stripline in the
Presence of Oblique Crossing Traces

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Multi-Layer Aperiodic Dielectric Stack
Structures for High Performance
Electromagnetic Spectral Shaping from mm-
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A Parallel Processing Technique for Filtering
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Olivier Courchesne

OMAP: Military Standard 1553B (MIL-STD-
1553B) Device Classification Framework. A
Comparative Approach Study

Jonathan Daigneault

Model and Algorithm for Real-Time Resource
Allocation in Fog Computing Networks

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Adaptive Learning For Model Driven Control
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Investigating Vibration Levels in Neonatal
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Static Metasurfaces Reflectors with
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Power Gain Optimization for Multiple Active
Multiple Passive Dipole Antenna Arrays

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Adaptive Transmission Techniques for Internet
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Parichehreh Firoozi Shahmirzadi

Computationally Efficient and Secure
Kronecker-based Compressive Sensing

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Ruggedized HMIC S-X Band Frequency
Converter for Severe Weather Tracking Radar

Bruno Gamero

Molecularly Imprinted Electroimpedance
Sensor for Detection of 8-isoprostane in
Exhaled Breath Condensate

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Dual-Wavelength Polarization Independent
Grating Coupler Design Based on Silicon-On-
Insulator

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Drone Characterization using Helicopter
Rotation Modulation (HERM) Line Signatures

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Theoretical Analysis of the Micro-optic Bottle
Resonator and its Applications

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Power Supply Induced Jitter Including the
Ground Bounce and Transmission Media
Effects

Osama Javaid

Autonomous Vehicle Navigation and
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Tags
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Exploiting Wi-Fi Channel State Information for
Artificial Intelligence-Based Human Activity
Recognition of Similar Dynamic Motions
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Ka-Band Single-Ended 3-Stack Power
Amplifier in 45-nm RF-SOI

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A Graph-Based Indexing Technique for
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Jaydip Dineshbhai Kathrotiya

Model-Order Reduction of Massively Coupled
Parameterized Systems via Clustering

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Novel Analog Devices & Techniques for 5G
Communication & Instrumentation Using
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A Novel Integrated Doherty Power Amplifier
at 28GHz

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Automatic Arterial Wall Detection and
Diameter Tracking Using M-mode Ultrasound

Rishil Kirankumar Lakhe

Universal Control of Permanent Magnet
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Dynamics

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Combining Node and Variable Selection
Heuristics for Faster MIP Solutions

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LEO Satellites and Frequency
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Increased Capacity in WDM & MDM Networks
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Fractional-N PLL-Based Frequency Synthesis
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Performance Analysis of the Jason Reasoning
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Dawei Ni

Transfer Learning for Fuzzy Actor-Critic
Learning via Fuzzy Rule Transfer

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Interpolatory Nonlinear Model Order
Reduction and its Application in Circuit
Simulation

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The Shielding Effectiveness of a Door and
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A Target Signature Synthesis Program

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Efficient Backhaul Design for 5G Ultra Dense
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Deep Reinforcement Learning, LSTMs and
Pointers for Downlink Scheduling in LTE

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Photonic Integrated Circuits for Application in
Optical Routing, Computing and Beamforming

Hamza Sadruddin

Enhancing Body-Mounted LiDAR SLAM using
an IMU-based Pedestrian Dead Reckoning
(PDR) Model

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A Data-Driven Approach to Evaluate the
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Machine Learning Algorithms for Identification
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Learning State-Based Behavior Using Deep
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Urban and Indoor Vehicular Navigation using
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