



2020

# Honours, Awards and Fellowships

*Prix, distinctions  
honorifiques et  
fellowship*

Canadian Society for  
Civil Engineering



Société canadienne  
de génie civil

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**UNIVERSITY OF WATERLOO**  
**FACULTY OF ENGINEERING**  
Department of Civil &  
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## **FOREWORD**

The Canadian Society for Civil Engineering has a long-standing tradition of recognizing members for their career achievements and for the excellence of their technical papers. This year, thirteen members are distinguished through their election as Fellows and five are receiving awards for career achievements in their special areas of civil engineering. The Society is granting an Award for Governmental Leadership in Sustainable Infrastructure and a Young Professional Engineering Award. As well, the authors of five technical papers will be receiving best paper awards, one of which, the Sir Casimir Gzowski Medal, is Canada's oldest civil engineering award.

This booklet summarizes the career achievements of the recipients of the various honours, awards and fellowships, contributions to the Canadian Society for Civil engineering, and lists many of the past winners of awards. On behalf of the Board of Directors and all members of the Society, I extend my heart-felt congratulations to all awards recipients.

**Michel Khouday,**

President

## **AVANT-PROPOS**

À la Société canadienne de génie civil, la reconnaissance des membres pour leurs réalisations de carrière et pour l'excellence de leurs communications techniques s'inscrit dans une longue tradition. Cette année, ce sont treize membres qui sont honorés avec leur admission au Fellowship, et cinq autres qui se distinguent par leurs réalisations de carrière dans leurs domaines spécifiques de génie civil. La Société remet un prix pour le leadership gouvernemental en infrastructures durables et un prix pour un jeune ingénieur professionnel. Également, les auteurs de cinq articles techniques recevront des distinctions pour la meilleure communication technique. Parmi celles-ci, notons la médaille Sir Casimir Gzowski, le prix canadien le plus ancien dans l'industrie du génie civil.

Cette brochure résume les carrières de nos nouveaux Fellows et lauréats, souligne les contributions particulières à la Société canadienne de génie civil, et contient les noms de plusieurs anciens lauréats des divers prix. Au nom du conseil d'administration et de tous les membres de la Société, j'offre mes félicitations les plus chaleureuses à tous les récipiendaires.

**Michel Khouday,**

Président

## **CSCE STUDENT MEMBERS**

Every spring at the CSCE Annual Conference, we have the privilege of listening to some very notable and professional student papers. We also take this time to recognize the CSCE Student Chapters for their efforts in supporting their fellow civil engineering students, for growing their networks and of course their participation in the renowned Student Competitions.

In these most unusual circumstances and with much regret, CSCE has cancelled all of these celebrations in light of the global pandemic.

While we are proud to do our part as responsible citizens, we do not in any way want to dismiss the efforts that have been put in to all of these initiatives.

We are honoured to have received student paper submissions and student team applications for the competitions. We are also very privileged and grateful for the efforts put forth by our Student Members, our Committees, colleagues and friends.

Thank you all and stay well.

**Michel Khouday,**  
President

## **MEMBRES ÉTUDIANTS DE LA SCGC**

Chaque printemps, au congrès annuel de la SCGC, nous avons le privilège d'assister à la présentation de communications étudiantes remarquables et très professionnelles. Nous profitons également de cette occasion pour rendre hommage aux chapitres étudiants de la SCGC pour leurs efforts afin de soutenir leurs confrères étudiants en génie civil, pour élargir leurs réseaux et, bien entendu, susciter leur participation en grand nombre aux célèbres concours étudiants.

Dans le contexte exceptionnel qui prévaut actuellement, et avec beaucoup de regret, la SCGC a dû annuler toutes ces activités en raison de la pandémie mondiale.

Malgré notre fierté de contribuer à la santé publique comme société responsable, nous ne voulons en aucun cas passer sous silence tout le travail qui a été investi dans ces initiatives.

Nous sommes honorés d'avoir reçu les soumissions de communications étudiantes et les inscriptions d'équipes étudiantes aux concours. Nous sommes également très fiers et reconnaissants des efforts déployés par nos membres étudiants, nos comités, nos collègues et amis.

Un grand merci à tous et toutes et, surtout, préservez votre santé

**Michel Khouday,**  
Président



## BING CHEN

Bing Chen is Professor and Head of Department of Civil Engineering and Director of Northern Region Persistent Organic Pollution Control (NRPOP) Laboratory at the Memorial University of Newfoundland. He is also the founding Director of the global Network on Persistent, Emerging and Organic PoLLution in the Environment (PEOPLE). After receiving his Ph.D. degree from the University of Regina, he continued his research at the University of British Columbia as a NSERC postdoctoral fellow before joining Memorial in 2006.

Dr. Chen is an internationally respected leader in environmental engineering research with exemplary achievements in environmental emergency (e.g., on/off shore oil spills) responses and wastewater treatment. He has produced over 340 refereed journal and conference publications, 3 books and 6 patents/disclosures, gave over and trained over 60 thesis-based graduate students and PDFs. He is a registered Professional Engineer in Newfoundland and Labrador (NL) and has served as Senior Advisor of the United Nations Development Programme, Vice-President of the Canadian Association on Water Quality, Member of the Royal Society of Canada's Expert Panel, associate editor or editorial member of 5 refereed journals, and adjunct/visiting professor of 6 institutions worldwide.

Dr. Chen has contributed to Canada's civil engineering profession especially by his long-time service to the Canadian Society for Civil Engineering (CSCE) in various leading roles, e.g., Vice-President International, NL Section Chair, and Environmental Division Vice-Chair. He was inducted to the Royal Society of Canada's College and received many awards such as Water Environment Federation A.S. Bedell Award and Terra Nova Young Innovator Award.



## GRAHAM GAGNON

Dr. Graham Gagnon (B. Env.Eng., Guelph, 1993; Ph.D. Eng. Waterloo, 1998) is a leader in clean water studies whose research has put Atlantic Canada on the world water stage. Associate Vice President Research, Director of the Centre for Water Resources Studies and NSERC/Halifax Water Industrial Research Chair, Dr. Gagnon has generated over \$38M in research funding related to water research priorities at Dalhousie University. His work has helped to shape regional, national, and international government policies.

Dr. Gagnon is proud to be a member of Engineers Nova Scotia, American Water Works Association (AWWA), American Chemical Society (ACS), Canadian Society for Civil Engineering (CSCE), Association for Environmental Engineering and Science Professors (AEESP), and the International Water Association (IWA). He has demonstrated leadership in the Engineering community, holding a number of board and committee appointments through his career with non-for-profit agencies (e.g., American Water Works Association), government committees (e.g., the Ministers Roundtable on the Environment and Sustainability), technical committees (e.g., the Expert Panel on Hydraulic Fracturing in Nova Scotia) and professional groups (e.g., the Awards Committee for Engineers Nova Scotia).

Over the past ten years, Dr. Gagnon has dedicated significant professional time working with Elders, Chiefs and water operators across indigenous communities in the Atlantic Region to establish the Atlantic First Nations Water Authority – the first of its kind in Canada. The AFNWA will enable First Nations peoples to oversee the management of water and wastewater treatment in their communities; its establishment represents an important step in the reconciliation process.



## JIM GILLILAND

Jim was born in Winnipeg, MB, and then moved with his family to Calgary in 1981. Jim received his B.Sc. in Civil Engineering in 1992, and his Master of Structural Engineering in 1994, both from Queen's University at Kingston, Ontario. Jim then returned to Calgary to complete his Ph.D. in Structural Engineering at the University of Calgary in 2001. While at university, as well as more recently, Jim has authored and co-authored many papers in civil engineering journals and conference proceedings.

Before completing his Ph.D., Jim began his consulting engineering career in the private sector with Stantec Consulting Ltd. in 1997 as a structural engineer. In 2006, Jim joined A. D. Williams Engineering Inc. as the Discipline Coordinator for Structural Engineering in Calgary. Most recently, Jim is now Director, Engineering Services at Williams Engineering Canada Inc., the successor

company to A. D. Williams Engineering Inc..

Highlights of Jim's community involvement are:

- Volunteer, CSCE Calgary Section 1996-2006;
- Chair, CSCE Calgary Section, 2002-2006;
- APEGA member and numerous committees involvement since 1997;
- APEGA elected Councilor, 2008-2011;
- APEGA elected President-Elect 2013;
- APEGA President 2014;
- APEGA Foundation, Board Member since 2016. President 2019-2020.
- National CSCE President 2016-2017.
- Volunteer, CSCE – EIC Representative 2018.
- Member, Rotary Club of Calgary, 2011-present.

Jim and his wife, Susan, live in Calgary with their 14 year old son, Alex, and their 10 year old daughter, Georgia. When Jim is not working, he enjoys canoeing, hiking, camping, and spending time on the West Coast with his family.



## MUNZER HASSAN

Dr. Munzer Hassan is Senior Expert Advisor and Partner at CIMA+. He obtained his Bachelor's degree in Civil Engineering from Damascus University (Syria) in 1986 and his Graduate Studies Diploma in Structural Engineering from the same University in 1987. He completed his Master's and Ph.D. degrees at the Swiss Federal Institute of Technology in Lausanne (Switzerland) in 1990 and 1994 respectively.

Through his doctoral studies, Dr. Hassan specialized in the field of reinforced and pre-stressed concrete bridges. He started his academic career as Assistant Professor at Al-Baas University in Homs, Syria in 1995. In 2000, he immigrated to Canada where he joined the École de Technologie Supérieure de Montréal as full-time Lecturer and Researcher. Since 2004, he continues to teach courses to graduate students on a part-time basis, in addition to his duties at CIMA+.

Within CIMA+ Transportation/Bridges team, Dr. Hassan has led numerous design, evaluation, and rehabilitation projects for major bridge structures, many of which are located at key interchanges within the Greater Montreal Region that are well known for the complexity of their configurations. Three of his projects have received awards at provincial and federal levels on six different occasions.

Thanks to his experience in academic research and bridge design practice, Dr. Hassan continues to supervise graduate students at the University of Québec and currently leads a highly qualified bridge engineering team at CIMA+, practicing in major projects across Canada. He is the author and co-author of over 30 technical publications published nationally and internationally.



## DOUG HOOTON

Robert Douglas Hooton is a Professor in the University of Toronto's Department of Civil Engineering and holds the NSERC/ Cement Association of Canada Senior Industrial Research Chair in Concrete Durability and Sustainability. He received his BSc (1974) and MSc (1975) from University of Toronto and PhD (1981) from McMaster University. Dr. Hooton is a registered Professional Engineer in Ontario and in addition to being a member of the Canadian Society of Civil Engineers, he is a Fellow of the Engineering Institute of Canada and the Canadian Academy of Engineering. He is an Honorary member of the American Concrete Institute (ACI), and Honorary Fellow of the Institute of Concrete Technology (UK), Fellow of RILEM, Fellow of the American Ceramic Society,

and Fellow of ASTM.

He received the Engineering Institute of Canada's Julian C. Smith Medal (2016), the Ontario Professional Engineers Medal for Research and Development (2012), ACI's Wason Research Medal (2014), as well as ACI's R.E. Philleo (2013), and A.R. Anderson (2011) awards, and the CSA Award of Merit (1997). Well known as an expert on both Cementitious Materials and Concrete Durability, he has been active on over 40 standards, technical, and code committees in North America and Europe, holding a number of leadership positions on these committees. Several new standard test methods and building code changes related to concrete durability in Canada and the U.S.A. have been developed or championed by him based on the results of his research.



## MONCEF NEHDI

Moncef L. Nehdi received his BSc (Université Laval), MSc (Université de Sherbrooke) and PhD (University of British Columbia) all in civil engineering. He is a tenured full Professor of Civil and Environmental Engineering at Western University and a registered professional engineer in Ontario. He previously served as Technical Director for Imasco Minerals Inc. and as Technical Manager for Modern Technology Laboratories. Nehdi's current research focusses on machine learning in civil infrastructure asset management, and development of self-healing, self-sensing, bio-inspired and sustainable advanced composites for construction and repair.

A Fellow of the American Concrete Institute (ACI), he is Chair of ACI Committee 555, Vice-Chair, CSCE Materials and Mechanics Division, Chair of CSCE Committee on Cement, Concrete and Asphalt, and was Co-Chair of NSERC Discovery Grant Evaluation Group 1509. He is Associate Editor for the Canadian Journal of Civil Engineering and serves on the editorial boards of several other technical journals.

Nehdi is recipient of the CSCE Holt Lepholtz Medal, Ontario Premier's Research Excellence Award, ACI Young Member Award for Professional Achievement, UK's Institution of Civil Engineers Bill Curtin Medal, Mohan Mathur Award for Excellence in Teaching and ASEE's Faculty Fellow Award for Excellence in Engineering Education. He was keynote speaker in several international conferences and received various best paper awards and other accolades.

Nehdi co-authored more than 300 peer-reviewed publications, including over 210 technical journal papers, two edited books and many other technical contributions. He has supervised more than 50 PhD and MSc theses, delivered more than 70 professional development courses for engineers, and consulted for world landmark projects including two of the world tallest buildings, the world's largest pedestrian bridge and the world's deepest and second largest water pumping station.



### **TOMASZ PIETRASZEK**

Tomasz T. Pietraszek is a Principal Engineer in the Department of Transportation – Bridges in CIMA+ Montréal office. He has been working at CIMA+ since April 2008 on several important transportation projects, in a province of Quebec and other provinces. Tomasz began his career in Poland, graduating with Master of Civil Engineering degree from Warsaw Technical University in 1970, where he received a doctorate degree in 1979.

Tomasz started his engineering carrier in Regina (Saskatchewan), and then moved to Montréal (Quebec) in 1987, where he joined Canadian National Railways Research Centre as a research engineer, responsible for bridge fatigue testing and

evaluation. Between years 2000 and 2008 he worked overseas on construction of high-speed train lines in Taiwan and PR of China.

Tomasz joined Canadian Society for Civil Engineering in 1986 and since then participated in several CSCE Short and Medium Span bridge conferences, where he made few presentations.

He is a registered Engineer in Quebec (OIQ), a Professional Engineer in Ontario, Alberta and British Columbia and a member of AREMA (American Railway Engineering and Maintenance-of-Way Association). Tomasz is involved in his place of work in assisting new engineers in developing their skills, attends local CSCE chapter seminars and gatherings.

He authored and co-authored several conference papers and articles.



### **MARIA ANNA POLAK**

Maria Anna Polak is a professor and the University Research Chair in the Department of Civil and Environmental Engineering at the University of Waterloo in Canada. She obtained her PhD from the University of Toronto, her Master's degree from the Cracow University of Technology in Poland, and she worked as a consulting structural engineer before pursuing a career in academia. Professor Polak has been a member of CSCE since 1994. Her research and reputation is internationally renowned, and she is actively involved in several international committees, including the American Concrete Institute (ACI), international Association of Bridge and Structural Engineering (IABSE) and fib (International Federation for Structural Concrete). She chaired the scientific committee of the IABSE conference in

Vancouver in 2017, and has also been awarded the honour of Fellow of ACI. Professor Polak also is a recipient of the prestigious Humboldt Research Fellowship, which supports collaboration with her German colleagues. She is a licensed professional engineer in Ontario.

Professor Polak's research is in the field of structural mechanics, mechanics of materials, and finite element analysis (FEA). She also has notable accomplishments in the fields of polymer modelling and characterization, non-destructive testing (NDT), and trenchless engineering. One of her most important accomplishments is the development of the shear retrofit method for concrete slabs. This method has been used in practice in construction and strengthening of buildings. Her research findings have been published in over 220 journal and conference publications. She leads an active research group at the University of Waterloo working on advancements in mechanics and design of structural concrete, nonlinear FEA, and material characterization.





### MOHSEN RASSEM

Mohsen Rassem is the Structural Department Head and a Senior Project Manager at KGS Group in Regina, Saskatchewan. He also teaches Engineering Project Management and Basic Structural Design as a Sessional Lecturer at the University of Regina. Mohsen received his B.Sc. in 1982 and M.Sc. in 1986 in Civil Engineering from Cairo University, Egypt. He immigrated to Canada in 1987 and completed his Ph.D. degree in 1992 at McMaster University in Hamilton, Ontario.

Mohsen is a registered professional engineer in the provinces of Saskatchewan, Alberta and Ontario. He is also registered as a Project Management Professional (PMP) with the Project Management Institute, USA. He is a long-standing member and volunteer with the Regina Chapter of the Canadian Society for Civil Engineers and Construction Specifications Canada.

Since graduation, Mohsen has practiced as a structural engineer and project manager in the consulting engineering business in Egypt and Canada. He has worked on a wide range of building projects in the commercial and industrial sectors. His experience is mainly in the structural design and contract administration of commercial, health, educational, sports, industrial, residential and civil structures in addition to building assessment, restoration and renovation projects.

Mohsen is married to Azza Askar, also a structural engineer. Their daughter, Mariam, is a Rehabilitation Physician and their son, Ehab, is an Environmental Engineer-in-Training. Mohsen enjoys long-distance running and hiking in the mountains. He completed full marathon running races in Regina and Kelowna, BC.



### JONATHAN REITER

Jonathan Reiter graduated from the University of Calgary in 1989 and earned his P.Eng. in 1991. After working for 12 years in Calgary, Jonathan transferred to Victoria, BC working as a structural engineer with a new emphasis on seismic analysis and design. After 26 years with his original employer Jonathan, along with two business partners, established the new Structural Consulting firm of Skyline Engineering Ltd.

Jonathan strives to be on the leading edge of Structural Engineering design. In 2006 he successfully completed the Institution of Structural Engineers (IStructE) examination and is a registered Professional Engineer with this International Association. Jonathan has also completed the requirements to earn his Struct.Eng. designation in the Province of British Columbia (2006) and became LEED accredited in 2008.

While in University, Jonathan was the Chair for the Student Section, and was awarded the CSCE Student of the Year award in 1989. After graduation, Jonathan joined the Calgary Section Executive and eventually served in all Executive positions, including Chair. When Jonathan moved to Victoria, he joined the local CSCE Section executive to continue his service with the CSCE. Jonathan is currently the chair of the CSCE Vancouver Island Section.

Jonathan has been involved in the community at large, including ten years of volunteering with Scouts Canada. Jonathan now takes opportunities to pass on his knowledge and experience to the next generation of Engineers. In addition to mentoring young engineers-in-training at Skyline Engineering, Jonathan regularly provides guest lectures to Civil Engineering students at the University of Victoria.



### ALCIDE RICHARD

Alcide Richard obtained a Bachelor of Science in Civil Engineering degree from the Université de Moncton in 1989. After gaining valuable design and construction experience with various engineering firms, in 2005, Mr. Richard joined the City of Moncton as a Project Engineer in the Engineering and Environmental Services Department. He has been in his current position as Director of Design and Construction since 2006.

As Director of Design & Construction, Alcide is responsible for managing the Engineering component of the Capital Works program, valued at approximately \$30 million per year. Asset Management for street right of way assets (water, sanitary, storm asphalt and sidewalks), is also part of Alcide's portfolio of responsibilities. The City of Moncton's water, sewer and street assets are estimated at \$1.6 billion.

Mr. Richard is a member of the Association of Professional Engineers and Geoscientists of New Brunswick, Canadian Society for Civil Engineering, American Water Works Association and the American Public Works Association. He is truly honored to be bestowed with the titled of Fellow with the Canadian Society for Civil Engineering as of May 20th 2020.

Mr. Richard has been married to his wife Nicole for 28 years and they have three children; Simon, Chloe and Remi.



### AMINAH ROBINSON FAYEK

Dr. Aminah Robinson Fayek is a professional engineer, Killam Professor, and professor in the Department of Civil and Environmental Engineering at the University of Alberta. She received her B.Eng. in civil engineering (1991) from McGill University, M.A.Sc. (1992) from the University of British Columbia, and Ph.D. (1997) from the University of Melbourne. She holds a Tier 1 Canada Research Chair and is in her third consecutive term as NSERC Industrial Research Chair. She is Director of the Construction Innovation Centre, which brings together the expertise of 30 faculty members and 50 industry partners to develop interdisciplinary solutions to high-priority challenges in construction.

Not only has her research gained international recognition, it has also been implemented with leaders of the construction industry. In recognition of her impact on industry, Dr. Fayek received the preeminent award of the industrial construction sector in western Canada, the Don Currie Award, for long-standing and dedicated service that has contributed to the success of the Construction Owners Association of Alberta.

She received the American Society of Civil Engineers Peurifoy Construction Research Award, given for outstanding contributions to the advancement of construction engineering through research and development of new technology, principles, or practices. The Canadian Society for Civil Engineering presented Dr. Fayek with the Walter Shanly Award, the top national award for construction engineering, and the Association of Professional Engineers and Geoscientists of Alberta recognized her exemplary contributions to teaching and learning with the Excellence in Education Award. She is an editor for four leading journals and regularly serves on NSERC and industry advisory committees.



**BRUCE WILSON**

Bruce Wilson is a Professor in the Department of Civil Engineering at the University of New Brunswick where his work focusses on solid waste and municipal engineering. Born in Fort William and raised in Hamilton, he completed a Bachelor of Applied Science degree in Civil Engineering at the University of Toronto in 1986, followed by a Master's Degree in 1988, also from the University of Toronto.

In 1988 he joined Resource Integration Systems in Toronto where he helped to design many Blue Box collection systems, Material Recovery Facilities, and composting sites in Ontario, the USA, and Europe. In 1992, he joined the Waste Reduction Branch of Ontario Ministry of the Environment where he specialized in composting and tire recycling. In 1997 he returned to university and completed a Ph.D. at McMaster University in 2001. He joined the University of New Brunswick that year and has served six years as Department Chair.

Bruce joined the CSCE in 2001, serving several terms on the executive of the CSCE Western New Brunswick Section. He was licensed in Ontario for 18 years and has been licensed in New Brunswick since 2001. He served two terms on APEGNB Council and is a Fellow of Engineers Canada. He has been the Academic Member on the Board of the Environmental Research and Education Foundation (EREF) since 2013 and is a founding Board Member of EREF Canada.

Bruce is married and has two children. He enjoys canoeing, hiking, and skiing.

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## PRIX SANDFORD FLEMING AWARD



### **KHANDER HABIB**

*The Sandford Fleming Award was established in 1999 in honour of Sir Sandford Fleming (1827-1915), Canada's foremost railway surveyor and railway engineer of the 19th century. He was Chief Engineer of the Intercolonial Railway from Eastern Quebec to Southern New Brunswick and in 1871 he was appointed Chief Engineer of the proposed new Canadian Pacific Railway from Montreal to the Pacific Coast. His railway route from Winnipeg to Vancouver through the Yellowhead Pass is now used by the Canadian National Railway. The CSCE wishes to acknowledge the generosity of the Canadian National Railway for funding this award. The Sandford Fleming Award is presented annually to a member of the CSCE who has made particularly outstanding contributions to the development and practice of transportation engineering in Canada.*

The Sandford Fleming Award for 2020 is presented to Khander Habib.

Khander Habib has been a professor at the University of Toronto since 2010. Habib received his BSc. (2000) and MSc. (2002) degrees in Civil Engineering from Bangladesh University of Engineering & Technology. He received his Ph.D. (2007) from the University of Toronto. Before joining the University of Toronto, he served as a Professor in the Department of Civil & Environmental Engineering of the University of Alberta (2007-2010). Habib received several awards including Eric Pass Award (Honorable mention) from the International Association of Travel Behaviour Research; Early Researcher Award from Ontario Ministry of Economic Development and Innovation; Minister's Award for (transportation) Process Innovation from Alberta Ministry of Transportation; Pyke Johnson Award and numerous best paper awards as well as certificates of appreciation from the Transportation Research Board (TRB) of US National Academies of Science, Engineering and Medicine; Educational Achievement Award from the Transportation Association of Canada, Trottier Fellowship at the Institut de Energie Trottier in Montreal; Dean's Merit Pool awards and Percy Edward Hart Professorship from the Faculty of Applied Science and Engineering at the University of Toronto. He serves editorial boards of several top-tire transportation journals and works as an editor of two journals. He is a member of TRB's standing committees on transportation demand forecasting and travel behaviour analysis.

Areas of Expertise: Strategic transportation planning, travel demand modelling, travel survey methods, transport economics, transport policy, econometric choice modelling, emerging transportation technologies, and smart cities in the era of automated and transformative transportation (on-demand mobility, ride-sourcing and sharing economy).

## PRIX A.B. SANDERSON AWARD



### FRANK VECCHIO

*The A.B. Sanderson Award was established in 1977 in honour of Adrian Barclay (Sandy) Sanderson (1909-1994), a very distinguished structural engineer and University of British Columbia graduate from Vancouver. Among Mr. Sanderson's best known achievements were the 1954 design of the Mosquito Creek Bridge in North Vancouver, the superstructure of the MacDonald-Cartier Bridge over the Ottawa River, then the longest continuous box girder in North America, and his involvement in the Mount Kobau Astronomical Observatory. The A.B. Sanderson Award is presented to a member of the CSCE who has made particularly outstanding contributions to the development and practice of structural engineering in Canada.*

The A. B. Sanderson Award for 2020 is presented to Frank Vecchio.

Frank J. Vecchio, Ph.D., P.Eng., is Professor and Bahen/Tanenbaum Chair in Civil Engineering in the Department of Civil & Mineral Engineering at the University of Toronto. He has been on Faculty since 1985. Dr. Vecchio received his doctorate from the University of Toronto (1981), where he also received his B.A.Sc. (1978) and M.Eng. (1979) degrees. Prior to joining the Faculty at the University of Toronto, he was employed as a research engineer at Ontario Hydro (1981-1985). He is a registered Professional Engineer in Ontario.

His research interests relate to the development of improved analysis procedures for reinforced concrete structures, particularly for those that are shear-sensitive. Recent activities include the development of improved constitutive models and nonlinear finite element procedures, application to the assessment and forensic analysis of concrete structures, and analysis of damaged, repaired or rehabilitated structures. Additional interests include the modelling and assessment of fibre reinforced concrete (FRC) structures, structures rehabilitated with fibre reinforced polymers (FRP), and structures subjected to extreme loads including blast, impact, fire and earthquake. He is the author of over 120 technical papers in these areas.

Dr. Vecchio is a Fellow of the Canadian Society of Civil Engineers (CSCE) and former recipient of the CSCE Whitman-Wright Award (2011) and Horst Leipholtz Medal (2014), and the Ontario Professional Engineers Engineering Medal – Research and Development (2014). He continues to be an active member of several international technical societies and committees relating to the design and assessment of reinforced concrete structures.

# PRIX JAMES A. VANCE AWARD



## WADE ZWICKER

*Established in 1977 in honour of Dr. James A. Vance (1892-1981), this award is granted to a civil engineer and CSCE member whose dedicated service has furthered the advancement of the Society. Dr. Vance joined the Canadian Society of Civil Engineers as a student in 1914 and, throughout his life, gave unstintingly of his time, resources and talent to the Society and its successor, the Engineering Institute of Canada. Mr. Vance served the Society and the EIC in numerous capacities, including as President of the latter in 1950.*

The recipient of the James A. Vance Award for 2020 is Wade Zwicker.

Wade Zwicker earned his Bachelor of Science in Civil Engineering from the University of Alberta in 1990. After graduating, he began his consulting career with the firms UMA, Associated Engineering, ISL, and Stantec providing municipal design, construction survey and management, and project management services on land development projects including residential, commercial, and industrial projects in Alberta, Saskatchewan, and the northern Territories. In 2012, Wade joined and is currently with the land development firm Cameron Development Management Inc., where he oversees the planning and engineering for all of Cameron's residential land development projects and consults on the planning and servicing needs of the commercial and industrial land projects.

Wade married Michelle 33 years ago and they have two adult children; Kailtyn who is an elementary school teacher, and Steven completed his undergraduate degree with a double major in Psychology and Bio Sciences from the U of A and is working toward his Masters.

Wade has been a member of the Canadian Society of Civil Engineering since becoming a student member in 1984 and was actively involved in the CSCE Edmonton Section where he eventually became Chair between 1997 -1998, was the Western Region VP between 1998 and 2002, the Conference Coordinator between 2013 and 2015, Vice-President of the Administration Coordinating Committee since 2015 and is becoming Senior Vice President this year.

Wade was a soccer coach, a scout leader and is also involved in the Urban Development Institute Edmonton Section being a Board Member between 2007 and 2013 standing on a number of working committees: Drainage/Infrastructure Committee, Parks Committee, Sanitary Servicing Strategy Fund (SSSF) Operational and Management Committees plus the Arterial Roadway Assessment (ARA) Working and Steering Committees, still on some today.

## PRIX E. WHITMAN WRIGHT AWARD



### MONCEF NEHDI

*Established in 1985 in honour of Dr. E. Whitman Wright, founding Chairman of the CSCE Computer Applications Division, the award is granted to a civil engineer who has made a significant contribution to the advancement of Innovation and Information Technology in Civil Engineering.*

The E. Whitman Wright Award for 2020 is presented to Moncef Nehdi.

Moncef L. Nehdi received his BSc (Université Laval), MEng (Université de Sherbrooke) and PhD (University of British Columbia) all in civil engineering. He is a tenured full Professor of Civil and Environmental Engineering at Western University and a registered professional engineer in Ontario. He previously served as Technical Director for Imasco Minerals Inc. and as Technical Manager for Modern Technology Laboratories. Nehdi's current research focusses on machine learning in civil infrastructure asset management, and development of self-healing, self-sensing, bio-inspired and sustainable advanced composites for construction and repair.

A Fellow of the Canadian Society of Civil Engineering (CSCE) and the American Concrete Institute (ACI), he is Vice-Chair, CSCE Materials and Mechanics Division, Chair of CSCE Committee on Cement, Concrete and Asphalt, Chair of ACI Committee 555, and was Co-Chair of NSERC Discovery Grant Evaluation Group 1509. He is Associate Editor for the Canadian Journal of Civil Engineering and serves on the editorial boards of several other technical journals.

Nehdi is recipient of the CSCE Holt Lepholz Medal, Ontario Premier's Research Excellence Award, ACI Young Member Award for Professional Achievement, UK's Institution of Civil Engineers Bill Curtin Medal, Mohan Mathur Award for Excellence in Teaching, Petro Canada young innovator award, and ASEE's Faculty Fellow Award for Excellence in Engineering Education. He was keynote speaker in several international conferences and received various best paper awards and other accolades.

Nehdi co-authored more than 300 peer-reviewed publications, including over 210 technical journal papers, two edited books and many other technical contributions. He has supervised more than 50 PhD and MEng theses, delivered more than 70 professional development courses for engineers, and consulted for world landmark projects including two of the world tallest buildings, the world's largest pedestrian bridge and the world's deepest and second largest water pumping station.

## PRIX WALTER SHANLY AWARD



### KASUN HEWAGE

*The Walter Shanly Award is presented to a member of CSCE who, in the opinion of the selection committee, has made truly outstanding contributions to construction engineering research and/or practice in Canada. This may be either through sustained activities over an extended period or through being either the author or principal inspiration and one of the significant authors of three or more peer-reviewed papers on a relatively narrow topic over a period of two to five years in relevant journals of international standing, such as the Canadian Journal of Civil Engineering.*

The winner of the Walter Shanly Award for 2020 is Kasun Hewage.

Dr. Kasun Hewage is a Full Professor in the School of Engineering at UBC's Okanagan campus. He is the FortisBC Smart Energy Chair and Associate Director of the Clean Energy Research Centre at UBC. In addition, he is directing the UBC's Life Cycle Management Laboratory (<http://promlab.ok.ubc.ca/>). Dr. Hewage has been leading several collaborative research projects in life cycle management of built assets, green construction, and smart energy options. His research team has been assisting federal, provincial, and municipal governments, and industrial stakeholders to improve sustainability and affordability in the built environment. His team has developed many decision support tools, best management practices, and innovative asset management practices by integrating the concepts of life cycle thinking. Over the last decade, Dr. Hewage has widely published his research innovations and findings in over 120 high impact journal articles and many conference proceedings. He was named as the UBC's 'Researcher of the Year' in 2019 in Natural Sciences and Engineering category. He was also awarded the Moldovan Memorial Award for promoting and advancing sustainability concepts in teaching and research. Prior to joining UBC in 2008, Dr. Hewage worked as a business management cost specialist in Alberta's oil and gas industry, and he has also worked as a civil engineer in hydropower and infrastructure development projects. He holds a PhD in project management from the University of Calgary.



## **PRIX JEUNE INGÉNIEUR PROFESSIONNEL/ YOUNG PROFESSIONAL ENGINEER AWARD**

*Awarded annually to a CSCE Member or Associate Member who has demonstrated outstanding accomplishments as a young professional engineer. Normally, nominees must be no older than 35 as of December 31 of the year that the award is presented.*

### **Regional Award / Prix Régional**



#### **Atlantic : JÉRÉMIE AUBÉ - Tie**

Jérémie is working in the field of transportation engineering for Roy Consultants and is based in Moncton, New Brunswick, where he is responsible for planning, design and construction management of transportation and roadway infrastructure projects. Jérémie likes to get involved and is always looking to give back to his profession. He currently is the Chair of the CSCE East NB and PEI Section, Chair of the CSCE Student Competitions Committee and is also involved with APEGNB as Provincial Councillor and Chair of the Signature Event for the Moncton Branch.



#### **Atlantic : SAMUEL RICHARD - Tie**

Samuel is a Senior Structural Engineer with Canam Group, responsible for design-build projects; from industrial buildings to multi-residential high-rises. He received his Bachelor's degree in 2009 from the Université de Moncton. Samuel has been actively involved with the CSCE, serving as an Executive Member and Chair of the East N.B. and P.E.I. Section and, for the past three years, Vice President for the Atlantic Region.



#### **Quebec : FRANÇOIS LEPRINCE**

The recipient of the Young Professional Engineer Award for 2020 is FRANÇOIS LEPRINCE.

François Leprince is the recipient of the 2020 Young Professional Engineer Award. He joined CIMA+'s Structure Department in 2015, following the completion of his Master's degree at Laval University.

François quickly made a name for himself within the company by taking part in various facets of more than a hundred projects in bridges, buildings, dams, and industrial and railway structures. This allowed him to forge his expertise and establish his credibility. In fact, he presented one of his innovative projects at the 2018 SMSB Conference. Through his creativity, François develops new ways of working and is at the origin of an innovative idea endorsed by the board of directors at CIMA+ and deployed throughout the firm. He also holds a position as a leader in the implementation of new technologies in the firm.

His involvement in CSCE has taken many forms since 2009. Most recently, he has been involved as Vice-President of the Quebec region and as Co-Chair of the 2019 Annual Conference in Laval. François has also been involved in numerous associations and professional groups over the past decade. This has earned him more than 20 awards and scholarships since the beginning of his bachelor's degree, including CISC's G.J. Jackson Fellowship.

François' passion, determination and professionalism are contagious. This makes him an excellent mentor for young professionals and has allowed him to attract many talents at CIMA+. He does not hesitate to share his knowledge and know-how, even beyond the firm, in order to help his peers develop and achieve their potential

# MÉDAILLE P.L. PRATLEY AWARD



## KHALED SENNAH, HAMIDREZA KHEDERZADEH

*Philip Louis Pratley (1884-1958) came to Canada in 1906 upon completion of his studies in Britain. His first position was with the Dominion Bridge Company on the Quebec Bridge. Later he was for twenty years a partner of the firm, Montsarrat and Pratley, which designed such well-known bridges as the Pont Jacques Cartier, and the Lion's Gate Bridge. After Montsarrat's death, Pratley continued the practice and during this period was responsible for the design of the Angus L. Macdonald Bridge and others equally notable. In addition to his successful practice, Mr. Pratley was a prolific author and active in the Engineering Institute of Canada. The Prix P.L. Pratley Award was established in 1987 and is awarded annually for the best paper on bridge engineering.*



The 2020 Prix P.L. Pratley Award is granted to Khaled Sennah and Hamidreza Khederzadeh for the paper: Development of Transverse Ultimate Load Carrying Capacity of Concrete Bridge Barrier Using Yield-Line Theory for CHBDC 2019.

**Abstract:** AASHTO-LRFD specifications specify the design of steel-reinforced bridge barrier based on the yield-line theory. On the basis of this analysis, a triangular yield-line pattern develops at the barrier interior location in which two-diagonal yield-lines meet at barrier-deck junction. However, the actual barriers failed by vehicle collisions as well as the experimental tests conducted by the authors and others on TL-5 and TL-4 steel-reinforced barriers showed trapezoidal crack pattern within the barrier wall. Thus, a constructed full-scale TL-5 steel-reinforced bridge barrier was tested under monotonic static test to collapse verifying their structural performance in a simulated vehicle crash. This paper provides a brief summary of the experimental test results that confirmed the development of trapezoidal crack pattern within the barrier wall, both at interior and end locations of the barrier wall. The ultimate flexural capacity of the barrier was found to be far greater than the limit specified in the Canadian Highway Bridge Design Code (CHBDC) and AASHTO-LRFD specifications of similar barrier geometry. Also, the paper includes the derivations to develop yield-line capacity equations of the barrier wall at interior and end locations. These equations provide the least value of the barrier transverse flexural resistance based on different values of the base width of the trapezoidal yield-line pattern at the barrier-deck connection.

**Key words:** Bridge Code, Steel-reinforced bridge barrier, Vehicle collision loading, Yield-line capacity, Flexural resistance, Experimental testing.

# MÉDAILLE THOMAS C. KEEFER MEDAL

## NASER MOOSAVIAN & BARBARA LENCE



*Thomas Coltrin Keefer (1821-1915), who is probably the best-known member of the Keefer dynasty, was a co-founder in 1887 of the CSCE and its first president. He is particularly remembered for his work in the construction of canals, railways, and water supply systems (Ottawa, Hamilton, and Montreal). His best known publications are “Philosophy of Railroads” (1849) and “The Canals of Canada” (1850). During his career Thomas Keefer was also president of the A.S.C.E., of the Canadian Institute, and of the Royal Society of Canada. The Keefer Medal, established in 1942, is presented annually for the best civil engineering paper in hydropotechnical, transportation or environmental engineering.*

The Thomas C. Keefer Medal for 2020 is awarded to Naser Moosavian & Barbara Lence for the paper: Testing evolutionary algorithms for optimization of water distribution networks.



**Abstract:** Water distribution networks (WDNs) are one of the most important elements of urban infrastructure and require large investment for construction. Design of WDNs is classified as a large combinatorial discrete nonlinear optimization problem. The main concerns associated with the optimization of such networks are the nonlinearity of the discharge-head loss relationships for pipes and the discrete nature of pipe sizes. Due to these issues, this problem is widely considered to be a benchmark problem for testing and evaluating the performance of nonlinear and heuristic optimization algorithms. This paper compares different techniques, all based on evolutionary algorithms (EAs), which yield optimal solutions for least-cost design of WDNs. All of these algorithms search for the global optimum starting from populations of solutions, rather than from a single solution, as in Newton-based search methods. They use different operators to improve the performance of many solutions over repeated iterations. Ten EAs, four of them for the first time, are applied to the design of three networks and their performance in terms of the least cost, under different stopping criteria, are evaluated. Statistical information for 20 executions of the ten algorithms is summarized, and Friedman tests are conducted. Results show that, for the two-loop benchmark network, the particle swarm optimization gravitational search and biology and bioinformatics global optimization algorithms efficiently converge to the global optimum, but perform poorly for large networks. In contrast, given a sufficient number of function evaluations, the covariance matrix adaptation evolution strategy and soccer league competition algorithm consistently converge to the global optimum, for large networks.

**Key words:** evolutionary algorithms, genetic algorithm, water distribution networks, optimization

# MÉDAILLE CASIMIR GZOWSKI MEDAL



## JEFFREY PACKER, JENS KUHN, YUJING FAN

*As superintendent of public works of the Province of Canada, Colonel Sir Casimir Stanislaus Gzowski (1813-1898) was responsible for improving waterways and canals and constructing roads, harbours and bridges. Later, he was involved in railroad construction and the design and construction of the international bridge at Fort Erie. A founder of the CSCE in 1887, he served as president from 1889 to 1891. Established by Sir Casimir in 1890, the Casimir Gzowski Medal is awarded annually for the best civil engineering paper in surveying, structural engineering or heavy construction.*

The Casimir Gzowski Medal for 2020 is awarded to Jeffrey Packer, Jens Kuhn and YuJing Fan for their paper on Rectangular hollow section webs under transverse compression (cjce-2018-0485).



**Abstract:** An investigation is presented into full-width, RHS X-connections subject to transverse compression, including the effect of a compressive or tensile chord preload. A re-evaluation of world-wide experimental tests on fullwidth X-connections revealed considerable inaccuracy with current design recommendations, as well as significant discrepancies between them. A finite element study was hence conducted to further investigate the behaviour of such connections. A critical value of the bearing length-to-chord height ratio was found, where yielding failure of the chord webs turns into buckling failure, and this has been implemented in the subsequent design recommendation. The proposed design procedure is based on 350 finite element results, covering a wide range of chord sidewall slenderness values, bearing length values and chord stress ratios, as well as against a screened data base of 125 experimental tests. The proposal is shown to offer excellent predictions and incorporates a simple reliability analysis.



**Key words:** Steel structures, hollow structural sections, rectangular hollow sections, truss connections, welded joints, web buckling, web crippling, static strength, numerical modelling.

## MÉDAILLE STEPHEN G. REVAY AWARD



### ZINAB ABUWARDA, TAREK HEGAZY

*The Stephen G. Revay Award was established in 2005 in honour of the late Mr. Stephen G. Revay (1924-2004). President of the CSCE in 1989-1990, Mr. Revay made outstanding contributions to several heavy engineering projects in Canada before founding his firm, Revay and Associates, in 1970, in the area of project management and construction dispute resolution. The CSCE wishes to acknowledge the generosity of the City of Edmonton for funding this award. The Stephen G. Revay Award is presented every two years for the best paper in the areas of construction engineering, construction management or project management.*

The Stephen G. Revay Award for 2020 is award to Zinab Abuwarda and Tarek Hegazy for their paper on Multi-dimensional optimization model for schedule fast-tracking without over-stressing construction workers.



**Abstract:** Fast-tracking is an important process to speed the delivery of construction projects. To support optimum fast-tracking decisions, this paper introduces a generic schedule optimization framework that integrates four schedule acceleration dimensions: linear activity crashing; discrete activity modes of execution; alternative network paths; and flexible activity overlapping. Because excessive schedule compression can lead to space congestion and overstressed workers, the optimization formulation uses specific variables and constraints to prevent simultaneous use of overlapping and crashing at the same activity segment. To handle complex projects with a variety of milestones, resource limits, and constraints, the framework has been implemented using the constraint programming (CP) technique. Comparison with a literature case study and further experimentation demonstrated the flexibility and superior performance of the proposed model. The novelty of the model stems from its integrated multi-dimensional formulation, its CP engine, and its ability to provide alternative fast-track schedules to strictly constrained projects without overstressing the construction workers.

**Key words:** construction, schedule compression, acceleration, substitution, crashing, overlapping, fast tracking, multi-modes, constraint programming, optimization.

# **PRESIDENT`S AWARD FOR THE BEST STUDENT CHAPTER PRIX DU PRÉSIDENT POUR LE MEILLEUR CHAPITRE ÉTUDIANT**

1982-83	McGill University
1983-84	Lakehead University
1984-85	Université Laval
1985-86	University of Toronto
1986-87	Lakehead University
1987-88	University of Calgary
1988-89	University of Calgary & Université Laval
1989-90	Université de Sherbrooke
1990-91	McGill University
1991-92	École Polytechnique
1992-93	Université de Sherbrooke
1993-94	University of Toronto
1994-95	University of Western Ontario
1995-96	Université de Sherbrooke
1996-97	Lakehead University
1997-98	University of New Brunswick
1998-99	University of New Brunswick
1999-00	University of Western Ontario
2000-01	École de technologie supérieure
2001-02	University of New Brunswick
2002-03	Université Laval
2003-04	Université Laval
2004-05	Université Laval
2005-06	Université Laval
2006-07	Université Laval
2007-08	Université Laval
2009-10	University of Western Ontario
2010-11	British Columbia Institute of Technology
2011-12	University of Western Ontario
2012-13	University of Western Ontario
2013-14	University of British Columbia, Vancouver
2014-15	University of British Columbia, Vancouver
2015-16	British Columbia Institute of Technology
2016-17	British Columbia Institute of Technology (BCIT) + Western University
2017-18	University of British Columbia, Vancouver
2018-19	British Columbia Institute of Technology (BCIT)

## CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2020

ABD EL HALIM, A.O.	Ottawa, ON	1998
ABOURIZK, Simaan	Calgary, AB	2010
ACHARI, Gopal	Calgary, AB	2016
ADAM, George	Calgary, AB	1982
ADAMS, Barry	Toronto, ON	2004
AHUJA, Hira N.	Mississauga, ON	1983
AINLEY, P. William	Collingwood, ON	1986
AINSLIE, Stan	Calgary, AB	2002
AKHRAS, Georges	Kingston, ON	1997
ALEONG, Geoffrey L.	Whitby, ON	2000
ALLEN, C. Michael	Ottawa, ON	1995
ALLEN, David E.	Ottawa, ON	1993
AL-HUSSEIN, Mohamed	Edmonton, AB	2015
AL-MANASEER, Akthem	San Jose, CA	2001
ANDERSON, Bruce	Kingston, ON	2016
ANDERSON, Donald L.	Vancouver, BC	1988
ANDRES, Reginald	Ottawa, ON	2007
ANDREWS, Robert C.	Burlington, ON	2018
ARCHER, Georges	Westmount, QC	1986
ARISZ, Joannes (Hans)	Fredericton, NB	2018
ARMITT, Ernest	Winnipeg, MB	2004
ATKINSON, Charles H.	Niagara Falls, ON	1983
ATTALLA, Mohamed	North York, ON	2010
AUBERTIN, Michel	Montreal, QC	1999
AZARNEJAD, Azita	Calgary, AB	2013
BABSTOCK, Reginald A.	St. John's, NF	2000
BADDOUR, Raouf A.	London, ON	2000
BAETZ, Brian W.	Hamilton, ON	2005
BAGCHI, Ashutosh.	Montreal, QC	2019
BAGNALL, Keith E.	Calgary, AB	1997
BAIRD, William F.	Ottawa, ON	2001
BAKER, John	Edmonton, AB	2005
BAKHT, Baidar	Downsview, ON	1985
BALAKRISHNAN, Bala	Edmonton, AB	2011
BALLIVY, Gérard	Sherbrooke, QC	1997
BANTHIA, Nemkumar	Vancouver, BC	2006
BARBOUR, S. Lee	Saskatoon, SK	2002
BARBOUR, Steve	St. John's, NL	2009
BARTLETT, F. Michael	London, ON	2006
BARTLETT, Kenneth O.	Fredericton, NB	1988
BARUTCISKI, Théodore	Montréal, QC	1990
BASARABA, Leonard G.	Vancouver, BC	2003
BASKIN, Kevin	Victoria, BC	2007
BASSI, Kris G.	Etobicoke, ON	1999
BATE, John	London, ON	1991
BEAULIEU, Denis	Ste-Foy, QC	1993
BÉDARD, Claude	Montréal, QC	2006
BÉGIN, Tony La	Beauce, QC	2017
BÉLIVEAU, Jean-Guy	Burlington, VT	2000

**CSCE FELLOWS / FELLOWS SCGC  
ELECTED/ÉLUS 1982-2020**

BELTAOS, Spyros	Burlington, ON	1989
BENMOKRANE, Brahim	Sherbrooke, QC	2004
BEWTRA, J.K.	Windsor, ON	2001
BICKLEY, John A.	Toronto, ON	1996
BING-WO, Reginald	Regina, SK	1983
BISCHOF, Max	North Vancouver, BC	2002
BISCHOFF, Peter	Fredericton, NB	2017
BISWAS, Nihar	Windsor, ON	2009
BITSUAMLAK, Girma	ON	2017
BLACKWELL, Walter	Toronto, ON	2001
BLAIS, Réjean	St. Jean Chrysostome, QC	1997
BLISS, E. John	Fredericton, NB	1984
BOISSONNAULT, Jacques	Campbellton, NB	2017
BOIVIN, Richard	LaSalle, QC	1987
BORBELY, Cathy Lynn	Regina, SK	2005
BOOY, C.	St. Adolphe, MB	1985
BOZOZUK, Michael	Ottawa, ON	1997
BRADDOCK, Richard W.	Willowdale, ON	1982
BRAY, Dale I.	Fredericton, NB	1991
BREMNER, Theodore W.	Fredericton, NB	1994
BRENNER, Konrad A.	Hamilton, ON	1986
BROADHURST, Denis	Calgary, AB	2008
BROWN, Thomas Girvan	Cochrane, AB	1999
BRUCH, Philip	Saskatoon, SK	2015
BRUNO, Mario	Toronto, ON	2003
BUCKLAND, Peter G.	North Vancouver, BC	1982
BURATTO, Dino A.	Windsor, ON	1999
BURNETT, Eric F.P.	State College, PA	1986
BURNS, P. Daniel	Calgary, AB	1994
BURRELL, Brian C.	Fredericton, NB	1999
BUYDENS, Gerry	Victoria, BC	2001
CALCETAS, Peter	Toronto, ON	2017
CAMPBELL, Charles A.	East Bay, NS	1986
CAMPBELL, Colin H.	Calgary, AB	1996
CAMPBELL, Ralph	Fredericton, NB	2016
CAMPBELL, T. Ivan	Kingston, ON	1989
CANE, Donald B.	Pickering, ON	2000
CARLIN, Glen P.	Montreal, QC	2003
CASOLI, George	Richmond, BC	2009
CAZALY, Laurence George	Point Shares, Bermuda	1990
CERONI, Eugenio	Novi Ligure, Italy	2011
CESARIO, Giuliano	Toronto, ON	2005
CHAALAL, Omar	Verdun, QC	2018
CHAN, Evan Kit Yu	Hong Kong	2011
CHAN, T.H. Todd	Don Mills, ON	1994
CHEN, Bing	St. John's, NL	2020
CHEN, Chi Tsen	Halifax, NS	1995
CHENG, George Chi-Wai	Hong Kong	2018
CHENG, Jung-June Roger	Edmonton, AB	2004



## CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2020

CHERRY, Sheldon	Vancouver, BC	2000
CHEUNG, Kelvin	Hong Kong, China	2016
CHEVARIE, Jean-Maurice	Moncton, NB	2010
CHIASSON, Paul-André	Moncton, NB	2013
CHIDIAC, Samir	Hamilton, ON	2014
CHIU, Cheuk Wah	Hong Kong	2014
CHRISTIAN, John	Fredericton, NB	1995
CHUA, Ken	Vancouver, BC	2013
CLAYTON, Alan	Winnipeg, MB	2013
CLIFTON, Wayne A.	Regina, SK	1994
CLIMENHAGA, John Jay	Toronto, ON	2003
COLBOURNE, Overton	Corner Brook, NL	2006
COLLINS, Michael P.	Oakville, ON	1988
COLLINS, Robert A.	Toronto, ON	1986
COMEAU, Michel P.	Halifax, NS	2002
COOK, Geoff R.	Toronto, ON	1982
COOPER, William P.	Oakville, ON	1986
CORMIER, Guy	Sarsfield, ON	2006
COUTURE, Armand	Laval des Rapides, QC	1982
COUTURIER, François	Mont Royal, QC	1999
COWE FALLS, Lynne	Calgary, AB	2010
CRAMM, David C.	Ancaster, ON	1985
CRAWFORD, Henry S.	Calgary, AB	2005
CRYSLER, Ralph E.	Oakville, ON	1986
CUNNINGHAM, Al	Moncton, NB	2009
DAGENAIS, Camille A.	Montréal, QC	1982
A.F. DA SILVA, Ana Maria	Kingston, ON	2018
DANYLUK, Darrel John	Calgary, AB	2002
DAUPHINAIS, Ernest	Falardeau, QC	1992
DAVAR, Kersi S.	Fredericton, NB	1993
DAVIES, Llewelyn B.	Richmond, BC	1984
DEMERCHANT, Daryl	Fredericton, NB	2009
DENHAM, Richard	Ottawa, ON	2000
DE VALL, Ronald H.	Vancouver, BC	1998
DIBATTISTA, Jeff	Edmonton, AB	2016
DILGER, Walter H.	Calgary, AB	1988
DIONNE, Ghislain	Laval, QC	2019
DISHER, Jerry W.	Hamilton, ON	1982
DOERING, Jay	Winnipeg, MB	2005
DORTON, Roger A.	Willowdale, ON	1982
DOZZI, S. Peter	Calgary, AB	1985
DRIVER, Robert	Calgary, AB	2013
DROSTE, Ronald	Ottawa, ON	2011
DRYSDALE, Robert G.	Hamilton, ON	1991
DUFOUR, Marcel	St-Lambert, QC	1986
DUNASZEGI, Laszlo	Calgary, AB	2007
DUNFIELD, Malcolm	Riverview, NB	1999
DUSSAULT, Rémy G.	St-Laurent, QC	1985
EASA, Said M.	Toronto, ON	1995

# CSCE FELLOWS / FELLOWS SCGC

## ELECTED/ÉLUS 1982-2020

EDAMURA, Hank	Thornhill, ON	2004
EL-BADRY, Mamdouh	Calgary, AB	2005
EL-HACHA, Raafat	Calgary, AB	2018
EL DAMATY, Ashraf	London, ON	2014
ELEKTOROWICZ, Maria	Montreal, QC	2003
EL-JABI, Nassir	Moncton, NB	1997
ELLIOTT, Cyril R.	St. John's, NF	1989
ELLIS, John S.	Kingston, ON	1985
ELMARAGHY, Rachik	Quebec, QC	2016
EL-SALAKAWY, Ehab	Winnipeg, MB	2016
ER, K.C.	Edmonton, AB	2010
ERKI, Marie-Anne	Kingston, ON	2004
FAFARD, Mario	Quebec, QC	2018
FALLIS, Ken J.	Winnipeg, MB	1985
FAM, Amir	Kingston, ON	2015
FARAGO, Bert	Don Mills, ON	1987
FAZIO, Paul	Montréal, QC	1984
FELDKAMP, H.F. (Henry)	Saskatoon, SK	1997
FELDMAN, Lisa	Saskatoon, SK	2015
FELIO, Guy	Rockland, ON	2014
FERNANDO, Siri	Edmonton, AB	2009
FILER, William A.	Ancaster, ON	1984
FILION, Yves	Montreal, QC	2007
FINE, Manny A.	Hamilton, ON	1982
FISHER, W. Bryce	Halifax, NS	1996
FLETCHER, Jim	Halifax, NS	2001
FOLLETT, Gary J.	St. John's, NF	2000
FOO, Simon	Gatineau, QC	2013
FOSCHI, Ricardo O.	Vancouver, BC	1996
FOWLER, Charles A.E.	Halifax, NS	1993
FOWLER, John R.	Ottawa, ON	1998
FRANCIS, Adel	Montréal, QC	2015
FRANCIS, Ralph M.	Fredericton, NB	1992
FRENETTE, Marcel	Cap Santé, QC	1982
FROSE, Thomas	Vancouver, BC	2015
FU, Liping	Waterloo, ON	2015
FURNEAUX, R. John	Waverly, NS	2002
GAGNÉ, Richard	Sherbrooke, QC	2014
GAGNON, Graham	Halifax, NS	2020
GALM, Ken	Edmonton, AB	2019
GALVEZ, Senator Rosa	Quebec, QC	2019
GAMSA, Simon	Montréal, QC	1993
GARLAND, James	Pickering, ON	2009
GATES, William H.	Halifax, NS	1988
GAUVREAU, Paul	Toronto, ON	2019
GEHR, Ronald	Montréal, QC	2002
GHALI, Amin	Calgary, AB	1986
GIGNAC, Pierre	Boucherville, QC	2010
GILKIE, Ronald C.	Halifax, NS	1991

## CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2020

GILLILAND, Jim	Calgary, AB	2020
GILMOR, Michael I.	Unionville, ON	1992
GORDON, James L.	Pointe-Claire, QC	1989
GOSELIN, Guy	Ottawa, ON	2007
GRAINGER, Stephen P.A.	St. John's, NL	2018
GREEN, Mark	Kingston, ON	2017
GREEN, Roger	Waterloo, ON	1985
GREENFIELD, David	Burlington, ON	2001
GRIMBLE, Louis	Edmonton, AB	2001
GUILLAUD, Christian	Montréal, QC	1991
HAAS, Ralph C.	Waterloo, ON	1994
HAMEL, Laurent	Québec, QC	1982
HAN, Yingcai	Calgary, AB	2008
HANNIGAR, Terry Wendell	Wolfville, N.S.	1994
HANUSCHAK, William	Winnipeg, MB	1999
HARRIS, Philip J.	Burlington, ON	1983
HARRISON, R. Peter	Falmouth, NS	1984
HART, Peter R.	Toronto, ON	1982
HARWOOD, Appleton (Tony)	Dartmouth, NS	1992
HASSAN, Munzer	Montreal, QC	2020
HAY, Duncan	Belcarra, BC	1989
HAYCOCK, Don H.	Waterloo, ON	2006
HÉBERT, Gilles	Moncton, NB	2005
HEGAZY, Tarek	Waterloo, ON	2014
HEIDEBRECHT, Arthur C.	Dundas, ON	1984
HEINKE, Gary W.	Cobble Hill, BC	1984
HEISLER, Timothy	Saskatoon, SK	2001
HENRY, J. Glynn F.	Don Mills, ON	1994
HETTIARATCHI, Patrick	Calgary, AB	2011
HEWUS, Glenn	Ottawa, ON	2018
HIBBARD, William R.	Edmonton, AB	1996
HICKEY, Susann	Torbay, NL	2017
HICKS, Faye	Edmonton, AB	2003
HITCHCOCK, Barry	Scarborough, ON	1990
HODGES, Kenneth W.	London, ON	2000
HOLDEN, John D.	Calgary, AB	1996
HOLMAN, W.C.	St-Catharines, ON	1989
HONG, Hanping	London, ON	2014
HOOTON, Doug	Toronto, ON	2020
HOROSKO, Andrew	Winnipeg, MB	2018
HOSAIN, Mel U.	Saskatoon, SK	1985
HOUDE, Jules	Montréal, QC	1986
HRUDEY, Terry Michael	Edmonton, AB	1999
HUANG, Jeanne	Tianjin, China	2015
HUMAR, Jag Mohan	Ottawa, ON	1987
HUSSEIN, Amgad	St-John's, NF	2015
HUTCHINSON, Bruce G.	Waterloo, ON	1992
INNES, J. David	Fredericton, NB	1997
IRCHA, Michael C.	Ottawa, ON	1993

**CSCE FELLOWS / FELLOWS SCGC  
ELECTED/ÉLUS 1982-2020**

IRWIN, Peter A.	Guelph, ON	2000
IRWIN, W. Wayne	London, ON	1995
ISAACSON, Michael	Vancouver, BC	1995
ISABELLE, Henri	St. Lambert, QC	1987
ISGOR, O. Burkan	Corvallis, OR	2018
ISHERWOOD, Brian	Mississauga, ON	1999
ISMAIL, Sayed	Fredericton, NB	2001
ISYUMOV, Nicholas	London, ON	1996
JAEGER, Leslie G.	Halifax, NS	1983
JAMES, Peter	London, ON	1986
JAMES, William	Guelph, ON	1985
JAY, John	Halifax, NS	1997
JIN, Gordon	St. John's, NF	2003
KOCH, Verlin	Calgary, AB	2009
JOFRIET, Jan C.	Guelph, ON	1992
JOHNSON, Claude D.	Thunder Bay, ON	1985
JORDAAN, Ian J.	St. John's, NF	1990
JULL, David E.	Toronto, ON	1998
JURIMAE, Jaak	Toronto, ON	2002
KATOPODIS, Christos	Winnipeg, MN	2012
KATSANIS, Constantine	Montreal, QC	2017
KEARNEY, James H.	Toronto, ON	1987
KEENAN, Paul T.	Agincourt, ON	1997
KELLERHALS, Rolf	Heriot Bay, BC	1984
KELLS, James A.	Saskatoon, SK	2003
KENNEDY, John B.	Windsor, ON	1988
KERNAHAN, John	Niagara Falls, ON	1998
KERR, Dennis W.	Dundas, ON	1995
KHAN, Ata M.	Ottawa, ON	1996
KHOUDAY, Amin	Mont Royal, QC	1995
KIERANS, Tom	St. John's, NF	2001
KING, Peter	London, ON	2001
KNOLL, Franz	Laval, QC	1994
KOROL, Robert M.	Hamilton, ON	1987
KRENTZ, Hugh A.	Willowdale, ON	1984
KRIVIAK, Gary	Edmonton, AB	2011
KROMAN, Jadwiga	Calgary, AB	2004
KULLMAN, Rick	Saskatoon, SK	2004
KWAN, Helen Po Jen	Hong Kong	2012
LABOSSIERE, Pierre	Sherbrooke, QC	2006
LACHEMI, Mohamed	Toronto, ON	2010
LADANYI, Branko	Montréal, QC	1983
LALACH, Patrick	Saskatoon, SK	2019
LAM, Clifford St.	Catharines, ON	2007
LAMARRE, Bernard	Montréal, QC	1983
LANGAN, Peter	Toronto, ON	2007
LANGLOIS, Emile	Sillery, QC	1991
LANGLEY, Wilbert	Lower Sackville, NS	1990
LANTAGNE, Georges	Québec, QC	1995

## CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2020

LANTEIGNE, Ann	Yellowknife, NT	2008
LANYI, Richard	Edmonton, AB	2004
LARIVIERE, Roger	Montreal, QC	1985
LAU, David T.	Ottawa, ON	2003
LAUGHTON, Peter J.	Allison, ON	1997
LAVIGUEUR, Gilles	Verdun, QC	1984
LAWRENCE, Gregory	Vancouver, BC	2013
LEBLANC, Sylvain	Dieppe, NB	2011
LECLERC, André	Québec, QC	1992
LECLERC, Anne-Marie	Quebec, QC	2007
LEFLER, James C.	Woodstock, ON	1996
LÉGER, Pierre	Montréal, QC	2008
LESTER, W. Barry	Calgary, AB	1997
LEXIER, Easton I.	Winnipeg, MB	1990
LIU, Guo Xin (Andrew)	Regina, SK	2013
LODEWYK, Sid	Edmonton, AB	2017
LOOV, Robert	Calgary, AB	1988
LOSIER, Ronald	St. Isidore, NB	2019
LOWE, Paul	White Rock, BC	2009
LUKEY, Albert	Regina, SK	1984
LUPIEN, Claude	Sherbrooke, QC	1991
LYE, Leonard	St. John's, NF	2002
MACDONNELL, Ralston E.	Halifax, NS	2000
MACHIBRODA, Paul	Saskatoon, SK	1995
MACKENZIE, Alistair	Burlington, ON	1998
MACKENZIE, Kenneth	St. Catharines, ON	1992
MACLAREN, James W.	Sarnia, ON	1984
MADSEN, Borg	North Vancouver, BC	1989
MAILHOT, Guy	Montreal, QC	2018
MAILLARD, Pierre-Louis	Montréal, QC	1997
MAINALI, Arbind	Edmonton, AB	2014
MAK, Garry	Saskatoon, SK	2000
MAMET, Jean-Claude	St. Lambert, QC	1996
MARCIL, J.R. Maurice	Ste-Dorothée, QC	1989
MARSHALL, Donald G.	Oakville, ON	1999
MARTIN, Robert M.	St. Catharine's, ON	1998
MARTINI, Orlando V.	Etobicoke, ON	1994
MARTONI, Ciro	Montréal, QC	1997
MARZOUK, Hesham	St. John's, NF	1998
MASSICOTTE, Bruno	Montreal, QC	2005
MASSIERA, Michel	Moncton, NB	1990
MAURENBRECHER, A.H. Paul	Ottawa, ON	2000
MAVINIC, Donald S.	Vancouver BC	1994
MCBEAN, Edward	Guelph, ON	2010
MCCABE, Brenda	Toronto, ON	2007
MCCALLA, John H.	Nepean, ON	1994
MCCALOUR, Thomas C.	Etobicoke, ON	1990
MCCLURE, Ghyslaine	Montréal, QC	2008
MCCORQUODALE, J. Alexander	Windsor, ON	1989

**CSCE FELLOWS / FELLOWS SCGC  
ELECTED/ÉLUS 1982-2020**

MCDONALD, Rodger	Regina, SK	2004
MCDONNELL, Robert	Antigonish, NS	1988
MCFARLANE, Howard W.	Fredericton, NB	1982
MCGINNIS, Lloyd R.	Winnipeg, MB	1985
MCGRATH, Richard	Ottawa, ON	2009
MCKAY, Robert L.	Surrey, BC	2002
MCKEVITT, William	Vancouver, BC	2001
MCLEAN, Steve	St. John's, NL	2007
MCMANUS, R.N.	Edmonton, AB	1983
MCNALLY, Patrick J.	Burlington, ON	1983
METTEN, Andrew	Vancouver, BC	2002
MILBURN, Robert C.	Yellowknife, NWT	1998
MIRZA, Bashir	Karachi, PAKISTAN	1989
MIRZA, Cameran	Willowdale, ON	1985
MIRZA, M. Saeed	Montréal, QC	1982
MIRZA, Sher Ali	Thunder Bay, ON	1992
MISENER, Donald K.	St. Catharines, ON	1993
MITCHELL, Denis	Pointe-Claire, QC	1992
MOIR, Frank C.	Toronto, ON	1993
MONTGOMERY, James	Edmonton, AB	2005
MONTY, Guy	Outremont, QC	1983
MOORE, Ian	Kingston, ON	2015
MORANTZ, Norman	Montréal, QC	2001
MORGENSTERN, Brian Douglas	Vancouver, BC	2003
MORRALL, John F.	Calgary, AB	1998
MORRIS, Glenn A.	Winnipeg, MB	1982
MORRISON, Kenneth A.	Willowdale, ON	1996
MOSELHI, Osama E.	Montréal, QC	1994
MOULDING, Herbert C.	Kelowna, BC	1983
MUDRY, Nestor	Winnipeg, MB	1983
MUFTI, Aftab A.	Halifax, NS	1984
MULLIGAN, Catherine	Montréal, QC	2015
MUNRO, Bert	Saskatoon, SK	2008
MURRAY, H. Ramsay M.	Victoria, BC	1991
MUTRIE, James G.	North Vancouver, BC	1999
MUZYCZKA, Walter	Winnipeg, MB	2004
NASSER, Karim W.	Saskatoon, SK	1995
NAVIN, Francis P.D.	Vancouver, BC	1988
NEALE, Kenneth	Sherbrooke, QC	1993
NEHDI, Moncef	London, ON	2020
NEILL, Charles R.	Edmonton, AB	1983
NEIS, Vernon V.	Kelowna, BC	1986
NELL, Peter	John's, NF	2004
NEWHOOK, John	Halifax, NS	2017
NEWTON, Linda	Ottawa, ON	2014
NG, Bosco Chiu Yin	Hong Kong	2014
NICOLET, Roger R.	Montréal, QC	1988
NICOLL, Murray	Dartmouth, NS	1998
NISTOR, Ioan	Ottawa, ON	2016

# CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2020

NOËL, Bernard	St. Lambert, QC	2002
NOVAKOWSKI, Kent	Kingston, ON	2017
O'CONNOR, Huntley	Regina, SK	2017
O'HALLORAN, Daniel P.	Halifax, NS	1990
OJALA, Peter	Markham, ON	2004
OLESZKIEWICZ, Jan A.	Winnipeg, MB	1995
OLSEN, Harvey	Calgary, AB	2000
OUELLET, Yvon	Ste-Foy, QC	1988
PACKER, Jeff	Toronto, ON	2016
PAGANUZZI, Peter	Montreal, QC	2000
PALERMO, Dan	King City, ON	2018
PALL, Avtar	Montreal, QC	2003
PARCHEWSKY, Nicholas	Hinton, AB	1984
PARDOE, Maurice F.	Saskatoon, SK	1992
PAULTRE, Patrick	Sherbrooke, QC	1997
PEBERDY, Bruce	Regina, SK	2018
PEKAU, Oscar A.	Montreal, QC	2011
PENTLAND, Edward R.	Langley, BC	2010
PENTLAND, Ray S.	Regina, SK	1997
PERKS, Alan R.	Ottawa, ON	1996
PERRY, Victor H.	Calgary, AB	1999
PETERSON, Arthur E.	Edmonton, AB	1996
PICARD, André	Québec, QC	1991
PICKLE, Randy	Oshawa, ON	2004
PIETRASZEK, Tomasz	Montreal, QC	2020
PIGEON, Michel	Ste-Foy, QC	1992
PLOURDE, François	Laval, QC	2005
POITRAS, Gérard	Moncton, NB	2014
POLAK, Maria Anna	Waterloo, ON	2020
POSCHMANN, Anne	Mississauga, ON	2006
POULIN, Rock	Ville Mont-Royal, QC	2002
PRINCE, George S.	Victoria, BC	1991
PRION, Helmut	Vancouver, BC	2005
PROULX, Jean	Sherbrooke, QC	2019
PUTZ, Gordon	Saskatoon, SK	2005
QUAILE, Allan T.	Newmarket, ON	2002
QUICK, Michael C.	Vancouver, BC	1997
RAINER, J. Hans	South Surrey, BC	1995
RAJAPAKSE, Nimal	Vancouver, BC	2000
RAJARATNAM, Nallamuthu	Edmonton, AB	1993
RAMAMURTHY, Amruthur S.	Montréal, QC	1998
RAMSAY, James A.	Toronto, ON	1983
RANKIN, Jeff	Fredericton, NB	2015
RASMUSSEN, Peter	Winnipeg, MB	2011
RASSEM, Mohsen	Regina, SK	2020
RAZAQPUR, Abdul Ghani	Hamilton, ON	1998
REICHERT, Jeff	Saskatoon, SK	2009
REICHERT, Karl A.	Milton, ON	2002
REITER, Jonathan	Victoria, BC	2020

# CSCE FELLOWS / FELLOWS SCGC

## ELECTED/ÉLUS 1982-2020

REMISZ, Wojciech	Nepean, ON	2005
RENNEBERG, Russel James	Edmonton, AB	2000
RETZLAFF, Harold	Regina, SK	2010
RICHARD, Alcide	Moncton, NB	2020
RICHARD, Guy	Quebec, QC	2008
RICHTER, Susan H.	St. John's, NL	1998
RITCHIE, J. Keith	North York, ON	1990
RIZKALLA, Sami	Winnipeg, MB	1992
ROBINSON, Ronald	Bowmanville, ON	2005
ROBINSON FAYEK, Aminah	Edmonton, AB	2020
ROHACEK, Edward J.	Don Mills, ON	2000
ROTHENBURG, Leo	Waterloo, ON	2008
ROUSSELLE, Jean	Montréal, QC	1990
ROWE, R. Kerry	Kingston, ON	1998
ROY, Jean Jacques	Moncton, NB	2003
RUSHFORTH, Andrew J.	Victoria, BC	2001
RUSSELL, Alan David	Vancouver, BC	2000
RUSSELL, S.O. (Dennis)	Vancouver, BC	1988
RUWANPURA, Janaka	Calgary, AB	2014
SAATCIOGLU, Murat	Ottawa, ON	2007
SALTZBERG, Walter	Winnipeg, MB	2007
SAYED, Tarek	Vancouver, BC	2013
SCANLON, Andrew	Edmonton, AB	2016
SHECKENBERGER, Ron	Millgrove, ON	2012
SCHROEDER, Kenneth	Hamilton, ON	1990
SCHUBACK, Robert	Port Coquitlam, BC	2008
SCHUSTER, Reinhold	Waterloo, ON	2001
SCHWINGHAMER, A. (Al) J.	Moose Jaw, SK	1996
SELBY, David A.	Montréal, QC	1986
SELVADURAI, Patrick A.	Montréal, QC	1989
SENNAH, Khaled	Toronto, ON	2011
SEXSMITH, Calvin	Saskatoon, SK	2007
SEXSMITH, Robert G.	West Vancouver, BC	1988
SHARP, James J.	St. John's, NF	1984
SHEFFIELD, Peter	Toronto, ON	1999
SHEHATA, Medhat	Richmond Hill, ON	2016
SHEIKH, Shamim	Toronto, ON	2010
SHIRLAW, Michael R.	Toronto, ON	1986
SHOME, Manas	Edmonton, AB	2019
SHRIVE, Nigel	Calgary, AB	2006
SIMMONDS, Sidney	Edmonton, AB	1993
SIGVALDASON, Oskar T.	Oakville, ON	2000
SIMONOVIC, Slobodan	London, ON	2008
SIU, Konrad	Edmonton, AB	2004
SKELTON, Roy	Mississauga, ON	2001
SLATER, W.M.	Toronto, ON	1988
SLEEP, Brent	Toronto, ON	2017
SMITH, Alan A.	Dundas, ON	1996
SMITH, Clifford D.	Saskatoon, SK	1982



## CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2020

SMITH, Daniel W.	Edmonton, AB	1988
SMITH, H. Leslie	Vancouver, BC	1986
SNYDER, Harold L.	Stanstead, QC	1982
SOUTHWARD, Ralph	Burlington, ON	2001
SPARKS, Sherry	Moncton, NB	2015
SPARLING, Bruce	Saskatoon, SK	2006
SPRIET, Andrew M.	London, ON	2000
SPRINGFIELD, John	Toronto, ON	1984
SRIVASTAVA, N.K.	Moncton, NB	1987
STAPLES, Larry	Edmonton, AB	2001
STEGGLES, William A.	Toronto, ON	2002
STERPARN, Graham	Edmonton, AB	2007
STIEMER, Siegfried	Surrey, BC	2000
STOLLE, Dieter	Hamilton, ON	2013
STRAKA, Vera	Don Mills, ON	2002
SUTER, Gerhard	Victoria, BC	1995
SUTHERLAND, Jack	Regina, SK	2011
SUECOVA, Dagmar	Winnipeg, MB	2015
SVESCOVA, Dagmar	Winnipeg, MB	2015
SWEENEY, Robert A.P.	Montréal, QC	1996
SWEETNAM, Albert	Toronto, ON	2005
TADROS, Gamil	Calgary, AB	2014
TAIT, Michael	Hamilton, ON	2016
TAIT, Robert	Burlington, ON	1990
TANAKA, Hiroshi	Gloucester, ON	1989
TANENBAUM, Joseph	Toronto, ON	2001
TATHAM, C.C.	Collingwood, ON	2000
TAY, David C.K.	Agincourt, ON	2001
TAYLOR, David E.	Calgary, AB	2002
TAYLOR, Donald A.	Ottawa, ON	1993
TAYLOR, Peter R.	North Vancouver, BC	1996
TEMPLE, Murray C.	St. Clair Beach, ON	1983
TEMPLETON, David S.	St. John's, NF	1989
THOMPSON, Chris D.	Brampton, ON	1983
THOMPSON, Kirk	Ottawa, ON	2011
TIGHE, Susan	Waterloo, ON	2019
TILLER, Rick	St. John's, NL	2011
TINAWI, René	Montréal, QC	1990
TOUCHIE, Boyd	Moncton, NB	1986
TOUTANT, Daniel	Laval, QC	1998
TOWNSEND, Ronald	Gloucester, ON	1990
TREMBLAY, Jacques	Shawinigan, QC	1986
TREMBLAY, Robert	Montréal, QC	2004
TRENHOLM, Sherry	Moncton, NB	2015
TREVOR, Bernard	Sherwood Park, AB	2018
TROTTIER, Guy	Ste-Foy, QC	1989
TUREK, Michael E.	London, ON	2001
TURKSTRA, Carl J.	Hamilton, ON	1982
TURNBULL, Andrew	London, ON	2014

**CSCE FELLOWS / FELLOWS SCGC  
ELECTED/ÉLUS 1982-2020**

ULYATT, Norman B.	Winnipeg, MB	1998
UNSWORTH, John	Cochrane, AB	2017
VALSANGKAR, Arun	Fredericton, NB	2005
VAN DUSEN, H. Al	Agincourt, ON	1985
VAN NGUYEN, Van-Thanh	Montreal, QC	2017
VAUGHAN, J. Philip	Halifax, NS	1982
VECCHIO, Frank	Toronto, ON	2015
VENTURA, Carlos	Vancouver, BC	2001
VICKERS, T. Victor E.	Qualicum Beach, BC	1991
VIERHUIS, Hans	Markham, ON	2005
VINCENT, Claude	Québec, QC	1997
VINCENT, Richard B.	Pointe-Claire, QC	1996
VIRARAGHAVAN, T.	Regina, SK	1991
VIZER, Andrew	Vancouver, BC	1999
WALLACE, John A.	Burnaby, BC	2006
WALLACE, Reginald	Toronto, ON	2001
WALLER, Donald H.	Halifax, NS	1983
WATT, W. Edgar	Kingston, ON	1991
WAUGH, Lloyd	Fredericton, NB	2002
WEBER, Orlan John	Edmonton, AB	1994
WEILER, Gerry	Burnaby, BC	2000
WEISMAN, Simon	North York, ON	2000
WHETEN, Waldo A.	Hamilton, ON	1995
WHITMORE, David	Winnipeg, MB	2010
WIDEMAN, R. Max	Vancouver, BC	1994
WIGHAM, John A.	Saskatoon, SK	1988
WIJEWICKREME, Dharma	Burnaby, BC	2013
WILKINS, Ernest B.	Victoria, BC	1996
WILSON, Bruce.	Fredericton, NB	2020
WILSON, Frank R.	Fredericton, NB	1983
WILSON, Kenneth	Victoria, BC	2001
WINDSOR, Neil	Lewisport, NF	2012
WIRASINGHE, Chan	Calgary, AB	2001
WOINOWSKY-KRIEGER, A.	Sillery, QC	2002
WONG, Alfred	Markham, ON	2016
WREFORD, Geoffrey	Calgary AB	1999
WRIGHT, Douglas T.	Waterloo, ON	1984
WRIGHT, Peter M.	Toronto, ON	1983
WU, Peter L.	Mississauga, ON	2013
YANFUL, Ernest	London, ON	2011
YAREMKO, Eugene K.	Edmonton, AB	1997
ZAYED, Tarek	Montreal, QC	2016
ZBEETNOFF, Joseph G.	Prince Albert, SK	1991
ZWICKER, Wade	Edmonton, AB	2018
ZYTNER, Richard G.	Guelph, ON	2018

**PAST RECIPIENTS (since 1992)**  
**ANCIENS LAURÉATS (depuis 1992)**

**PRIX WALTER SHANLY AWARD**

2001	Simaan AbouRizk
2002	Alan D. Russell
2003	Osama Moselhi
2004	Peter Dozzi
2005	John Christian
2006	Lloyd Waugh
2007	Sabah Alkass
2009	Siri Fernando
2012	Aminah Robinson Fayek
2013	Janaka Ruwanpura
2014	Carl Haas
2015	Mohamed Al-Hussein
2016	Thomas Froese
2017	Tony Bégin
2018	Mohamed Attalla

**PRIX SANDFORD FLEMING AWARD**

1999	Ralph Haas
2000	Bruce Hutchinson
2001	Francis Navin
2002	John Morrall
2003	Said Easa
2004	Frank Wilson
2005	A.O. Abd El Halim
2006	Alan Clayton
2007	Lynne Cowe Falls
2008	Anne-Marie Leclerc
2010	Tarek Sayed
2011	Andrew Horosko
2012	Neil Irwin
2013	Cathy Lynn Borbely
2017	Eric Hildebrand
2018	Baher Abdulhai
2019	Amer Shalaby

**PRIX W. GORDON PLEWES AWARD**

1992	Robert F. Leggett
1993	Gilles Desaulniers
1994	Phyllis Rose
1995	Roy Minter
1996	Robert W. Passfield
1997	Georges-Hébert Germain
1998	Ken Coates
1999	Mark Andrews
2000	Norman R. Ball
2001	Robert G. Harvey
2002	Michel L'Hébreux
2003	Andrew H. Wilson
2004	Jerry Disher
2005	Ralph Cryslar
2006	Richard Wallace White
2007	Roberta M. Styran
2010	Theresa Charland
2013	Eric Jamieson
2017	Siobhan Roberts
2018	Kenneth Johnson
2019	Roger Dorton

**MÉDAILLE HORST LEIPHOLZ MEDAL**

1992	N.R. Thompson & J.F. Sykes
1993	M. Isaacson, E. O'Sullivan, & J. Baldwin
1995	Branko Ladanyi
1996	Ricardo O. Foschi
1998	Archibald N. Sherbournne
1999	Ian Jacques Jordaán
2000	Nimal Rajapakse
2002	Kenneth Neale
2007	Leslie Jaeger
2008	Baidar Bakht
2012	Nemy Banthia
2013	Dharma Wijewickreme
2014	Frank Vecchio
2015	Ghani Razaqpur
2016	Ashraf El Damatty
2017	Moncef Nehdi
2018	Shamim A. Sheikh

## **PAST RECIPIENTS (since 1992)**

### **ANCIENS LAURÉATS (depuis 1992)**

#### **MÉDAILLE ALBERT E. BERRY MEDAL**

1992	Donald S. Mavinic
1993	Gerhard William Heinke
1994	Norbert W. Schmidtke
1995	William K. Oldham
1996	J. Glynn F. Henry
1997	Donald R. Stanley
1998	Jan Oleszkiewicz
2000	Peter Huck
2001	Peter J. Laughton
2002	George Powell
2003	Orlando Martini
2005	Ronald L. Droste
2006	T. Viraraghavan
2007	Boyd Touchie
2008	Rodger McDonald
2011	Nihar Biswas
2013	Patrick Hettiarachi
2014	Maria Electorowicz
2016	Robert Andrews
2017	Heather MacLean

#### **PRIX CAMILLE A. DAGENAIS AWARD**

1992	B.G. Krishnappan
1993	Michael Isaacson
1994	Nallamuthu Rajaratnam
1995	J. Alexander McCorquodale
1996	Michael C. Quick
1997	M. Selim Yalin
1998	Dale I. Bray
1999	Spyros Beltaos
2003	Ronald Townsend
2004	Peter Steffler
2005	Slobodan Simonovic
2006	William James
2007	Chris Katopodis
2008	Faye Hicks
2009	Edward McBean
2010	A.S. Ramamurthy
2011	Barry Adams
2012	Greg Lawrence
2013	Ana de Silva
2014	Brian Morse
2016	Bryan Karney
2017	David Zhu
2019	Ramaswami Balachandar

#### **PRIX E. WHITMAN WRIGHT AWARD**

1992	Siegfried F. Stiemer
1993	Mehmet N. Baltacioglu
1994	Alan A. Smith
1995	Donald Grierson
1996	Mo-Shing Cheung
1998	George Casoli
2001	Jag Mohan Humar and Kohn Krahn
2002	Simaan AbouRizk
2003	Patrick Paultre
2004	Douglas Stewart
2005	Alan Russell
2006	Gamil Tadros
2007	David Lau
2008	Pierre Léger
2009	René Tinawi
2010	Jean Proulx
2011	Frank Vecchio
2013	George Akhras
2014	Murat Saatcioglu
2015	Ashraf El Damatty

**PAST RECIPIENTS (since 1992)  
ANCIENS LAURÉATS (depuis 1992)**

**PRIX A.B. SANDERSON AWARD**

1992	John Springfield
1993	Amin Ghali
1994	James G. MacGregor
1995	Krishnan G. Bassi
1996	Peter G. Buckland
1997	Michael P. Collins
1998	Noel D. Nathan
1999	Gamil Tadros
2000	Sami Rizkalla
2001	Peter Taylor
2002	Walter Dilger
2003	Jag Mohan Humar
2004	Baidar Bakht
2005	Denis Mitchell
2006	Aftab Mufti
2007	Robert Sexsmith
2008	Amin Khouday
2009	Ron DeVall
2010	Robert Loov
2011	Sher Ali Mirza
2012	Ghani Razaqpur
2013	Khaled Sennah
2014	Tom Brown
2015	Murat Saatcioglu
2016	Denis Beaulieu
2017	Patrick Paultre
2018	F. Michael Bartlett
2019	Jeffrey Packer

**PRIX JEUNE INGÉNIEUR PROFESSIONNEL/  
YOUNG PROFESSIONAL ENGINEER AWARD**

2015	Katelyn Fréçon
2016	Mark Scanlon
2017	Leslie Symon
2018	Thomas G. Mara
2019	Steven Oosterhof

**PRIX JAMES A. VANCE AWARD**

1992	Anthony Kruyse
1993	Barry DeV. Batchelor
1994	Bruce Hutchinson
1995	Glenn Morris
1996	Sami H. Rizkalla
1997	Baidar Bahkt
1998	James J. Sharp
1999	William Hibbard & Kenneth A. Morrison
2000	James Kells
2001	David Innes
2002	Guy Gosselin
2003	Richard Denham
2004	Gordon Jin
2005	Todd H.T. Chan
2006	Pierre Asselin
2007	Randy Pickle
2008	Moe Cheung
2009	James Garland
2010	Said M. Easa
2011	Reg Andres
2012	Sherry Sparks
2013	Tony Bégin
2014	Brian Burrell
2015	Brad Smid
2016	Glenn Hewus
2017	Jeff Rankin
2018	John Newhook
2019	Gopal Achari

**GOVERNMENTAL LEADERSHIP IN SUSTAINABLE  
INFRASTRUCTURE / LEADERSHIP GOUVERNE-  
MENTAL EN INFRASTRUCTURES DURABLES**

2012	City of Edmonton
2013	Ville de Québec
2014	Waterfront Toronto
2015	SaskPower
2016	City of Edmonton
2017	City of Vancouver
2019	Infrastructure Canada

## **PAST RECIPIENTS (since 1992)**

### **ANCIENS LAURÉATS (depuis 1992)**

#### **EXCELLENCE IN INNOVATION IN CIVIL ENGINEERING AWARD / PRIX D'EXCELLENCE EN INNOVATION DANS LE DOMAINE DU GÉNIE CIVIL**

2008	Jeffrey Alan Packer, Constantin Christopoulos, Carlos de Oliveira & Michael G. Gray
2009	Association of Professional Engineers & Geoscientists of BC; BC Ministry of Education; Seismic Peer Review Committee; and the University of British Columbia - Department of Civil Engineering, Earthquake Engineering Research Facility
2010	DIALOG, Lafarge Canada and the University of Calgary
2013	Ministry of Transportation, Ontario
2014	Halifax Regional Water Commission
2015	Buckland and Taylor
2016	Lock-Block Ltd
2019	City of Moncton, Avenir Centre

#### **LA BOURSE DONALD JAMIESON FELLOWSHIP**

1992 & 1993	Diana Inculat
1994 & 1995	Robert Driver
1996 & 1997	Claire Girard
1998 & 1999	Scott Benson
2000	Dan Palermo
2002 & 2003	Adam Lubell
2004 & 2005	Lisa R. Feldman
2006	Ved Prakash Sharma
2009	Michael G. Gray
2010 & 2011	Sébastien Langlois
2012 & 2013	Fei Tong
2014	Yamen Elbahi
2017	Jean-françois Belleau
2019	Pedram Mortazavi

#### **PRIX DONALD R. STANLEY AWARD**

2006	Jeffrey W.A. Charrois, Jessica M. Boyd, Kenneth L. Froese & Steve E. Hruddy
2007	Stéphanie Bougie & Jean-Sébastien Dubé
2008	K.P. Fattah, Y. Zhang, D.S. Mavinic & F.A. Koch
2009	Chen He & Jiri Marsalek
2012	Beatrice B. Yung, Bryan A. Tolson & Donald H. Burn
2013	Ryan I. Thoren, Jim Atwater & Pierre Berube
2014	Kerry Rowe and Yan Yu
2015	Gregory Courtice, Abul Basar M. Baki, David Z. Zhu, Christopher Cahill, William M. Tonn
2017	Mamert Mbonimpa, Médard Bouda, Isabelle Demers, Mostafa Benzaazoua, Denis Bois, and Mario Gagnon
2019	Kerry Rowe and Yan Yu

#### **PRIX STEPHEN G. REVAY AWARD**

2005	Aminah Robinson Fayek, Manjula Dissanayake & Oswaldo Campero
2007	A.D. Russell, P. Tawiah & S. De Zoysa
2009	Brenda McCabe, Catherine Loughlin, Ramona Munteanu, Sean Tucker & Andrew Lam
2012	Mahdi Salehi Sichani, Sanghyun Lee & Aminah Robinson Fayek
2013	Ahmed Atef, Hesham Osman, & Osama Moselhi
2014	Aminah Robinson Fayek and Adel Awad
2015	Aminah Robinson Fayek and Abraham Assefa Tsehayae
2016	Farnaz Sadeghpour and Mohsen Andayesh
2018	Tarek Salama, Ahmad Salah and Osama Moselhi

**PAST RECIPIENTS (since 1992)**  
**ANCIENS LAURÉATS (depuis 1992)**

**PRIX P.L. PRATLEY AWARD**

1992	F.M. Bartlett, P.G. Buckland & D.J. Laurie Kennedy
1993	A. Mufti, L. Jaeger, B. Bakht & L.D. Wegner
1994	D. Beaulieu & André Picard
1995	Tarek Ebeido & John B. Kennedy
1996	M. Bruneau, J.C. Wilson & R. Tremblay
1997	K.M. Sennah & John B. Kennedy
1998	S.D. Leitch & F.M. Bartlett
1999	Sylvanus Marshe & Mark F. Green
2000	Amin Ghali, Mamdouh El Badry & Sami Megally
2001	T.G. Brown, I.J. Jordaan & K.R. Croasdale
2002	F. Michael Bartlett & J. Peter C. King
2004	Dongning Li, Marc A. Maes & Walter H. Dilger
2006	Daman K. Panesar & F. Michael Bartlett
2007	Emile Shehata & Aftab Mufti
2008	Ahmed K. El-Sayed & Brahim Benmokrane
2010	Guy Mailhot
2012	Reid Coughlin & Scott Walbridge
2015	Samy Muhammad Reza, M. Shahria Alam and Solomon Tesfamariam

**MÉDAILLE THOMAS G. KEEFER MEDAL**

1992	S.J. Stanley & R. Gerard
1993	K.W. Biggar, D.C. Sego & M.M. Noël
1994	K.Y. Lo, J. Q. Shang & I.I. Incullet
1995	M. Isaacson, N. Whiteside, R. Gardiner & D. Hay
1996	S. Easa, A.O. Abd El Halim & Y. Hassan
1997	Hua Zhong Mao & Daniel W. Smith
1998	François Anctil, Nicolas Martel & Van Diem Hong
1999	Robert Chapuis
2000	R. Kerry Rowe, Chris J. Caers, Glenn Reynolds & Cliff Chan
2001	Laurie Neilson-Welch & Leslie Smith
2002	D. Dixon, N. Chandler, J. Graham & M.N. Gray
2003	Brian Morse, Masoud Hessami & Céline Bourel
2004	R. Martel, L. Trépanier, B. Lévesque, G. Sanfançon, P. Brousseau, M-A. Lavigne, L-C. Boutin, P. Auger, D. Gauvin & L. Galarneau
2005	Mustafa A. Samad & Ernest K. Yanful
2006	Reagan McIsaac & R. Kerry Rowe
2007	H.K. Zare & R.E. Baddour
2008	Jennifer L. Kerr, Zhenyu Guo, Daniel W. Smith, Greg G. Goss & Miodrag Belosevic
2009	G. Adriana Camino, David Z. Zhu, Nallamuthu Rajaratnam & Manas Shome
2010	Michael Isaacson
2012	W.T. Menzies, G.A. Fenton, C.B. Lake & D.V. Griffiths
2013	Farshid Nazari, Yee-chung Jin, & Ahmad Shakibaenia
2014	Bonnie Dobchuk, Craig Nichol, G. Ward Wilson and Michel Aubertin
2015	Shaghayegh Pournazeri, S. Samuel Li and Fariborz Haghghat
2016	Steven Daly, Brian Morse and Richard Martin
2017	Shooka Karimpour and Vincent H. Chu
2018	Biswajit Nandi, Pamela Chelme-Ayala, Mohamed Gamal El-Din and Mark Loewen
2019	Brian Morse, Ekaterina Kharik, Varvara Roubtsova, Mario Fafard, Alain Côté and George Comfort

## **PAST RECIPIENTS (since 1992)**

### **ANCIENS LAURÉATS (depuis 1992)**

#### **MÉDAILLE CASIMIR GZOWSKI MEDAL**

1992	A. Brattland & D.J.L. Kennedy
1993	F.Z. Yao, B. Folz & R.O. Foschi
1994	Michel Bruneau
1995	P.A. Irwin, S. Gamble & Donald A. Taylor
1996	G.C. McRostie, I. Morissette & M.W. St-Louis
1997	Gamil Tadros
1998	A.G. Sherif & W.H. Dilger
1999	Michael P. Collins & Khaldoun N. Rahal
2000	P. Labossière, K.W. Neale, P. Rochette, M. Demers, P. Lamothe, P. Lapierre & R. Desgagné
2001	M. Saatcioglu, D. Mitchell, R. Tinawi, N.J. Gardner, A.G. Gillies, A. Ghobarah, D. L. Anderson & D. Lau
2002	B.J. Schmidt & F. Michael Bartlett
2003	D. Mitchell, P. Tremblay, E. Karacabeyli, P. Paultre, M. Saatcioglu & D.L. Anderson
2004	Dan Yang, Ernest Naesgaard, Peter M. Byrne, Korhan Adalier, and Tarek Abdoun
2005	Kianoosh Hatami & Richard J. Bathurst
2006	Martin Lacerte & Robert Tremblay
2007	Peter H. Bischoff
2008	Richard J. Bathurst, Tony M. Allen, and Andrzej S. Nowak
2009	Hamid Toopchi-Nezhad, Michael J. Tait, & Robert G. Drysdale
2010	J. Paul Dittrich, R. Kerry Rowe, Dennis E. Becker & K.Y. Lo
2012	Elena Nuta, Constantin Christopoulos & Jeffrey A. Packer
2013	E.T. Bowman, W.A. Take, K.L. Rait, & C. Hann
2014	Raafat El-Hacha and Khaled Soudki
2015	Hanping Hong, Thomas Mara, Robert J. Morris, Sihan Li and Wei Ye
2016	Hadi Ghofrani, Gail M. Atkinson, Luc Chouinard, Philippe Rosset and Kristy F. Tiampo
2017	Suze Youance, Marie-Jose Nollet, and Ghyslaine McClure
2018	Ian Jordaan, Kevin Hewitt and Robert Frederking
2019	Murat Saatcioglu & Abdullah Al Mamun

#### **CAN-AM AMITY AWARD**

1992	Robert (Larry) Gerard
1993	M. Saeed Mirza
1995	Branko Ladanyi
1996	Nicolas Isyumov
2001	Hugh Krentz
2011	Don Hayley



**CANADIAN NATIONAL CONCRETE CANOE COMPETITION**

2019	Polytechnique Montréal
2018	École de technologie supérieure
2017	École de technologie supérieure
2016	École de technologie supérieure
2015	Université Laval
2014	Université Laval
2013	Université de Sherbrooke
2012	Université Laval
2011	Université Laval
2010	École de technologie supérieure
2009	École de technologie supérieure
2008	École de technologie supérieure
2007	Université de Sherbrooke
2006	Université de Sherbrooke
2005	Université Laval
2004	Université Laval
2003	Université Laval
2002	Université Laval
2001	Université Laval
2000	Université Laval
1999	École de technologie supérieure
1998	University of Toronto
1997	Université Laval
1996	Université Laval

**CSCE-CISC CANADIAN NATIONAL STEEL BRIDGE COMPETITION**

2019	École de technologie supérieure
2018	École de technologie supérieure
2017	École de technologie supérieure
2016	École de technologie supérieure

**CAPSTONE COMPETITION**

2019	University of Ottawa
2018	Université de Sherbrooke
2017	University of Waterloo
2016	Carleton University
2015	École Polytechnique
2014	Université de Sherbrooke
2013	Carleton University

**STUDENT PAPER COMPETITION**

2019	Mohamed Eladawy, University of Sherbrooke
2018	Henry Helmer-Smith, Royal Military College of Canada
2017	Udai Hassein, Ryerson University (General Conference Category)
2016	Mohammad Moravvej
2015	Nathan Bruce
2014	Magdy Ibrahim, Concordia University
2013	Taofiq Al-Faesly, University of Ottawa

## **PAST WINNERS**

### **CSCE HYDROTECHNICAL ENGINEERING AWARD**

2016	Bryan Adam, Marriner, University of Alberta
2015	James Bomhof, University of Ottawa
2014	Peter John Thompson, University of Waterloo
2013	Philippe St-Germain, University of Ottawa
2013	Sandra Proulx-McInnis, Université de Québec
2012	Abdullah Al Mamun, University of British Columbia
2011	Michael Wagner, University of Alberta
2010	Audrey Roy-Poirier, Queen's University
2009	Adam Auckland, University of Ottawa
2008	Bishnu Gautam, University of Saskatchewan
2007	Shoham Ahmad, University of Western Ontario
2006	Vernon Brown, Queen's University
2005	Twyla Hutchison, University of Alberta
2004	Aurelie Goater, University of British Columbia
2003	Veronique M. Morin, University of Alberta

### **GREAT NORTHERN CONCRETE TOBOGGAN RACE**

2017	Queens University
2016	Western University
2015	University of Calgary
2014	University of Alberta
2013	Western University
2012	Ryerson University
2011	University of Calgary
2010	University of Alberta
2009	University of Manitoba
2008	University of Waterloo
2007	Université de Sherbrooke
2006	Royal Military College of Canada
2005	Carleton University
2004	University of Calgary
2003	University of Manitoba
2002	University of Waterloo
2001	University of British Columbia
2000	University of Calgary
1999	University of Manitoba
1998	University of Waterloo
1997	University of Waterloo
1996	École Polytechnique de Montréal
1995	University of Waterloo
1994	Universität Stuttgart
1993	University of Alberta
1992	Université de Sherbrooke
1991	École de technologie supérieure
1990	École Polytechnique de Montréal
1989	University of Calgary
1988	University of British Columbia
1987	University of British Columbia
1986	Southern Alberta Institute of Technology
1977	University of British Columbia
1975	Southern Alberta Institute of Technology

### **TROITSKY BRIDGE BUILDING COMPETITION**

2017	McMaster University
2016	McMaster University
2015	Cégep de Chicoutimi
2014	Cégep de Chicoutimi
2013	Cégep de Chicoutimi

# **MEMBERS OF HONOURS AND FELLOWSHIPS COMMITTEE / MEMBRES DU COMITÉ DES DISTINCTIONS**

**2019**

- Gordon Jin, St. John's (Chair)
- Michael Bartlett, London
- Cathy Lynn Borbely, Regina
- Dan Burns, Calgary
- James Garland, Pickering
- David Innes, Fredericton
- Jean-Luc Martel, Montreal
- Randy Pickle, British Columbia
- Lloyd Waugh, Fredericton
- Wade Zwicker, Edmonton (ex officio)
- Vic Perry, Calgary
- Niharendu Biswas, Windsor
- Lyanne St. Jacques, Montreal (CSCE National Office)

# COMITÉS DE SÉLECTION

## SELECTION COMMITTEES 2019 - 2020

### CAREER AWARDS / PRIX DE CARRIERE

#### PRIX A.B. SANDERSON AWARD

Ashraf El Damatty, London (Chair/Président)  
Ehab El-Salakawy, Winnipeg  
Mark Scanlon, Edmonton  
Adel Zaki, Montreal

#### MÉDAILLE ALBERT E. BERRY MEDAL

Ron Droste, Ottawa  
Nihar Biswas, Windsor  
Jan Oleszkiewicz, Winnipeg  
Peter Huck, Waterloo

#### PRIX CAMILLE DAGENAIS AWARD

Mike Bender, Calgary  
Ana Da Silva, Kingston  
Greg Lawrence, Vancouver  
Brian Morse, Québec

#### PRIX E. Whitman Wright AWARD

Simon Foo, Gatineau  
David Lau, Ottawa  
Jeff Rankin, Fredericton  
Samir Chidiac, Hamilton  
George Akhras, Kingston

#### PRIX JEUNE INGÉNIEUR PROFESSIONNEL/YOUNG PROFESSIONAL ENGINEER AWARD

##### Prix Regional Award - Atlantic

Samuel Richard, Moncton (VP)  
Jeff Rankin, Fredericton  
Jérémie Aubé, Moncton  
Brandon Searle, Fredericton  
Haibo Niu, Halifax  
Helen Zhang, St.John's  
Robert Praeg, Fredericton

##### Prix Regional Award - Quebec

Frédéric Brunet, Montreal  
Jean-Luc Martel, Montreal  
François Leprince, Québec  
Jennifer C. Tran, Montreal

##### Prix Regional Award – Western

Min Sun, Victoria  
Annie Wang, Calgary

#### National Award

Nicholas Kaminski  
James Garland, Whitby  
Michael Bartlett, London

#### MÉDAILLE HORST LEIPHOLZ MEDAL

Khaled Sennah, Toronto, (Chair/President), Ottawa  
Burkan Isgor, Oregon  
Sharia Alam, Kelowna  
Beatriz Martin-Perez, Ottawa

#### PRIX JAMES A. VANCE AWARD

Glenn Hewus, Ottawa (President)  
Susan Tighe, Waterloo  
Jim Gilliland, Calgary

#### PRIX SANDFORD FLEMING AWARD

Tony Qiu, Edmonton (Chair)  
R.C. Haas, Waterloo  
Martin Trepanier, Montreal  
S.M. Easa, Toronto  
John Morrall, Calgary  
Frank Wilson, Fredericton  
Abd El Halim, Manotick

#### PRIX WALTER SHANLY AWARD

Thomas Froese, Victoria  
Carl Haas, Waterloo  
Mohamed Al-Hussein, Edmonton

#### MÉDAILLE P.L. PRATLEY AWARD

Lisa R. Feldman, Saskatoon (Chair)  
Asif Iqbal, Prince George  
Doug Dixon, Toronto  
Ayan Sadhu, London  
James Zacaruk, Regina

# COMITÉS DE SÉLECTION SELECTION COMMITTEES 2019 - 2020

## BURSARIES/BOURSES

### FELLOWSHIP DONALD JAMIESON FELLOWSHIP

Michael Bartlett, London (Chair)  
Adam Lubell, Vancouver  
Hellen Christodoulou, Montreal  
Ayan Sadhu, London  
Lisa Feldman, Saskatoon

### BEST PAPER AWARDS / PRIX DES MEILLEURES COMMUNICATIONS

#### PRIX DONALD STANLEY AWARD

Rob Simm, (Chair)  
Selma Guigard, Calgary  
Rehan Sadiq  
Kripa Singh

#### MÉDAILLE THOMAS C. KEEFER MEDAL

Niharendu Biswas (Chair/Président), Windsor  
Ana de Silva, Kingston  
Arbind Mainali, Edmonton

#### MÉDAILLE CASIMIR GZOWSKI MEDAL

Shahria Alam  
Lydell Wiebe, Hamilton (Chair)  
Bruno Bussiere  
Asif Iqbal

## INSTITUTIONAL AWARDS / PRIX INSTITUTIONNELS

### GOVERNMENTAL LEADERSHIP IN SUSTAINABLE INFRASTRUCTURE/ LEADERSHIP GOUVERNE- MENTAL EN INFRASTRUCTURES DURABLES

#### Regional Award - Atlantic

Samuel Richard, Moncton (VP)  
Jeff Rankin, Fredericton  
Jérémy Aubé, Moncton  
Brandon Searle, Fredericton  
Haibo Niu, Halifax  
Helen Zhang, St.John's  
Robert Praeg, Fredericton

#### Regional Award - Quebec

Frédéric Brunet, Montreal  
Jean-Luc Martel, Montreal  
François Leprince, Québec  
Jennifer C. Tran, Montreal

#### Prix Regional Award – Western

Min Sun, Victoria  
Stephanie Dalo, Vancouver

#### National Award

Nick Larson, Toronto (Co-Chair/Co-President)  
Michael Benson, Fredericton  
Brandon Searle, Fredericton  
Susan Jacob, Hamilton

**CSCE EXCELLENCE IN INNOVATION IN CIVIL  
ENGINEERING AWARD/PRIX D'EXCELLENCE  
EN INNOVATION**

**Regional Award - Atlantic**

Samuel Richard, Moncton (VP)  
Jeff Rankin, Fredericton  
J r mie Aub , Moncton  
Brandon Searle, Fredericton  
Haibo Niu, Halifax  
Helen Zhang, St. John's  
Robert Praeg, Fredericton

**Prix Regional Award – Ontario**

Peter Calcetas, Woodbridge  
Alex Andrenkov, Burlington

**National Award**

George Akhras, Kingston  
Tony B gin, St. Georges-de-Beauce  
Dan Burns, Calgary

**CSCE ANNUAL CONFERENCES /  
CONGRES ANNUELS DE LA SCGC**

1972 Saskatoon, SK (with EIC)  
1973 Montr al, QC (with EIC)  
1974 Toronto, ON (with EIC and Union  
Pan-American D'Ingeneiros (UPADI))  
1975 Winnipeg, MB (with EIC)  
1976 Halifax, NS (with EIC)  
1977 Victoria, BC (with APEBC – now APEGBC)  
1978 Toronto, ON (with CSME –  
no General Meeting)  
1979 Montr al, QC  
1980 Winnipeg, MB  
1981 Fredericton, NB  
1982 Edmonton, AB  
1983 Ottawa, ON  
1984 Halifax, NS (with EIC)  
1985 Saskatoon, SK  
1986 Toronto, ON  
1987 Montr al, QC (with EIC)  
1988 Calgary, AB  
1989 St. John's, NL  
1990 Hamilton, ON  
1991 Vancouver, BC  
1992 Qu bec, QC  
1993 Fredericton, NB  
1994 Winnipeg, MB  
1995 Ottawa, ON  
1996 Edmonton, AB  
1997 Sherbrooke, QC  
1998 Halifax, NS  
1999 Regina, SK  
2000 London, ON  
2001 Victoria, BC  
2002 Montr al, QC  
2003 Moncton, NB  
2004 Saskatoon, SK  
2005 Toronto, ON  
2006 Calgary, AB  
2007 Yellowknife, NT  
2008 Qu bec, QC  
2009 St. John's, NL  
2010 Winnipeg, MB  
2011 Ottawa, ON  
2012 Edmonton, AB  
2013 Montr al, QC  
2014 Halifax, NS  
2015 Regina, SK  
2016 London, ON  
2017 Vancouver, BC  
2018 Fredericton, NB  
2019 Laval, QC

**PAST-PRESIDENTS OF THE CSCE /  
ANCIENS PRÉSIDENTS DE LA SCGC**

- 1971-72 John Bell, West Vancouver, BC  
(Founding President)
- 1972-73 Camille A. Dagenais, Montréal, QC
- 1973-74 Harold L. Macklin, Toronto, ON
- 1974-75 Eric C. Garland, Fredericton, NB
- 1975-76 D.J. Laurie Kennedy, Windsor, ON
- 1976-77 John (Jack) Priestman, Victoria, BC
- 1977-79<sup>1</sup> Peter R. Hart, Toronto, ON
- 1979-80 Jerry W. Disher, Hamilton, ON
- 1980-81 Marcel Frenette, Québec, QC
- 1981-82 Peter M. Wright, Toronto, ON
- 1982-83 W.A. Filer, Ancaster, ON
- 1983-84 Ira M. Beattie, Fredericton, NB
- 1984-85 Clifford D. Smith, Saskatoon, SK
- 1985-86 M. Saeed Mirza, Montréal, QC
- 1986-87 Chris D. Thompson, Brampton, ON
- 1987-88 Daniel W. Smith, Edmonton, AB
- 1988-89 Peter Smith, Mississauga, ON
- 1989-90 Stephen G. Revay, Montréal, QC
- 1990-91 H. Keith Bowers, Saskatoon, SK
- 1991-92 Martin C. Jones, Toronto, ON
- 1992-93 Leslie G. Jaeger, Halifax, NS
- 1993-94 Claude Johnson, Thunder Bay, ON
- 1994-95 P. Daniel Burns, Calgary, AB
- 1995-96 Jules Houde, Montréal, PQ
- 1996-97 Michael Ircha, Fredericton, NB
- 1997-98 Mel Hosain, Saskatoon, SK
- 1998-99 Alan Perks, Ottawa, ON
- 1999-00 Georges Archer, Montréal, QC
- 2000-01 Robert Loov, Calgary, AB
- 2001-02 Ronald Townsend, Ottawa, ON
- 2002-03 Denis Beaulieu, Québec, QC
- 2003-04 David Innes, Fredericton, NB
- 2004-05 Cathy Lynn Borbely, Regina, SK
- 2005-06 Alistair MacKenzie, Burlington, ON
- 2006-07 A. Ghani Razaqpur, Hamilton, ON
- 2007-08 Lloyd M. Waugh, Fredericton, NB
- 2008-09 Guy Gosselin, Ottawa, ON
- 2009-10 Gordon Jin, St. John's, NL
- 2010-11 Vic Perry, Calgary, AB
- 2011-12 Randy Pickle, Oshawa, ON
- 2012-13 Jim Kells, Saskatoon, SK
- 2013-15 Reg Andres, Toronto, ON
- 2015-16 Tony Bégin, St-Georges-de Beauce, QC
- 2016-17 Jim Gilliland, Calgary, AB
- 2017-18 Susan Tighe, Waterloo, ON
- 2018-19 Glenn Hewus, Ottawa, ON
- 2019-20 Michel Khouday, Montréal, QC

<sup>1</sup> A change in the fiscal year resulted in Peter Hart serving a nineteen-month term as President.

Canadian Society for  
Civil Engineering



Société canadienne  
de génie civil