

Canadian Society for  
Civil Engineering



Société canadienne  
de génie civil

# 2019 Honours, Awards and Fellowships

Prix, distinctions  
honorifiques et  
fellowship



CANADIAN SOCIETY FOR CIVIL ENGINEERING  
GROWING WITH YOUTH - CROÎTRE AVEC LES JEUNES

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**UNIVERSITY OF WATERLOO**  
**FACULTY OF ENGINEERING**  
Department of Civil &  
Environmental Engineering



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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, ten members are distinguished through their election as Fellows and six 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, Excellence in Innovation in Civil Engineering and a Young Professional Engineering Award. As well, the authors of three technical papers will be receiving best paper awards, one of which, the Sir Casimir Gzowski Medal, is Canada's oldest civil engineering award. We are also acknowledging the student awards at this year's gala, including: Canadian National Concrete Canoe Competition, Canadian National Steel Bridge Competition, Capstone Competition, President's Award for Best Student Chapter and various best papers.

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.

**Glenn Hewus,**  
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 dix membres qui sont honorés avec leur admission au Fellowship, et six 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, pour l'excellence en innovation associée au génie civil et un prix pour un jeune ingénieur professionnel. Également, les auteurs de trois 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. Nous voulons également reconnaître les prix remis aux étudiants cette année au gala, notamment : Compétition nationale canadienne de canoë de béton, Compétition Nationale Canadienne de Pont d'acier, Concours Capstone, Prix du président du meilleur chapitre étudiants, et les concours de la communication.

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.

**Glenn Hewus,**  
Président

# CSCE CANADIAN NATIONAL CONCRETE CANOE COMPETITION



*The first Canadian National Concrete Canoe Competition (CNCCC) took place in 1994 and has been going strong ever since. It is modeled after the annual concrete canoe competition organized by the American Society of Civil Engineers and is held annually in May. The competition consists of design presentations, races, and social events.*

This year's event took place at École Polytechnique Montréal from May 15-18, 2019. Eighteen teams from universities across Canada and Mexico competed in the competition and although all the teams deserve great applause, there was only one winner.

## CONGRATULATIONS TO THE 2019 WINNER **Polytechnique Montréal**



# CSCE-CISC CANADIAN NATIONAL STEEL BRIDGE COMPETITION



*This year marks the 4th Canadian National Steel Bridge Competition co-organized by the Canadian Society for Civil Engineering and the Canadian Institute of Steel Construction. It is modeled after the National student steel bridge competition co-organized by the American Institute of Steel Construction and the American Society of Civil Engineers. The teams design a steel bridge and then build it in a timed competition. There was also oral presentations*

This year's event took place at École Polytechnique Montréal from May 15-18, 2019. Eighteen teams from across Canada, Mexico, China and Puerto Rico competed for the ultimate prize.

## CONGRATULATIONS TO THE 2019 WINNER École de technologie supérieure (ÉTS)



# CSCE CAPSTONE COMPETITION

The CSCE Capstone Competition began in 2013 as a way for senior undergraduate students to showcase their final year, or CAPSTONE, project. The CAPSTONE project is the cornerstone of many accredited civil engineering programs in Canada. Each civil engineering program in Canada is invited to submit a nomination for a single entry into the competition in any specialty area. Two student members from each nominated team are expected to attend the annual CSCE conference to present their project in a poster session before a panel of judges. The winner and runners-up will be announced at the conference gala.

## Teams participating in the 2019 Capstone Competition:



School	Project Title	Presenter 1	Presenter 2
1 Ryerson University	Bowstring Arch Bridge Design	Luiza Curzio	Shayan Jalali
2 University of New Brunswick	Design solution for the development of a new residence building	William Christensen	Riley Tanner
3 University of Ottawa	Prince of Wales Bridge Rehabilitation	Sofia Drummond-Borges	Arnaud Vadeboncoeur
4 Queen's University	Hospital Structural Design Report	Sara Carreiro	Adam Hardy
5 University of Manitoba	Preliminary Design Study for the Extension of Warde Avenue from St. Anne's Road to Lagimodiere Boulevard	Chris Tarry	Kirby Bridges
6 University of Saskatchewan	Stadium Parkade Expansion	Carmen Giesbrecht	Rhett Soderberg
7 Université de Sherbrooke	Conception d'un Bâtiment pour logements étudiants	Cédric Gauthier	Sébastien Clouter
8 University of Alberta	3-storey Office Building, penthouse & 2 underground parkade levels	Matthew Mcphee	Brendan Lucyk
9 Université de Moncton	Étude géotechnique et la stabilisation d'ensemble d'un bâtiment fondé sur un remblai gagné sur le fleuve à Montréal	Bakery Kaba	Catherine Ouellet
10 University of Waterloo	Rehabilitation and Enhancement of Toronto's Wilket Creek	Mike Wong	Manal Chaudhry
11 Western University	Victoria Bridge Replacement - Ridout Street over Thames River	Eric Robinson	Chris Paroshy
12 Lakehead University	Redesigning the Superstructure of James Street Bridge, Thunder B	Borislav Todorov	Kyle Wilson
13 Université Laval	Reconstruction du Pont P-01246 - Étude d'avant projet	Pierre Thibault	Karolane Bédard
14 McGill	Construction of Teton-2 Dam	Julianna Fischer	Kandace Kwong
15 University of Toronto	Conceptual Structural Design of Large Sports Stadium: Port One Stadium	Andrew Young	Jerry Zhai
16 York University	Richmond Hill Multi-Modal Transitway Station Design	Jordan Santorsola	Syed Husain
17 Memorial University	Road Works & Stormwater Detention of Beaumont Hamel Way	Heidi Coish	Ryan Gregory
18 Concordia University	Fusion Office Building Design	Sami Hamidi	Xuanbo Wang
19 UBC Okanagan	BC Hydro and Power Authority La Joie Dam Project	Sathika Witharana	Chris Schmalz



2018 National CAPSTONE Design Competition Participants with Judges, Fredericton, NB

# **PRESIDENT`S AWARD FOR THE BEST STUDENT CHAPTER**

*The President's Award is intended to recognize the most dynamic CSCE Student Chapters in Canada. The Student Affairs committee evaluates Annual Report submissions and the winners are chosen based on chapter goals, membership recruitment and engagement, professional activities and special events to benefit communities, and sound bookkeeping*

This year 26 student chapters submitted their annual reports and applications for the President's Best Chapter Award. The Student Affairs committee was very impressed by the accomplishments and professionalism of the chapters and decided to recognize the top three chapters, the most improved chapter and honourable mentions for consistent performance.

CONGRATULATIONS TO THE 2019 WINNERS

## **FIRST PLACE (PRESIDENT`S BEST CHAPTER AWARD)**

British Columbia Institute of Technology (BCIT), Burnaby



## **SECOND PLACE**

University of Waterloo,  
Waterloo

## **THIRD PLACE**

Université Laval,  
Québec

## **MOST IMPROVED CHAPTER**

University of Ottawa, Ottawa

## **HONOURABLE MENTION**

Consistent Performance:  
Consistent Performance:  
Consistent Performance:

Western University, London  
University of British Columbia, Vancouver  
University of New Brunswick, Fredericton

# **CSCE STUDENT PAPER COMPETITION**

*The CSCE Student Paper Competition is held every year at the CSCE Annual Conference to recognize excellence in student research papers and presentations.*

The 2019 competition received over 250 entries, out of which 20 were shortlisted to compete in the oral presentation stage of the competition at Laval, Quebec. The winners in each of the following specialty and general conference categories will be announced at the conference gala.

**7th International Construction Conference  
Jointly with the Construction Research Congress (CRC 2019)**

**7th International Conference on  
Engineering Mechanics and Materials**

**17th International Environmental Conference**

**24th Hydrotechnical Conference**

**CSCE General Conference**





## ASHUTOCH BAGCHI

Dr. Ashutosh Bagchi is currently a Professor and Chair at the Department of Building, Civil and Environmental Engineering at Concordia University, Montreal. After receiving a Bachelor's degree in Civil Engineering at Jadavpur University, Kolkata, India in 1989, Dr. Bagchi joined a consulting engineering company. He earned a Master of Science Degree in Civil Engineering at the Indian Institute of Technology (IIT), Madras, India in 1993; and a Ph.D. degree in Civil Engineering at Carleton University, Canada in 2001. He worked in the software industry for some time before joining as a Postdoctoral Fellow at Carleton University, Ottawa and later moved to the University of Manitoba, Winnipeg as a NSERC PDF and Manager of the Structural Health Monitoring

Support Centre. He joined Concordia University as an Assistant Professor in 2004, promoted to Associate Professor in 2009, and became a Professor in 2016. Dr. Bagchi is an accomplished researcher in the domains of structural health monitoring (SHM), earthquake engineering, fiber reinforced polymer in civil engineering structures, and extreme load effects in structures. He graduated more than twenty students at the Master's and PhD levels, and published more than 150 articles in peer reviewed journal and conference proceedings. In 2016, he received a Teaching Excellence Award at Concordia. Dr. Bagchi is a P.Eng. licensee in Ontario, and he is active with many professional societies including CSCE, ASCE, CAEE, EERI, ISHMII, and ISET. He is currently a member of the following divisions of CSCE: Structural Engineering, and Engineering Mechanics and Materials.



## GHISLAIN DIONNE

Ghislain Dionne obtained a B.A.Sc. in Civil Engineering in 1989 and his PhD in Civil Engineering in 1996 from Laval University. His graduate studies were about the evaluation and the reinforcement of slab-on-steel girder bridges. During his graduate studies, Mr. Dionne received graduate research awards from NSERC and FCAR for his research in transportation. He has also been the recipient of the Adrien-Pouliot Award (1989), the AQTR Award of merit (1993) and has also received the P.L. Pratley Award for the best paper in the field of Bridge Engineering (1994).

Mr. Dionne has been working as a bridge engineer since 1995 for engineering consulting firms. First, he joined Dessau Group, where he worked for 14 years. Later on, in 2009 he joined CIMA+ and became an associate, holding the position of Senior Bridge Director at the Laval Headquarters Office.

Mr. Dionne's career focused mainly on the design, evaluation and rehabilitation of bridges. For almost 25 years, he has been involved in numerous constructions of new bridges and the rehabilitation of existing bridges. Because of his expertise, Mr. Dionne often acts as the leader in major transportation projects in the metropolitan region of Montreal. His ability to coordinate multiple teams and take into consideration all aspects of multidisciplinary projects enables him to provide an integrated project that meets the needs expressed by any given client.

Mr. Dionne has contributed and/or presented many technical reports and publications over the years. He also helped to revive the CSCE – student chapter of Montreal in 2013 and has been involved in the CSCE – student chapter since then.



## **KEN GALM**

Ken Galm was born and raised in the farming community of Alliance, AB and earned his BSc. in Civil Engineering from the U of A in 1987. After graduation, Ken began his consulting engineering career at BPTEC Engineering Ltd. As an E.I.T., Ken had the opportunity to work on the Dudley B. Menzies LRT Bridge Project over the North Saskatchewan River and he was hooked, receiving his P.Eng. in 1990. Since then Ken has specialized in the structural design of bridges, as well as the design of buildings, industrial projects and fall protection systems. While working full time, with a young family, Ken earned his M.Eng. in 1997 from the UofA. In 2006, Ken became a Director at BPTEC.

Ken and his wife, Barb, have two adult daughters and one son-in-law. Selina is a theatre technician and is married to Warren, a heavy-duty mechanic. Jennifer is at MacEwan University completing a Bachelor of Communication Studies.

As a member of the CSCE, since joining as a student member, Ken is a frequent attendee at Edmonton Section events. Ken is a member of APEGA and NPEGA. Ken was a member of the Edmonton Society of Structural Engineers (ESSE), which helped bring about the requirement of continued education for professional engineers.

Ken is a dedicated social curler and is active in his local K of C council, including the organization of eight mission trips to Jamaica. Ken receives enjoyment from fishing, skiing, diving, travelling, and, of course, taking photos of bridges.



## **ROSA GALVEZ**

The Honourable Rosa Galvez is a civil engineer, a full professor at Université Laval in Québec and a Senator for Québec. She received in 1985 a degree in sanitary engineering from the Universidad Nacional de Ingeniería in Lima, Peru, as well as a master's degree in 1988 and a doctorate in 1994 in environmental engineering from McGill University. Since 1995, she is a researcher and professor at Université Laval, having headed the department of civil and water engineering from 2010 to 2016. Throughout her career, she has undertaken important research on soil decontamination, water and wastewater treatment processes, hazardous waste management, environmental impact assessments, and much more. She has been recognized as an expert on the international stage, having collaborated with the

Italian National Research Council and the Commission of Environmental Cooperation of NAFTA amongst other international agencies.

Rosa Galvez has often been recognized by her peers. Namely, she received the Best Technical Editor award from International ASTM, the Excellence in Transport – Environment award from the Quebec Transport Association and the 2018 Meritorious Service Award for Professional Service from Engineers Canada.

In 2016, Rosa Galvez was appointed to the Senate of Canada by recommendation of Prime Minister Justin Trudeau. She is now Chair of the Senate Standing Committee on Energy, the Environment and Natural Resources, and much of her recent work has focused on environmental legislation including the proposed modernization of Canada's environmental impact assessment system



## PAUL GAUVREAU

Paul Gauvreau is Professor in the Department of Civil and Mineral Engineering at the University of Toronto. He received his BSc from the University of Victoria in 1981, MSE from Princeton University in 1983, and Dr.sc.techn. from the Federal Institute of Technology (ETH Zurich) in 1993.

Prior to joining the University of Toronto in 2002, Professor Gauvreau worked for seventeen years in full-time bridge design practice. From 1997 to 2002, he was Principal of the firm J. Muller International and manager of their office in New York City. His design experience includes major precast segmental bridges, post-tensioned concrete bridges, as well as complex bridge rehabilitation and

seismic retrofit projects.

Professor Gauvreau's research at the University of Toronto focuses on the development and validation of highly efficient structural systems for bridges. He has developed innovative structural systems using conventional materials, new materials such as ultra high-performance concrete, and new combinations of materials such as timber/concrete composite systems. He has written extensively on bridge aesthetics.

He is a member of the Technical Committee of CSA Standard S6 (Canadian Highway Bridge Design Code) and Chair of Technical Subcommittee 8 (Concrete Structures) for this standard, and member of the Technical Committee of the Canadian Precast/Prestressed Concrete Institute. He is a Fellow of the Canadian Precast/Prestressed Concrete Institute.



## PATRICK LALOCH

Patrick Laloch graduated from the University of Saskatchewan with a Bachelor of Science in Civil Engineering, with Distinction, in 1995. He has spent his entire 24+ year career in Saskatchewan, focussed in the Transportation Engineering field. Patrick's career started with UMA Engineering Ltd, an employee owned Canadian company founded in Saskatoon in 1911, and transitioned through AECOM and now with CIMA+, an employee owned Canadian national company. Patrick is a Partner and Director at CIMA+, with responsibility to grow and develop their operations, presence and expertise in the Transportation sector across Western Canada.

Patrick has most recently been involved in Alternative Delivery projects within Saskatchewan, including being on the Owner's side, managing the Technical Advisor Team on the North Commuter Parkway and Traffic Bridge Project in

Saskatoon; as well as the Lead Design Consultant side as the Design Manager on the Circle Drive South Design Build Project and currently on the City of Saskatoon Interchange Project. He has extensive experience on all other aspects of transportation projects across western Canada.

He has been active in the professional community, having served on Executives for the Canadian Institute of Transportation Engineers (President, Saskatchewan Region), the Canadian Society for Civil Engineering (Saskatoon Section Chair; and Vice President, Prairies Region) and with the Transportation Association of Canada (Road Safety Standing Committee Member). Most recently Patrick has served on the ACEC – Transportation Executive Committee and is a current Board Member on the ACEC – SK Executive. He also contributed in key roles on Local Organizing Committees for National Conferences hosted in Saskatchewan, including CITE, TAC and CSCE in 2004 and he will be the Co-Chair of the CSCE 2020 Conference in Saskatoon.

Patrick is a member of the Pike Lake Cottage and Watershed Association Board, where he and his wife and family enjoy their cottage. Over the past year Patrick's wife Stormy Holmes has been the President of the Association of Professional Engineers and Geoscientists of Saskatchewan, which has brought Patrick great perspective on the wider challenges of our engineering community.



### RONALD LOSIER

After obtaining his Bachelor of applied science (civil engineering) in 1988, Ronald Losier, began his career as an engineer/foreman at St-Isidore asphalt. He was promoted to the post of Chief Engineer and estimator in 1992 and then became Vice President and Chief Engineer of the company in 2008. He is currently co-owner and Vice President of the company.

Mr. Losier is the head of a team that manages the company with over 250 employees and a turnover of \$40 million annually. In business since 1969, St-Isidore asphalt has been proven in the areas of road construction. The company works in three sectors, from the earthwork and construction of roads, the manufacturing of aggregates and the production and laying of asphalt.

St-Isidore asphalt work in the residential, commercial, industrial and government sectors, and is present on all the territories of New Brunswick. Under the leadership of Mr. Losier, over the past years, the company has completed many major projects in the province totaling more than \$175 million. Mr. Losier is also co-owner and vice-president of St-Isidore Ready-Mix.

At the level of charitable contributions, St-Isidore asphalt gives, among others, to universities, museums, students and sports organizations for hundreds of thousands of dollars annually.

Ronald Losier, distinguished himself as a leader in the Acadian Peninsula because of his commitment to his community economic development as well as through its support of non-profit organizations, including the Foundation Alice and Lionel Breau and the CBDC - Acadian Peninsula. He is also co-owner of several businesses in the region.



### JEAN PROULX

Jean Proulx est professeur au département de génie civil et de génie du bâtiment de l'Université de Sherbrooke depuis 1994. Dès le début de sa carrière, il s'investit en enseignement dans les domaines de l'analyse des structures, de la conception des ouvrages en béton armé, des communications graphiques, de la programmation, et de la dynamique des structures. Il participe au développement d'outils éducatifs pour l'analyse des structures. Il reçoit d'ailleurs le Prix Whitman Wright de la Société canadienne de génie civil (SCGC) en 2010. Membre de la SCGC depuis 1990, il a été président du Comité des affaires étudiantes de la SCGC de 1999 à 2004 et éditeur associé de la Revue canadienne de génie civil de 2007 à 2011.

En 2012, le Pr. Jean Proulx devient directeur du département et s'implique fortement dans le développement et le lancement, en 2016, d'un nouveau programme de baccalauréat en génie du bâtiment, une première en français au Canada, qui vise à former des ingénieurs spécialisés dans la conception intégrée des bâtiments. Le Pr. Proulx est un des membres co-fondateurs du Centre de recherche en génie parasismique de l'Université de Sherbrooke ainsi que du Centre d'études des structures sous charges extrêmes, qui regroupe plusieurs chercheurs en structures au Québec. Impliqué dans les essais dynamiques des grands ouvrages de génie civil depuis le début des années 90, il a collaboré dans plusieurs campagnes de mesures de vibrations sismiques des barrages. Chercheur invité chez Suisse Énergie, il a développé des outils de mesure et d'analyse du comportement sismique des barrages, avec des applications sur certains des plus grands barrages en béton dans le monde. Il a également participé à des projets de recherche sur le comportement sismique des ponts et des bâtiments. Auteur et co-auteur de plus de 100 publications avec comités de lectures et de plus de 50 rapports techniques, le Pr. Proulx a dirigé et co-dirigé plus de 50 étudiants aux études supérieures.



### MANAS SHOME

Based in Edmonton, Manas is a Principal Engineer at Matrix Solutions, a Calgary based environmental engineering consulting firm. He provides technical leadership on water resources engineering projects. Born and raised in Bangladesh, he obtained a B.Sc. and M.Sc. in Civil Engineering at the Bangladesh university of Engineering and Technology. He moved to Canada in 1989 and earned his Ph.D. in Civil Engineering from the University of Alberta. Manas is a professional engineer registered in five provinces/territories. With over 25 years of experience in Canada and abroad, he frequently serves as an expert witness at regulatory hearings.

Manas was co-recipient of the 2010 Keefer Medal and recipient of the 2015 Excellence in Teaching award from the University of Alberta's Faculty of Extension. Outside his consulting practice, Manas enjoys research, teaching, and watching sports. His research outcomes have been published in prestigious peer-reviewed journals, and in conference proceedings.

Manas has been involved with CSCE since 2000 serving on the Edmonton section in various roles including Chair, and on the organizing committee of the 2012 Annual Conference. He enjoys sharing knowledge with young professionals and encourages their involvement with CSCE to advance their professional development and facilitate information sharing with other professionals. He actively promotes the role of CSCE in supporting civil engineering excellence in Canada.

Married for 31 years to his beautiful wife Nandita, they have two children: Epsita, an Internal Medicine resident at the University of Alberta; and Shamit, an Electrical Engineering student and concurrent professional soccer player for Montreal Impact.



### SUSAN TIGHE

Norman W. McLeod Professor, Deputy Provost and Associate Vice-President Integrated Planning and Budgeting

Susan Tighe, PhD, PEng, FCAE has gained national and international recognition for her outstanding contributions to the development, design, and management of sustainable concrete and asphalt transportation infrastructure. She received her BAsC in Chemical Engineering from Queen's University, her MASc Civil Engineering and PhD in Civil Engineering from the University of Waterloo. She has been a Professional Engineer in the Province of Ontario since 1995 and has been a Professor in the Department of Civil and Environmental Engineering at the University of Waterloo since 2000. She has been involved with projects in Africa, India, Chile, China, Australia, New Zealand and throughout North America and is an author of over 400 technical publications in pavements and infrastructure. Susan has successfully completed over 75 graduate students many of whom are now in academic, public and private sector leadership positions and received the University of Waterloo Graduate Supervision Award.

Her reputation as a scholar, educator, and professional engineer is well illustrated by the breadth of her honours and awards including Canada's Top 40 Under 40, New College of Scholars Royal Society of Canada, Fellow Canadian Academy of Engineering and the Ontario Society of Professional Engineers Medal for Research and Development. Susan has been an active member of CSCE for more than 20 years and recently served as the Past President of the Canadian Society for Civil Engineering.

# BOURSE DONALD JAMIESON FELLOWSHIP



## PEDRAM MORTAZAVI

*Donald Jamieson was a prominent civil engineer in British Columbia, who, until his untimely death in 1983, was the Chair of the 1984 Conference of the International Association of Bridge and Structural Engineers held in Vancouver. The Donald Jamieson Fellowship was established in his honour in 1987. The Fellowship is awarded annually to candidates pursuing full-time graduate studies in structural engineering at a Canadian University.*

The recipient of the Donald Jamieson Fellowship for the 2017-2018 academic year is Pedram Mortazavi.

Pedram Mortazavi, MAsc., PEng. completed his BAsc. (2011) and MAsc. (2014) at the University of Science and Culture, in Tehran, Iran, and Carleton University, respectively. Before his MAsc. studies, he worked as a consultant for more than a year in the industry in Tehran. After his MAsc., he worked as a structural designer at J. L. Richards and Associates Ltd. in Ottawa for two years.

Mr. Mortazavi is currently a Ph.D. Candidate in the Department of Civil and Mineral Engineering at the University of Toronto (UofT), working with Professors Constantin Christopoulos and Oh-Sung Kwon. Mr. Mortazavi's research interest and specialty includes earthquake engineering with design and application of advanced energy-dissipative systems. His current research is focused on the development and experimental validation of Cast-Steel Links in Steel Eccentrically Braced Frames (EBFs). The study aims to develop an off-the-shelf product that when implemented is expected to improve the response of EBFs under earthquakes dramatically. This is a joint project between UofT and CISC member Cast Connex.

Mr. Mortazavi has been involved in the design/retrofit of many projects, both within Canada and internationally. Among the most noteworthy of them are performance-based seismic retrofits of a steel structure with friction dampers in Beijing, and a nuclear facility in Canada. He has also been heavily involved in the peer review of several retrofit projects on heritage buildings. He has been the recipient of several prestigious recognitions including the John Adjeleian Graduate Scholarship in Structural Engineering (2013), Ontario Graduate Scholarship (2016), NSERC Post-Graduate Doctoral Scholarship (2017-2020), John L. Kellerman Fellowship (2017) by CISC, TATP Teaching Excellence Award by the CTSI at UofT (2018), and the G. J. Jackson Fellowship (2019) by CISC-ERC.

Mr. Mortazavi is a member of the Professional Engineers Ontario (PEO), Ontario Society of Professional Engineers (OSPE), Canadian Society for Civil Engineering (CSCE), the Canadian Association for Earthquake Engineering (CAEE), Canadian Institute of Steel Construction (CISC), and a student member of the Earthquake Engineering Research Institute (EERI).

He is currently serving as the President of the EERI Student Chapter at the University of Toronto – a nonprofit organization that seeks to raise awareness on earthquakes through outreach programs, organization of technical seminars, and mentorship of the undergraduate students.

# PRIX CAMILLE DAGENAIS AWARD



## RAMASWAMI BALACHANDAR

*This award was established in 1981 in honour of Mr. Camille A. Dagenais, Past Chairman of the Board of SNC Group Inc., President of the Canadian Society for Civil Engineering in 1972-1973 and one of the most renowned hydrotechnical engineers in the country. The objective of the award is to give recognition to those civil engineers who have made outstanding contributions to the development and practice of hydrotechnical engineering in Canada.*

The recipient of the Camille A. Dagenais Award for 2019 is Ramaswami Balachandar.

Dr. Ram Balachandar is a Professor of Civil and Environmental Engineering at the University of Windsor. He obtained his BEng (1984) from the University of Madras, India, and his PhD (1990) from Concordia University, Montreal, specializing in Hydraulic Engineering. His previous positions include Research Scientist (1993-1995) at Atomic Energy of Canada Limited and Professor of Hydraulic Engineering (1995- 2002) at the University of Saskatchewan.

Dr. Balachandar's research focus has been on open channel flows and fluid-structure interaction using both experimental and computational tools. His research efforts in the area of scour have led to substantially improved design equations. He has attracted funding from granting agencies such as NSERC, OCE, MITACS and also from several Canadian industries. He has successfully supervised 40 MSc, 16 PhD, and 21 post-doctoral/visiting fellows. He has published 150 journal papers, 6 book chapters and over 200 conference papers. He has also delivered several keynote addresses and invited presentations in France, China, India, Iran, USA, Norway etc. He is a recipient of the Petro-Canada Young Engineers award (Saskatchewan) and the Excellence in Research, Scholarship and Creative Activity Senior Researcher Award (Windsor).

Dr. Balachandar has served in several senior administrative roles at the University of Windsor. He served as the Department Head of Civil and Environmental Engineering (2003-2006), Associate Dean of Engineering (2006-2009), Associate Vice-Provost (2009-2013) and recently as the Vice-Provost – International (2013-2017).

Dr. Balachandar currently serves as an Associate Editor for the Canadian Journal of Civil Engineering and is on the editorial board of other journals. He is presently serving on the ASCE Task Committee on Scour at Various In-stream Hydraulic Structures.

## PRIX SANDFORD FLEMING AWARD



### AMER SHALABY

*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 2019 is presented to Amer Shalaby.

Amer Shalaby is a Professor of Civil Engineering at the University of Toronto and Associate Director of the iCity Centre for Automated and Transformative Transportation Systems (iCity-CATTS). He received a B.A.Sc. degree (1988) in Civil Engineering from Ain Shams University in Egypt, and M.A.Sc. (1991) and Ph.D. (1996) degrees from the University of Toronto, specializing in Transportation Engineering. He was a postdoctoral fellow (1996-1997) at the University of Toronto, NSERC Industrial Research Fellow (1997-1998) at IBI Group and assistant professor (1998-2000) at Ryerson University.

Dr. Shalaby has made significant contributions in transit planning and operations, intelligent transportation systems, and transportation planning for large-scale events and mega cities. His research program has produced innovative analytical tools and studies which enriched the state of knowledge and practice in transit planning and management. Dr. Shalaby has delivered consulting services to many transportation organizations in Canada and internationally, and he has offered short courses on public transit planning and modelling to the professional community since 2008. He was awarded the TRB William Millar Award (2015) and ThinkTransit Award of Excellence in Innovation (2019).

Dr. Shalaby is an appointed member of two transit technical committees of the TRB, he serves as associate editor of the Canadian Journal of Civil Engineering and he sits on the editorial board of two international journals. Dr. Shalaby has also served on advisory panels of multiple transportation projects in Canada and internationally. Between 2008 and 2010, Professor Shalaby held an honorary appointment of a visiting scholar at Carnegie Mellon University.



# PRIX A.B. SANDERSON AWARD



## DT. JEFF PACKER

*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 2019 is presented to Dt. Jeff Packer.

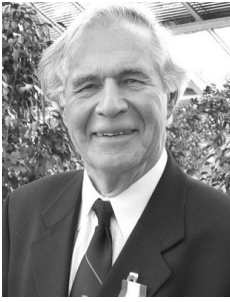
Jeff Packer graduated from the University of Adelaide, Australia in 1972, then received his Master's degree from the University of Manchester (1975) and Ph.D. from the University of Nottingham (1978) in the U.K. He is currently Bahen/Tanenbaum Professor of Civil Engineering at the University of Toronto. Since his appointment at UofT in 1980 he has undertaken research, development and consulting work primarily on tubular steel structures. He has published extensively on this topic, including 15 books and design guides that have prescribed the design procedures for tubular structures in North America.

He currently serves on technical committees for the American Institute of Steel Construction (AISC), American Welding Society (AWS), Comité International pour le Développement et l'Étude de la Construction Tubulaire (CIDECT), Canadian Standards Association (CSA), International Institute of Welding (IIW) and the Steel Tube Institute (STI).

He is a licensed Professional Engineer in Ontario and the U.K., and is a Fellow of CSCE, ASCE, ICE, AAAS, EIC and CAE. He has served on the Editorial Boards of numerous journals, and as a Director of IIW. In 2007 he co-founded Cast Connex Corporation®, a UofT spin-off company that has grown to become the leading provider of tailor-made castings to the steel construction industry in North America.

His awards and honours include: AISC "Special Achievement Award", Doctor of Science degree from the University of Nottingham, CSCE "Excellence in Innovation in Civil Engineering Award", Ontario Professional Engineers "Engineering Medal for Research and Development", CSCE "Casimir Gzowski Medal", ASCE "Shorridge Hardesty Award", and induction into the Canadian Academy of Engineering.

## PRIX W. GORDON PLEWES AWARD



### DR. ROGER A DORTON

*Created in 1992 as the CSCE History of Civil Engineering Award and renamed in 1996 in honour of the late W. Gordon Plewes, author of the CSCE History Program, this award is given annually to an individual who has made particularly noteworthy contributions to the study of the history of civil engineering in Canada or the history of civil engineering achievements by Canadians elsewhere.*

The recipient of the W. Gordon Plewes Award for 2019 is Dr. Roger A Dorton.

One of Canada's most distinguished structural engineers, Roger Dorton received his Ph.D. from Nottingham University in 1954. Renowned for his expertise in bridge design, he was involved in the design and renovation of many famed Canadian bridges, including the Champlain Bridge (Montreal), the A. Murray MacKay suspension bridge (Halifax), and the international Blue Water Bridge (Sarnia). While working at the Ontario Ministry of Transportation (MTO), he was instrumental in introducing the first North American bridge design code in a limit-states format, the Ontario Highway Bridge Design Code (OHBDC). Roger has also contributed to the field of bridge aesthetics and heritage bridge preservation. He has lectured internationally and is an avid collector of antique bridge prints.

Roger has been honoured to serve his profession by being an active member of many professional engineering organizations, including Canadian Society for Civil Engineering (CSCE) and the International Association for Bridge and Structural Engineering (IABSE). He retired in 2010 after a 60-year career, including a partnership with P.L. Pratley in Montreal, 21 years with the Bridge Office of MTO, and seven years with the Vancouver-based Buckland & Taylor.

A fellow of CSCE and founding member of its History Committee, Roger has received honorary doctorates from Queen's University and the University of Waterloo, and the Queen's Diamond Jubilee medal. Roger was appointed a Member of the Order of Canada in 2004 for his pioneering contributions to bridge engineering. In 2017, Roger published his book, *Spanning the Years: Recollection of Six Decades in Bridge Engineering*.

## **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 : BRANDON SEARLE**

Brandon is the Innovation Director of the Off-site Construction Research Centre at UNB. Before joining UNB, Brandon received experience working as an owner, contractor, and consultant. Brandon remained involved in professional associations during his young career. He sits as the CSCE Western NB Section Past-Chair, Atlantic Region Treasurer, and on the AMC. Additionally, he's a Director at Large on the CNAM Board.



#### **Quebec : BENOIT CUSSON**

Benoit Cusson holds a bachelor's degree in civil engineering from the École Polytechnique de Montréal and a master's degree in structures from Laval University. He has seven years of experience with WSP in bridge design and evaluation. He has a great interest in special designs relying on innovative materials.

#### **Western: STEVEN OOSTERHOF (SEE BELOW)**

The recipients of the Young Professional Engineer Award for 2019 is



#### **STEVEN OOSTERHOF**

Steven is an exceptionally talented structural engineer who is passionate about developing creative structural solutions. He completed a doctorate at the University of Alberta, where he received the Vanier Scholarship—considered among Canada's most prestigious academic awards—for his research on the development of practical approaches to improve building performance under extreme loads. Steven continues to contribute to the body of knowledge in the field of structural engineering, authoring 15 technical papers in refereed journals and international conference proceedings, and is currently acting as an industry advisor on several university research projects.

As an associate structural engineer at DIALOG, Steven has already been involved with several high-profile projects across Canada, including the Edmonton Arena District, the Kelly Ramsey Tower, an expansion of the Telus World of Science, and the Calgary Cancer Centre. Architects, Owners, and Contractors enjoy collaborating with Steven because he delivers practical, innovative approaches to challenges that arise throughout design and construction. Beyond project work, Steven is a leader in the development and implementation of disruptive technologies, helping to push the firm and the industry towards the leading edge of innovation in practice.

Steven is deeply involved in the engineering community, serving as the chair of the Consulting Engineers of Alberta's Edmonton Buildings Committee and volunteering through the Alberta Science Network to visit elementary schools to share his excitement for engineering. He has maintained a strong relationship with his alma mater, the U of A, delivering guest lectures, judging student competitions, and providing input to ongoing research programs.

## PRIX JAMES A. VANCE AWARD



### GOPAL ACHARI

*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 2019 Gopal Achari.

Gopal Achari, a CSCE Fellow, is a Professor in the Department of Civil Engineering at the University of Calgary where he has been a faculty member since 1998. He is also the Associate Dean (Research and Graduate Studies) as well as the ex-Director of the Center for Environmental Engineering Research and Education.

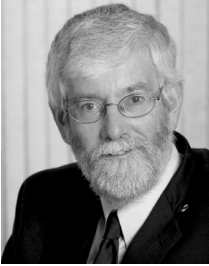
Gopal Achari received his B.Tech. degree in Civil Engineering from Indian Institute of Technology, Delhi, India, and a MSc and a PhD from the University of Calgary. He has been a long term member of CSCE, where he served as the Chair of the Environmental Engineering Division from 2011-2015. Since 2015, he has been serving as the Vice President (PCC-Technical Divisions & Committees). Gopal has helped organise as well as co-chair, CSCE's two international environmental engineering specialty conferences and has chaired numerous technical sessions.

Gopal's research interests include water and wastewater treatment, soil remediation, technology development for treatment of pollution, advanced oxidative processes - especially photo-based processes, geo-polymers, uncertainty analysis and modeling, and greenhouse gas control mechanisms. He has developed technologies for treating polychlorinated biphenyls (PCBs) in soils, sulfolane treatment in soils and water, and LED based water treatment.

Over the years, Gopal has received the APEGA's Environment and Sustainability Award, AsTech Honoree, 3 best paper awards, two teaching excellence awards, graduate research award, graduate educator award, professor of the year and more recently an Immigrant of Distinction Award.

Along with his fellow students and colleagues, Gopal has published over 180 articles in peer reviewed journals and conferences.

## PRIX DONALD R. STANLEY AWARD



### KERRY ROWE, YAN YU

*The Donald R. Stanley Award was established in 2006 in honour of the late Dr. Don Stanley, a leader in the transfer of research and technology into the practice of Environmental Engineering. In 1954, Dr. Stanley founded Stanley Associates Engineering, a one-person operation that has since grown into Stantec Inc., an international, multi-disciplinary organization with 80 locations worldwide. The CSE wishes to acknowledge the generosity of Stantec Consulting Ltd. for the establishment of the initial endowment of the Donald Stanley Award.*



The 2019 Prix Donald R. Stanley Award is granted to Kerry Rowe and Yan Yu for the paper : Modelling Deformation and Strains induced by Waste Settlement in a Centrifuge Test. (cgj-2017-0558.R1)

**Abstract:** A numerical model to estimate the tensile strains (loads) of the geomembrane liner in the waste containment facility due to waste settlement is presented. A centrifuge test of the geomembrane-lined landfill is used to validate the numerical model. The calculated surface settlement at the centre of the landfill and the geomembrane tensile strains on intermediate benches are generally in good agreement with the measured data. Parametric analyses associated with foundation shear strength as well as interface shear strength and stiffness are performed. The influence of geometric nonlinearity on the geomembrane tensile strains is also examined. The numerical analyses indicate that the maximum geomembrane tensile strain occurs at the crest of the side slope near the intermediate bench for the cases and conditions examined. The lessons learned are likely to be useful to landfill design engineers using numerical models to aid in the design of the geosynthetic liner system for the waste containment facilities.

**Key words:** waste settlement, geomembrane tensile strain, geosynthetic liner system, waste containment facility, numerical modeling, FLAC.

# MÉDAILLE THOMAS C. KEEFER MEDAL



## BRIAN MORSE, EKATERINA KHARIK, VARVARA ROUBTSOVA, MARIO FAFARD, ALAIN CÔTÉ AND GEORGE COMFORT

*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 2019 is awarded to Brian Morse, Ekaterina Kharik, Varvara Roubtsova, Mario Fafard, Alain Côté and George Comfort for the paper: Numerical studies for a better understanding of static ice loads on dams. (cjce-2017-0142.R1)



**Abstract:** It is important to anticipate potential maximum ice loads to ensure the structural stability of dams in cold climates. Finite element modeling (FEM) can provide some insights into process mechanisms. Four important ice-loading events on dams are presented and simulated. The measured loads were caused by the thermal expansion of ice together with intermediate water level fluctuations. Only the thermal expansion is modeled by the FEM but the impact of water level fluctuations can increase lateral confinement that increases the predicted load by 36% to 106%, particularly when the cover contains mostly columnar ice. It is demonstrated that the presence of snow ice in the cover can decrease the predicted load by 35% to 53%. The study also demonstrates how initial stresses in the ice can affect the ultimate load and show that the very-difficult-to-manage delayed-elastic strain term need not be included in the material model where preliminary results suffice.

**Key words:** ice loads, finite element model (FEM), lateral confinement, delayed elasticity, choice of a material model

# MÉDAILLE CASIMIR GZOWSKI MEDAL

## MURAT SAATCIOGLU, ABDULLAH AL MAMUN



*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 2019 is awarded to Murat Saatcioglu and Abdullah Al Mamun for their paper on Seismic Fragility Analysis of Pre-1975 Conventional Concrete Frame Buildings in Canada. (cjce-2017-0238)



**Abstract:** Fragility analysis was conducted for reinforced concrete frame buildings in Canada designed based on the 1965 National Building Code of Canada as representative of pre-1975 era of seismic design practice. Two-, five-, and ten-storey buildings were designed for Vancouver and Ottawa, representing buildings in high and medium seismic regions. They were modelled for inelastic response time history analysis, with respective inelastic hysteretic models for flexure and shear. Software PERFORM-3D was used to conduct incremental dynamic analysis under incrementally increasing earthquake intensity. Probabilistic analysis of the results of incremental dynamic analysis led to the development of fragility functions, which can be used as seismic vulnerability assessment tools. The results are compared with those generated for frame buildings designed on the basis of the 2010 NBCC. The comparison indicates that the probabilities of exceeding performance levels are significantly higher for older buildings relative to recently built fully ductile and moderately ductile buildings, respectively.

**Key words:** conventional concrete buildings, ductile concrete buildings, moderately ductile concrete buildings, NBCC, reinforced concrete frame buildings, seismic design, seismic fragility curves, seismic performance, seismic vulnerability assessment.

# **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



## CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2018

ABD EL HALIM, A.O.	Ottawa, ON	1998
ABOURIZK, Simaan	Edmonton, 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
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
BELTAOS, Spyros	Burlington, ON	1989

**CSCE FELLOWS / FELLOWS SCGC  
ELECTED/ÉLUS 1982-2018**

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	Fredericton, NB	2017
BISWAS, Nihar	Windsor, ON	2009
BITSUAMLAK	ON	2017
BLACKWELL, Walter	Toronto, ON	2001
BLAIS, Réjean	St. Jean Chrysostome, QC	1997
BLISS, E. John	Fredericton, NB	1984
BOISSONNAULT	ATL	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, Chi Tsen	Halifax, NS	1995
CHENG, George Chi-Wai	Hong Kong	2018
CHENG, Jung-June Roger	Edmonton, AB	2004
CHERRY, Sheldon*	Vancouver, BC	2000
CHEUNG, Kelvin	Hong Kong, China	2016

## CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2018

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
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
EDAMURA, Hank	Thornhill, ON	2004
EL-BADRY, Mamdouh	Calgary, AB	2005
EL-HACHA, Raafat	Calgary, AB	2018

# CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2018

EI DAMATTY, 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
GAMSA, Simon	Montréal, QC	1993
GARLAND, James	Whitby, ON	2009
GATES, William H.	Halifax, NS	1988
GEHR, Ronald	Montréal, QC	2002
GHALI, Amin	Calgary, AB	1986
GIGNAC, Pierre	Boucherville, QC	2010
GILKIE, Ronald C.	Halifax, NS	1991
GILMOR, Michael I.	Unionville, ON	1992
GORDON, James L.	Pointe-Claire, QC	1989
GOSSELIN, Guy	Ottawa, ON	2007
GRAINGER, Stephen P.A.	St. John's, NL	2018
GREEN, Roger	Waterloo, ON	1985
GREENFIELD, David	Burlington, ON	2001
GRIMBLE, Louis*	Edmonton, AB	2001

## CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2018

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
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, Sussan	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
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
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

**CSCE FELLOWS / FELLOWS SCGC  
ELECTED/ÉLUS 1982-2018**

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
LABOSSIÈRE, Pierre	Sherbrooke, QC	2006
LACHEMI, Mohamed	Toronto, ON	2010
LADANYI, Branko	Montréal, QC	1983
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
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

# CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2018

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
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. Catharines, 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
MCCAVOUR, Thomas C.	Etobicoke, ON	1990
MCCLURE, Ghyslaine	Montréal, QC	2008
MCCORQUODALE, J. Alexander	Windsor, ON	1989
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

# CSCE FELLOWS / FELLOWS SCGC

## ELECTED/ÉLUS 1982-2018

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
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
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



# CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2018

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
PIGEON, Michel	Ste-Foy, QC	1992
PLOURDE, François	Laval, QC	2005
POITRAS, Gérard	Moncton, NB	2014
POSCHMANN, Anne	Mississauga, ON	2006
POULIN, Rock	Ville Mont-Royal, QC	2002
PRINCE, George S.	Victoria, BC	1991
PRION, Helmut	Vancouver, BC	2005
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
RAZAQPUR, Abdul Ghani	Hamilton, ON	1998
REICHERT, Jeff	Saskatoon, SK	2009
REICHERT, Karl A.	Milton, ON	2002
REMISZ, Wojciech	Nepean, ON	2005
RENNEBERG, Russel James	Edmonton, AB	2000
RETZLAFF, Harold	Regina, SK	2010
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
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

**CSCE FELLOWS / FELLOWS SCGC  
ELECTED/ÉLUS 1982-2018**

SAYED, Tarek	Vancouver, BC	2013
SCANLON, Andrew	Edmonton, AB	2016
SCHECKENBERGER, 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
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	ON	2017
SMITH, Alan A.	Dundas, ON	1996
SMITH, Clifford D.	Saskatoon, SK	1982
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
SVECOVA, Dagmar	Winnipeg, MN	2015
SWEENEY, Robert A.P.	Montréal, QC	1996
SWEETNAM, Albert	Toronto, ON	2005
TADROS, Gamil	Calgary, AB	2014

# CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2018

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
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
ULYATT, Norman B.*	Winnipeg, MB	1998
UNSWORTH, John	Cochrane, AB	2017
VALSANGKAR, Arun	Fredericton, NB	2005
VAN DUSEN, H. Al	Agincourt, ON	1985
VANNGUYEN, 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

# CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2018

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, 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

\* Deceased / décédé

**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
2011	Aminah Robinson Fayek
2013	Janaka Ruwanpura
2014	Carl Hass
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

**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 Crysler
2006	Richard Wallace White
2007	Roberta M. Styran
2010	Theresa Charland
2013	Eric Jamieson
2017	Siobhan Roberts
2018	Kenneth Johnson

**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 Jordaen
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

#### **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

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

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

**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

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

2012	City of Edmonton
2013	Ville de Quebec
2014	Waterfront Toronto
2015	SaskPower
2016	City of Edmonton
2017	City of Vancouver

## **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

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

1992 & 1993	Diana Inculc
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 Elbaly
2017	Jean-françois Belleau

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

2006	Jeffrey W.A. Charrois, Jessica M. Boyd, Kenneth L. Froese & Steve E. Hrudey
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

#### **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 C. 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. Inculet
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

## **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

#### **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**

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**

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

**CAPSTONE COMPETITION**

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

**STUDENT PAPER COMPETITION**

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  
HONORIFIQUES ET DES FELLOWS 2017-2018**

- Gordon Jin (Chair)
- Michael Bartlett, London
- Cathy Lynn Borbely, Saskatoon
- Dan Burns, Calgary
- James Garland, Pickering
- David Innes, Fredericton
- Jean-Luc Martel, Montreal
- Randy Pickle, Vernon
- Lloyd Waugh, Fredericton
- Wade Zwicker, Edmonton (ex officio)
- Vic Perry, Calgary
- Lyanne St. Jacques, Montreal (Secretary)

# COMITÉS DE SÉLECTION

## SELECTION COMMITTEES 2017 - 2018

### 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 (Chair)  
James Garland, Whitby  
Karleigh Pihowich, Calgary  
Katelyn Frecon, Regina  
Mark Scanlon, Edmonton

#### MÉDAILLE HORST LEIPHOLZ MEDAL

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

#### 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,  
Carl Haas, Waterloo  
Mohamed Al-Hussein, Edmonton

#### PRIX W. GORDON PLEWES AWARD

Gord Jin, St. John's  
Randy Pickle, Oshawa  
Vic Perry, Calgary  
Dan Burns, Calgary  
David Innes, Fredericton  
James Garland, Pickering  
Jean-Luc Martel, Montreal  
Lloyd Waugh, Fredericton  
Niharendu Biswas, Windsor

# COMITÉS DE SÉLECTION SELECTION COMMITTEES 2017 - 2018

## BURSARIES/BOURSES

### FELLOWSHIP DONALD JAMIESON FELLOWSHIP

Michael Bartlett, London (Chair)  
Adam Lubell, Vancouver  
Hellen Christodoulou, Montreal  
Ayan Sadhu, Waterloo  
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, Hamilton  
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 Begin, St. Georges  
Dan Burns, Calgary

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

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



**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

\* Deceased \*\*Residence during presidency

<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