

## **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, fifteen members are distinguished through their election as Fellows, eight are receiving awards for career achievements in their specialty areas of civil engineering. The Society is granting its sixth Award for Governmental Leadership in Sustainable Infrastructure. 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 engineering award.

This booklet summarizes the career achievements of the recipients of the various honours, awards and fellowships, recognizes special 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 heartfelt congratulations to all award recipients.

Jim Gilliland,  
President

## **AVANT-PROPOS**

La Société canadienne de génie civil rend hommage une fois de plus à ses membres qui se sont distingués par l'ensemble de leur carrière ou par la qualité de leurs communications techniques. Cette année, quinze membres ont été élus au rang de « Fellow », huit recevront des prix pour leur apport, tout au long de leur carrière, dans des domaines précis du génie civil. La société décernera pour la sixième fois le Prix pour le leadership gouvernemental en infrastructure durable. De plus, les auteurs de trois communications recevront des prix pour meilleur communications. Un de ces prix, la médaille Sir Casimir Gzowski, est le prix le plus ancien décerné au Canada dans le domaine du génie.

Cette brochure résume les carrières de nos nouveaux « Fellows » et lauréats, souligne les contributions particulières à la Société canadienne de génie civil, et donne 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.

Jim Gilliland,  
Président



### TONY BÉGIN

Graduated from Sherbrooke University in civil engineering in 1993, he also completed his Master's degree in 1995.

He joined immediately the Canam Group engineering team as a structural steel connection designer. He worked for the Steel Plus Network Canam business unit servicing more than 120 steel fabricators in North America. He has developed the engineering and design assistance services by visiting over 100 engineering firms across Canada. His function today is to promote LEAN Construction practices and the Integrated Project Delivery collaborative approach to professionals, owners and contractors.

He has been a volunteer within the Canadian Society for Civil Engineering (CSCE) over 25 years. First as the President of the student chapter (1989-1994) at UofS, second as the chair of the Quebec Section (1995-2005), third as VP of the Quebec Region (2006-2013) and during the last 3 years (2013-2016) he has followed the presidential track as SVP, President Elect and President/Chairman of the Board. He is actually the immediate past-President and Chair of the Corporate Engagement Committee. In 2008, he got involved also as the Chair of the Local Organization Committee (LOC) of the CSCE Annual Conference in Quebec city who attracted more than 500 people.

He is engaged with his wife Caroline and their 3 children; Hubert (17 years old), Justine (15 years old) and Phillip (11 years old). He is coaching his sons in his regional minor hockey league. His favorite activities are hockey, golf and camping with family and friends.



### PETER H. BISCHOFF

Peter Bischoff is a Professor in the Department of Civil Engineering at the University of New Brunswick in Fredericton, where he has contributed to teaching and research in the area of reinforced and prestressed concrete since 1992. Prior to joining UNB, Peter spent several years at the Institute for Concrete Structures and Materials, Karlsruhe University, Germany and has also spent a few years working as a consulting structural engineer. He received his B.A.Sc. in Civil Engineering from the University of British Columbia in 1979, M.Eng from McGill University in 1983, PhD from the University of London, UK in 1988, and DIC from Imperial College of Science and Technology, UK in 1988.

Dr. Bischoff's research interests include serviceability behaviour of concrete structures, use of fibre reinforced concrete (FRC) in structural applications, soil-structure interaction related to ground supported slabs and footings, and impact behavior of concrete. His work related to deflection of reinforced concrete has gained international recognition and was awarded CSCE's Casimir Gzowski Medal in 2008 and the American Concrete Institute (ACI) Design Award in 2014. The so-called "Bischoff's equation" for computing deflection is being adopted by ACI's Building Codes for design of steel and FRP reinforced concrete.

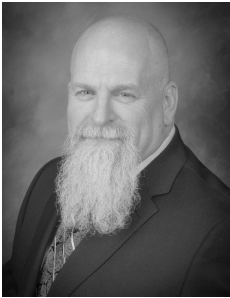
Dr. Bischoff is an Associate Editor of the Canadian Journal for Civil Engineering, is active on several ACI technical committees, and is a member of the CSA Task Force working on implementing use of fibre reinforced concrete and ultra high performance concrete into the Canadian Highway Bridge Design Code. Peter is a Fellow of the ACI, and is a registered Professional Engineer in New Brunswick.



## **GIRMA BITSUAMLAK**

Dr. Bitsuamlak is a Canada Research Chair in Wind Engineering. He serves as a Research Director at the WindEEE Research Institute and Western's Site Leader for Sharcnet. He is pioneering the use of high performance computing and multi-scale experimental wind engineering applications. He has co-developed a novel large open jet hurricane testing facility generically named "Wall of Wind" at Florida International University. He is currently leading the research activities at the WindEEE Research Institute focusing on tornado/downburst other multi-scale wind research assisted with the unique WindEEE Dome facility. He is the recipient of prestigious awards such as the Canada Research Chair, Bikila Award, Ontario Early Career, and

NSF-CAREER (in USA). He has also significantly contributed to the industry, where he executed aero-elastic wind tunnel based analysis of super-tall buildings such as Freedom Tower in NY and Burj Khalifa in Dubai while working as a senior wind engineer with RWDI Inc. in Guelph On among 100 other wind engineering projects. His former graduate students and postdocs are now leading wind engineers and risk modellers in major firms and universities around the world.



---

## **JACQUES J. BOISSONNAULT**

Jacques Boissonault obtained his B.Sc. in Civil Engineering in 1984 from the University of New Brunswick. In 1985, he joined the firm of Boissonault McGraw as project Engineer. Becoming lead engineer of the Structural and Civil Divisions. In 1993, Jacques became Principal and President of the Company.

With over 30 years of expertise in the design and construction of major institutional and Industrial complexes in Northern New Brunswick, combined with Jacques' personal interest in the development of efficient and environmental sustainable solutions, has encouraged him to participate in innovative water and waste water projects.

In 2016, Jacques was the recipient of the Atlantic Canada Water and Wastewater Association Award sponsored by the Water Environment Federation. Jacques is also a former counsellor of the Association of Professional Engineer & Geoscientist of New-Brunswick (APEGNB).

Jacques is a member of The Port of Dalhousie Authority. He is also a past president of the Restigouche Minor Hockey Association.

Jacques' dedication to his family and to his profession has convinced three (3) of his children to pursue careers in engineering and to continue long standing family tradition started by his father, Mr. Richard J. Boissonault, P.Eng., Lifetime Member APEGNB.



## PETER CALCETAS

Peter Calcetas earned his Bachelor (1993) & Master (1996) of Civil Engineering & Master of Business Administration (2000), from Concordia, Montréal. He trained at Duke, Ryerson, Toronto, McGill & Calgary toward his Civil Engineering PhD (2019) focused on Ultra High Performance Concrete (UHPC) at McMaster, Hamilton. Peter demonstrated and/or lectured on UHPC at McGill, Waterloo, MIT, Harvard, North Western, Cooper Union, Georgia Tech, West Point & Columbia.

Mr. Calcetas practiced Structural Engineering at BCA (1989), combined with Entrepreneurship (1995), and service as 2nd LT, Military Engineering, Canadian Army (1997). He joined Lafarge (2000) in Business Development,

completing several successful mergers & acquisitions. Progressed to Technical Services, managing Lafarge's energy portfolio. Peter joined the Ductal® BU, Lafarge's UHPC, advancing from Manager (2002) to Director (2007). He transitioned to Marketing Director, Lafarge Cement (2010), and won the President's Award for Innovation (2011). He joined Holcim (2012) as head of Corporate Product Development & Materials Group; winning the CEO Innovation Award. Peter simultaneously lead the alternative materials subsidiary, GeoCycle, as Sales Director; and governed as the Board Director & Corporate Secretary for Great Lakes Slag Inc. Mr. Calcetas is currently the Chief Operating Officer & Vice President Engineering for Spring Valley Corp. (2016), guiding development, manufacture and commercialization of building systems incorporating composite technologies, including UHPC.

As Chair, Membership Services Committee (2012), Peter executes growth initiatives, including CSCE's 1st Online Member Survey, which inspired engagement initiatives: Mentorship Online Portal with Corporate Partner Mentor City, the Loyalty Program and the information sharing HUB Taskforce.



## MARK F. GREEN

Mark Green is Professor and Associate Head in the Department of Civil Engineering at Queen's University. He completed his B.Sc. in Mathematics and Engineering at Queen's in 1987 and then his Ph.D. at the University of Cambridge, UK in 1991.

He has served as co-chair of the Advanced Composite Materials in Bridges and Structures (ACMBS) Conference in Kingston, as chair of the CSCE Technical Subcommittee on ACMBS, and as associate editor of the Canadian Journal of Civil Engineering.

In research, he has studied the dynamics of bridge-vehicle interaction, and is a leader in applications of fibre reinforced polymer (FRP) materials to concrete structures. Dr. Green is particularly well-known for durability of FRPs in cold regions, for strengthening beams with prestressed FRP sheets, and for the fire resistance of concrete structures with FRP. He is currently leading an innovative NSERC CREATE program on Sustainable Engineering in Remote Areas (SERA).

He won the 2013 Professional Engineers Ontario Medal for Research and Development, the 1999 Pratley Award, and the Premier's Research Excellence Award (2000). He is a Fellow of the International Institute for FRP in Construction (IIFC), and has published over 250 journal and conference papers.

Dr. Green is a member of the Mohawks of Bay of Quinte who is active in Aboriginal education. He is currently co-chair of Queen's Truth and Reconciliation Commission Task Force and a member of the Circle of Advisors for Queen's Aboriginal Access to Engineering initiative.



## SUSANN HICKEY

Susann Hickey received her B.Eng., in Civil Engineering from Memorial University of Newfoundland in 1995. Susann, who is a practicing civil engineer with the municipality of Paradise, Newfoundland and Labrador, is a member of the Professional Engineers and Geoscientists Newfoundland and Labrador, Women in Science and Engineering – Newfoundland and Labrador and has contributed to the CSCE at both the section and national levels.

Susann has over 20 years of diverse experience in design and project management, construction management and environmental and regulatory management. She has worked as a consultant, as owners engineer and with government. Susann began her career working with the post-tensioning subcontractor at the Hibernia gravity base construction site at Bull Arm, NL. She has been involved in a number of projects including the Vale Argentia Demonstration Plant and Long Harbour Processing Plant projects and the Kami Iron Ore Mine development project.

Susann has spent the last 15 years as a member of the Engineering and Geoscience Month Committee of the Professional Engineer's and Geoscientists of Newfoundland and Labrador. She serves on the Engineering and Applied Science Advisory Committee of Memorial University of Newfoundland. She volunteered as an advisor with the Junior Achievement Company Program. She has served as Vice President Atlantic Region and as a board member of the Canadian Society for Civil Engineering. She was a member of the Local Organizing Committee for the 2009 CSCE AGM and Conference, held in St. John's, NL. She has been involved with the CSCE Newfoundland and Labrador Section executive team since 2009.



## CONSTANTINE JOHN KATSANIS

Dr. Katsanis is a professor at the École de technologie supérieure (ÉTS), in Montreal. His research interests include construction project management, building economics, value analysis and quality management, organizational structures, performance and efficiency in AEC firms, and the modelling of complex dynamic systems.

He received his Bachelor's degree in Civil Engineering and his Master's of Engineering from Concordia University and holds a Ph.D. from the Université de Montréal.

At ÉTS, Dr. Katsanis spearheaded the development of a new joint Ph.D. program in Engineering Management with the University of Sharjah at the United Arab Emirates.

Prior to his academic career, Dr. Katsanis, was in private practices for over 20 years as an engineer, cost consultant and project manager, attaining the position of Vice President & General Manager.

He joined the Canadian Society for Civil Engineering in 1979 and has served in a variety of capacities. He served as Co-Chair of the Technical Committee and as Member of the Organizing Committee for the 2013 Annual Conference of the CSCE in Montreal. In 2005, he was a member of the Technical Committee for the Annual Conference in Toronto, and served as the Secretary of the Construction Division in 2004-2006. Dr. Katsanis is a member of the History Committee of the CSCE and the Founder and Inaugural Chair and of the Engineering Management Committee of the CSCE.

He is a member of several editorial boards of scientific journals and the author and contributor of numerous journal articles and books. He is a founding member of the Engineering Project Organization Society (EPOS) in the U.S.

Dr. Katsanis, hold professional registrations with the Order of Engineers of Quebec the Professional Engineers of Ontario and the Canadian Institute of Quantity Surveyors.



## SID LODEWYK

Sid Lodewyk graduated from the University of Alberta with a B.Sc. in Civil Engineering in 1984 and a Master's degree in 1986. Sid and his wife Trish have worked and lived in Edmonton since then, raising three wonderful children.

Sid has 28 years' experience as a municipal engineer in various positions with the City's drainage utility including planning, monitoring and operations. He is currently the General Supervisor of Pumpwells at the City of Edmonton and is in charge of a group of 40 engineers, technologists and tradesmen. Together they take care of over 200 facilities in the sewerage and drainage systems of the City that control flows for capacity and environmental protection, pump

wastewater, and control odor.

Sid has been involved in many key initiatives for Edmonton's drainage utility including environmental negotiations and reporting, sewer rate setting, long range system planning, combined sewer overflow control, storm water control and quality projects, implementing an ISO14001 System and long range capital planning. He helped develop affordable solutions for servicing new development areas and has been involved in negotiating agreements between Edmonton and surrounding municipalities.

Sid served on the board of the North Saskatchewan Watershed Alliance and on several committees for the provincial Water Management Framework and Industrial Heartland initiatives. He has authored over 30 conference papers and journal articles and has been a member of the CSCE for over 30 years. Sid served the CSCE's Edmonton Section as an executive and section chair between 2013 and 2016.



## JOHN P. NEWHOOK

John Newhook is a Professor in the Department of Civil and Resource Engineering and Vice-President Research (Acting) at Dalhousie University. He is also the Director of the Centre for Innovation in Infrastructure within the Faculty of Engineering.

John Newhook received his Bachelor of Civil Engineering from the Technical University of Nova Scotia in 1989 and his Master of Applied Science in 1992. After working in consulting, John returned to studies and completed his PhD in Engineering at Dalhousie University in 1997. Dr. Newhook joined the University of Calgary in 1999 before returning to the Maritimes and

Dalhousie in 2001.

John has been a member of CSCE since his days as chair of the student chapter in 1988. He has served on the organizing committee for the last two conferences in Halifax and SMSB 1994. He is currently the Vice President, Program Coordinating Committee – Technical Programs.

With over 27 years of experience in structural engineering research and consulting, his interests include structural health monitoring, structural analysis and design, bridge engineering, and the use of advanced composite materials in civil engineering applications. He is active in various technical societies, continues to practice consulting and a member of the Canadian Highway Bridge Design Code.

Outside of professional activities, John is active in research in the science of curling and in the promotion of the sport. He has coached several bantam and junior teams in Nova Scotia as well as the coach for the Dalhousie Curling Teams in the past three CIS University Championships.



## VAN-THANH-VAN NGUYEN

Van Nguyen is Endowed Brace Chair Professor of Civil Engineering at McGill University. He received his BEng from National Institute of Technology in Vietnam in 1973, MEng from Asian Institute of Technology in Thailand in 1975, and PhD from Ecole Polytechnique of Montreal in Canada in 1979. He has been Chair of Department of Civil Engineering and Applied Mechanics since 2009, and has also served as Director of the Brace Centre for Water Resources Management (2007-2016) as well as Associate Director of the Global Environmental and Climate Change Centre at McGill (2004-2010).

Professor Nguyen's scientific and professional contributions over more than 30 years have been in the areas of Hydrology and Water Management. He is author or co-author of over 200 publications in journals, conference proceedings, research monographs, and practical engineering guidelines. He has served in many scientific journal editorial boards and has been invited professor at universities in Australia, Canada, Japan, Malaysia, Singapore, and Thailand. He has been invited to deliver prestigious keynote lectures at scientific conferences in Canada and abroad. Furthermore, since several years he has been involved in international co-operation with colleagues in North America, Europe, and Asia-Pacific regions as well as an active member of several professional associations (AGU, AOGS-President of the Hydrological Science Section, APHW, ASCE, AWRA, CSCE-General Chair of the 22nd Hydrotechnical Conference, IAHR, IAHS, and IWA). Finally, as a professional engineer, he has served in various expert committees for national and international organizations and consulting companies in Canada and in other countries.

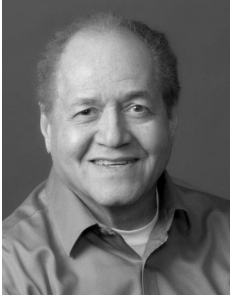


## KENT NOVAKOWSKI

Kent Novakowski is a Professor and Head of the Department of Civil Engineering at Queen's University, Kingston, Ontario. Dr. Novakowski obtained his undergraduate and graduate degrees from Brock University, and the University of Waterloo, respectively. Prior to joining the Department of Civil Engineering in August of 2000, he led the Groundwater Contamination Project at the National Water Research Institute in Burlington, Ontario.

During his career, Dr. Novakowski has focused on research related to groundwater supply, contamination, and remediation in fractured bedrock aquifers. These aquifers represent the most vulnerable water supplies in Canada, typically susceptible to contamination from ground surface, and recalcitrant to clean-up. He has published more than 200 papers and abstracts on this topic in a variety of proceedings and in the leading refereed journals in field. Dr. Novakowski has participated in the presentation of 18 professional short courses given on groundwater in fractured rock at venues across Canada, the US, South Africa and Australia. In 2013, Dr. Novakowski was recipient of the Engineering Excellence Medal as awarded by Professional Engineers Ontario.

In addition to his long-term leadership of the Department of Civil Engineering at Queen's, Dr. Novakowski is the Founding Director of the recently-named Beaty Water Research Centre, an affiliation of more than 45 water researchers from a wide variety of disciplines across Queen's and the Royal Military College in Kingston. He has also served as a consultant to various groundwater engineering companies, to the mining community, and to the nuclear waste industry in North America and abroad.



**HUNTLEY O'CONNOR**

Huntley O'Connor is a senior structural engineer with more than fifty years of experience in the design of structures. Mr. O'Connor was responsible for the structural design and field review of a number of large projects in Saskatchewan, Alberta, and British Columbia including the First Nation University of Canada in Regina and the Regina General Hospital, Phase 2, RGH Project '98. Huntley has also acted as Project Manager on several projects in Saskatchewan. Mr. O'Connor has retired from full-time employment

Huntley has been married to Grace O'Connor (nee Pollock) since 1972. Grace is a retired pediatric nurse. They have two children, Aaron who is married to Melissa and Tyler (deceased) who was married to Erin. Tyler and Erin's son is Nathan, now 7 years old.

Huntley's interests are working out at the gym, skiing and golfing. He enjoys movies, music, taking his grandson Nathan swimming and spending time with family and friends.



**BRENT SLEEP**

Brent Sleep is a Professor in the Department of Civil Engineering at the University of Toronto and has been Department Chair since 2013. He completed a BAsC in Chemical Engineering at the University of Waterloo in 1982. After completing his BAsC he volunteered with the international development organization, CUSO, and spent two years teaching mathematics in a college in Nigeria. He completed an MEng in Chemical Engineering in 1987 and a PhD in Civil Engineering in 1991, both at the University of Waterloo.

Professor Sleep and his research group conduct research on a range of soil and groundwater remediation technologies including soil vapour extraction, thermal remediation, bioremediation, chemical oxidation, and chemical reduction. He also conducts research on subsurface pathogen transport and on hydrology of green roofs.

Professor Sleep has served on the British Columbia Science Advisory Board, the U. S. National Research Council of the National Academies Science and Water Technology Board Committee on Source Removal of Contaminants in the Subsurface, and the U. S. Department of Energy Committee on Dense Nonaqueous Phase Liquids in Low Permeability Media. He has served as Editor-in-Chief of the Journal of Contaminant Hydrology since 2010, and as Associate Editors of Advances in Water Resources (2000 to 2013) and the Vadose Journal (2006 to 2008). Professor Sleep was also the Chair of the 2016 Computational Methods in Water Resources Conference held at the University of Toronto in 2016. He is a fellow of the Engineering Institute of Canada.





**JOHN F. UNSWORTH**

John Unsworth is a Professional Engineer licensed in six Canadian Provinces. In 1981 he earned a B.Eng. cum laude in Civil Engineering from Concordia University; and in 1987 obtained an M.Eng. in Structural Engineering from the University of British Columbia. Since graduation he has been engaged in bridge and structures maintenance, design and construction at Canadian Pacific Railway. He is currently the Deputy Chief Engineer and Director of Structures Design at CP. Mr. Unsworth was the Chief Engineer for the reconstruction of nine timber bridges destroyed by fire in 2003 at Myra Canyon near Kelowna.

He is former President of the American Railway Engineering and Maintenance-of-way Association (AREMA). He has also served as Chairman and is an emeritus member of AREMA Committee 15 – Steel Structures. In addition, he is the current Chair of the Association of American Railroads (AAR) Bridge Research Advisory Group and is a former member of the Transportation Research Board (TRB) Steel Bridges Committee. He is a member of the Canadian Society for Civil Engineering (CSCE), American Society of Civil Engineers (ASCE), American Institute of Steel Construction (AISC) and International Association of Bridge and Structural Engineers (IABSE).

He has presented at AREMA Annual Technical Conferences, the International Conference on Arch Bridges, TRB Annual Meetings, CSCE Bridge Conferences, the ASCE Structures Congress and the International Bridge Conference (IBC). He also delivered the 2013 Drag Distinguished Lecture Series at Purdue University. He is the author of Design and Construction of Modern Steel Railway Bridges (2nd edition) and has contributed to the fifth edition of the Structural Steel Designer's Handbook and the International Heavy Haul Association (IHHA) Best Practices books.

# BOURSE DONALD JAMIESON FELLOWSHIP



## JEAN-FRANÇOIS BELLEAU

*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 Jean-François Belleau. .

Jean-François Belleau, Jr Eng., is a graduate (2008) in Civil Engineering Technology from Cégep André-Laurendeau and holds a Bachelor's degree (2012) in Construction Engineering from the École de technologie supérieure (ÉTS). He is currently a Ph.D. candidate in Construction Engineering at ÉTS under the supervision of Doctor Marie-José Nollet, Eng., and Doctor Amar Khaled, Eng.. His research focuses on the seismic vulnerability of bridges from the perspective of their evaluation and rehabilitation. He is interested in the analysis and dynamic behavior of structures in order to improve their seismic design.

During winters of 2013 to 2017, he was teaching assistant for the undergraduate concentration course Bridge Design and Analysis at ÉTS. He worked for internships (2006 to 2011) during his college and bachelor degrees for several companies and institutions to design and supervise different types of structures.

During his graduate studies, including his doctoral degree, he became very involved in occupying various important administrative and social positions at Réseau de l'Université du Québec, at CoopÉTS and at ÉTS. Graduate studies are research, knowledge and intellectual life, but it is also the quest for balance and the demonstration of genuine commitment through community actions to give something better for community.

He was the recipient from 2012 to 2017 of the Canada Graduate Scholarship (NSERC-CGS), the Fonds de recherche du Québec - Nature et technologies and many others. He was the recipient in 2013 of the Quebec Lieutenant Governor's Youth Medal for a sustained voluntary action at the institution, community and social levels.

# MÉDAILLE ALBERT E. BERRY MEDAL



## HEATHER L. MACLEAN

*The Albert E. Berry Medal was established in 1987 in honour of Dr. Albert E. Berry (1894-1984), an outstanding civil engineer who was one of Canada's first environmental pioneers. Following World War I, Dr. Berry joined the Department of Health of the Province of Ontario and rose to become the chief engineer of the sanitary engineering division. Subsequently, he was appointed the first general manager and chief engineer of the Ontario Water Resources Commission, the forerunner of today's Ministry of the Environment. His pioneering spirit, his dedication, and his expertise in the field were second to none. The award is granted to a civil engineer who has contributed significantly to the field of environmental engineering in Canada.*

The recipient of the Albert E. Berry Medal for 2017 is Dr. Heather MacLean.

Heather MacLean is a Professor in the Department of Civil Engineering at the University of Toronto and holds joint-appointments with the Department of Chemical Engineering & Applied Chemistry, School of Public Policy and Governance and the School of the Environment.

She holds a Ph.D. in Civil Engineering and Engineering and Public Policy (1998) and a Masters in Engineering and Public Policy (1997) from Carnegie Mellon University, a Masters of Business Administration from St. Mary's University (1990) and Bachelor of Engineering (Civil) from Dalhousie University/Technical University of Nova Scotia (1988). Dr. MacLean is a registered Professional Engineer in Ontario and member of the Canadian Society for Civil Engineering.

Dr. MacLean's research interests are in the development and application of systems level methods to evaluate the sustainability of infrastructure and product systems, with a focus on current and emerging energy and transportation vehicle systems. Over the last 18 years she has worked closely with the automotive, oil, electricity and biofuels industries as well as governments. She has successfully led many research projects, advancing engineering knowledge as well as inputting into decision-making within industry and government.

Dr. MacLean's work has been recognized through a Premier's Research Excellence Award, CMHC Excellence in Education Award for Promotion of Sustainable Practices, and induction as a Fellow of the Engineering Institute of Canada. She has served on industry and government advisory committees in Canada and the U.S. Over her career Dr. MacLean has published 80 peer-reviewed journal papers, delivered over 200 presentations, and supervised 55 graduate students.

# PRIX CAMILLE DAGENAIS AWARD



## DAVID ZHU

*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 2017 is Dr. David Zhu.

Dr. David Zhu is a professor in Water Resources Engineering at the University of Alberta. He received his BSc degree from Shanghai Jiaotong University in China, his MEng and PhD degrees from the University of British Columbia. He joined the University of Alberta in 1997.

Dr. Zhu conducts research in hydraulic engineering with a focus on urban drainage and sustainable hydropower. He studied energy dissipation in storm sewer systems and the mechanisms of air induction into sewers, and devised methods for reducing sewer air pressure to prevent sewer odour complaints. His research results have been applied in a number of sewer designs and retrofitting. His research on sand/water interactions following pipeline ruptures revealed the mechanism for soil erosion and sink-hole formation. He assisted BC Hydro in reducing fish entrainment risk by optimizing its operations. His research on reducing air bubble entrainment will allow hydropower companies to reduce/prevent fish-kills during dam spill events. He is also pioneering the design of nature-like fishways to create suitable habitats for multi-species use and fish passage.

Dr. Zhu has supervised over 70 graduate students and published over 140 papers in leading journals. His contributions have been recognized by a number of ASCE and CSCE awards, including Thomas Keefer Medal (2010), Donald Stanley Award (2015), and Samuel Greeley Award (2017). Two of his Master's students also received CSCE Hydrotechnical Best Master's Thesis awards.

Dr. Zhu serves in a number of editorial boards and technical committees, and organized a number of international workshops and conferences in the area of hydrotechnical engineering. He is actively promoting collaborations between Canada and China in urban drainage and sustainable hydropower.

# SANDFORD FLEMING AWARD



## ERIC HILDEBRAND

*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 recipient of the Sandford Fleming Award for 2017 is Dr. Eric Hildebrand.

Eric Hildebrand is a Professor with the Department of Civil Engineering at the University of New Brunswick. He obtained Bachelors and Masters degrees in civil engineering from UNB and a PhD in transportation planning from the University of Waterloo. Prior to joining the faculty at UNB, he worked as a consulting engineer in both Canada and the United States.

His career of over 32 years has covered many aspects of transportation engineering although most of his work has focussed on an area that he is particularly passionate about: road safety engineering. His work in road safety has covered all facets including vehicles, driver performance, and road infrastructure design. He leads the UNB/Transport Canada Collision Investigation Team and has been monitoring motor vehicle crashworthiness and the corresponding role of road infrastructure for over 30 years.

A firm believer that in order to be able to teach engineering you need to 'do' engineering, Eric continues to be involved in many consulting projects which often provide case studies and material for his lectures. In recent years, he has been extensively involved as a road safety auditor on several very large-scale highway projects throughout Canada.

Serving as the Coordinator of the UNB Transportation Group, he has been engaged in the supervision of many Masters and PhD students. Seeing his students grow personally and succeed professionally is the aspect of his career that gives him the most satisfaction. In addition to having received several UNB awards for excellence in teaching, Dr. Hildebrand received the Award of Academic Merit from the Transportation Association of Canada in 2012 in recognition of his long-term contribution to the advancement of the academic field and to the development of future leaders in transportation.

# MÉDAILLE HORST LEIPHOLZ MEDAL



## MONCEF NEHDI

*Established in 1990 in honour of the late Professor Horst Leipholz, a leading civil engineer whose work made a major impact in the field of engineering mechanics, the Horst Leipholz Medal recognizes outstanding contributions to engineering mechanics research and practice in Canada.*

The recipient of the Horst Leipholz Medal for 2017 is Dr. Moncef Nehdi.

Moncef Nehdi received his BAsC from Laval University, MASc from Sherbrooke University and PhD from the University of British Columbia, all in civil engineering. Currently a professor at Western University, he previously served in managerial positions both in industry and academia, for instance as Technical Director at Imasco Minerals, Associate Director for Environmental Research Western and Technical Manager for BCS.

Moncef's current research focusses on smart, self-healing and bio-inspired civil engineering materials, with particular focus on the sustainability and resiliency of civil infrastructure. His R&D and consulting activities have significantly impacted several landmark structures, including two of world's tallest buildings, largest water treatment plant and largest pedestrian bridge.

A prolific author of more than 300 technical publications, his exceptional scholarly work ranked him among the world's most cited civil engineers in the 2016 Shanghai Global Ranking of Academicians. He was awarded the Ontario Premier's Research Excellence Award, the American Concrete Institute's Young Member Award for Professional Achievement, the Bill Curtin Medal from the UK's Institution of Civil Engineers, the Petro Canada Young Innovator Award, the Mohan Mathur Engineering Award for Excellence in Teaching, along with several other accolades and best paper awards.

Moncef is Associate Editor of the Canadian Journal of Civil Engineering and is editorial board member of several other technical journals. A registered professional engineer in Ontario, he has served in various technical committees of the American Concrete Institute, the Canadian Standards Association and several grant awarding agencies.

## PRIX A.B. SANDERSON AWARD



### PATRICK PAULTRE

*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 recipient of the A.B. Sanderson Award for 2017 is Dr. Patrick Paultre. Patrick Paultre is Professor of Civil Engineering at the University of Sherbrooke, Quebec, Canada, where he has been a faculty member since 1987. He held the Canada Research Chair in Earthquake Engineering and Dynamics of Structures for fourteen years. Prior to his position at the University of Sherbrooke, he was a stress analyst in the aerospace and nuclear division of DSMA in Toronto, Canada; a structural engineer at United Engineers and Contractors in Philadelphia, USA; and a bridge engineer at Dessau, Inc., in Montreal, Canada. Patrick Paultre obtained his Bachelor's degree in engineering in 1977 and his M.Sc.A. degree in 1981 from Polytechnique Montreal and his Ph.D. degree from McGill University in 1987.

Professor Paultre research focuses on dynamics of structures, earthquake-resistant design of concrete structures, behaviour of high-performance concrete structures, dynamic health monitoring of structures, and dam-reservoir-ice-cover-foundation interaction. Professor Paultre has published three books: *Dynamique des structures*, Hermes/Lavoisier, France, *Dynamics of Structures*, Wiley, England and *Structures en béton armé*, Presses Internationales Polytechnique, Montreal. He has published more than 200 peer-reviewed papers in international journals and conferences and more than 100 technical reports. Professor Paultre is a member of Joint ACI-ASCE Committee 441, Reinforced Concrete Columns. He is also a member of the Canadian Standards Association Committee A23.3, Design of Concrete Structures. He is a Fellow of the Canadian Society of Civil Engineering, of the American Concrete Institute, of the Engineering Institute of Canada and of IABSE.

Awards and honours include: the CSCE Gzowski's Medal in 1991 and in 2004, the ASCE's Moisseiff Award. In 1996, the ACI's Wason Medal in 2002 and the CSCE E. Whitman Wright in Award in 2003. Professor Paultre was the recipient of the Adrien-Pouliot Award of the ACFAS (2006), one of the highest scientific honours in Quebec. He received the Institutional Recognition of the Quality of Teaching Award by the Faculty of Engineering of the Université de Sherbrooke. In 2015, Professor Paultre was the recipient of the Armand-Frappier Quebec Prize, one of the highest awards from the Quebec Government for outstanding persons in the field of culture or sciences.

## PRIX WALTER SHANLY AWARD



### TONY BÉGIN

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

The winner of the Walter Shanly Award for 2017 is Tony Bégin.

Tony Bégin, graduated in in civil engineering in 1993 from Sherbrooke University, where he also completed his Master's degree in 1995.

He joined immediately the Canam Group engineering team as a structural steel connection designer. He worked for the Steel Plus Network Canam business unit servicing more than 120 steel fabricators in North America. He has developed the engineering and design assistance services by visiting over 100 engineering firms across Canada. His function today is to promote LEAN Construction practices and the Integrated Project Delivery collaborative approach to professionals, owners and contractors.

He has been a volunteer within the Canadian Society for Civil Engineering (CSCE) over 25 years at different level of the organization including the highest position of President 2015-2016. He is still active as Chair of the Corporate Engagement Committee.

During his CSCE presidential years, Tony has played a key role in getting closer with many others associations such as the Canadian Construction Association (CCA), Canadian Construction Innovation (CCI) and the Canadian Network of Assets Managers (CNAM). He believes that CSCE should play an advocacy role for building and maintaining better sustainable and resilient civil engineering infrastructure across Canada. Today, CSCE and CCI are working together on instilling a new culture for research and innovation with funding from the federal government.

His mobility over the years has led him to develop and maintain an extensive network of over 1,000 business contacts within the construction industry across North America.



## PRIX W. GORDON PLEWES AWARD



### SIOBHAN ROBERTS

*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 the year 2017 is Siobhan Roberts for her book “Wind Wizard”

Wind Wizard tells the story of Alan Davenport (1932-2009), the father of modern wind engineering, who investigated how wind navigates the obstacle course of the earth’s natural and built environments—and how, when not properly heeded, wind causes buildings and bridges to teeter unduly, sway with abandon, and even collapse.

In 1964, Davenport received a confidential telephone call from two engineers requesting tests on a pair of towers that promised to be the tallest in the world. His resulting wind studies on New York’s World Trade Center advanced the art and science of wind engineering with one pioneering innovation after another. Establishing at Western University the first dedicated boundary layer wind tunnel laboratory for civil engineering structures, Davenport enabled the study of the atmospheric region from the earth’s surface to three thousand feet, where the air churns with turbulent eddies, the average wind speed increasing with height. Over the years, the revolutionary lab investigated and improved the wind-worthiness of the world’s greatest structures, including the CN Tower, the iconic Golden Gate Bridge, and the proposed crossing for the Strait of Messina, linking Sicily with mainland Italy.

Siobhan Roberts is a science journalist who writes currently for The New Yorker’s online science section, “Elements.” In addition to Wind Wizard, her books include King of Infinite Space: Donald Coxeter, The Man Who Saved Geometry, and Genius at Play, The Curious Mind of John Horton Conway.

# PRIX JEUNE INGÉNIEUR PROFESSIONNEL/ YOUNG PROFESSIONAL ENGINEER AWARD



## LESLIE SYMON

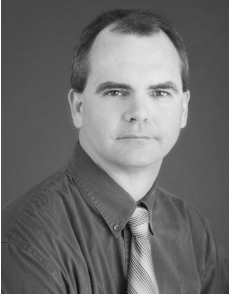
*Awarded annually to a CSCE Member or Associate Member who has demonstrated outstanding accomplishments as a young professional engineer. Normally, nominees must be no older than 35 as of December 31 of the year that the award is presented.*

The Young Professional Engineer Award for 2017 is presented to Leslie Symon. Leslie Symon, P.Eng., is a Civil Engineering graduate from the University Of Alberta, class of 2011.

Leslie is a Senior Civil Engineer at the LRT Delivery Branch of the City of Edmonton and is currently engaged in the construction of Stage One of the Valley Line LRT. She began her career as a member of the Valley Line owner's engineering team where she was recognized for her strong communication and organizational skills. Leslie's attitude, professionalism, and work ethic set a great example for her peers. She has demonstrated an aptitude for mentoring and leadership which makes her a valuable asset to any team. Leslie has the talent and perspective to tackle challenging problems contributing to the achievement of Edmonton's LRT vision. Leslie joined the City team formally in 2016, and has already become involved in other City projects and corporate initiatives.

Leslie became involved with the Canadian Society of Civil Engineering as a student representative of the CSCE Edmonton Section, and in 2012 proceeded to sit as the youngest ever Section Chair. Leslie oversaw the continued delivery of Edmonton's strong program as well as the initiation of Edmonton's CSCE Young Professional Group. Leslie continues to be involved in the community through her role with Edmonton's NextGen task force, dedicated to creating a city that attracts and gives voice to the next generation by connecting people, places, communities and ideas. Leslie is a competitive soccer player and world traveler, recently completing trips to Japan and Europe, and looking forward to visiting South America soon.

## PRIX JAMES A. VANCE AWARD



### JEFF RANKIN

*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 2017 is Jeff Rankin..

Dr. Rankin is a Professor and holds the M. Patrick Gillin Chair in Construction Engineering and Management in the Department of Civil Engineering at the University of New Brunswick. Previous to joining the University, Jeff was the Executive Director of the Construction Technology Centre Atlantic, an innovation broker for the region's construction industry. Jeff is a fourth generation builder and began in the construction industry as a labourer during his school years on commercial buildings. His construction experience has included various project and construction management roles in many types of construction projects including high-rise buildings and larger infrastructure projects such as the Confederation Bridge. While completing his doctorate at the University of British Columbia, Jeff's research centered on the development of integrated and distributed construction management systems based on information standards (a precursor to Building Information Modeling). Currently, Jeff's research program focuses on improving the performance of the construction industry through innovation in procurement methods, sustainable practices for the delivery of public infrastructure and the appropriate adoption and implementation of technology. Jeff has co-authored over a hundred academic papers and research reports some of which have been recognized for best paper awards and is very proud of the success of his past and current research students. Jeff has had the pleasure of serving our Society in many technical and administrative roles including: VP Technical Divisions and Committees, Chair of the Construction Division, Technical Co-Chair of several Construction Specialty Conferences, Associate Editor for CJCE, National Honorary Treasurer, Vice President of the Atlantic Region, and four terms as a member of the National Management Committee and Board of Directors.

## PRIX DONALD R. STANLEY AWARD



### MAMERT MBONIMPA, MÉDARD BOUDA, ISABELLE DEMERS, MOSTAFA BENZAAZOUA, DENIS BOIS, AND MARIO GAGNON

*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 2017 Prix Donald R. Stanley Award is granted to Mamert Mbonimpa, Médard Bouda, Isabelle Demers, Mostafa Benzaazoua, Denis Bois, and Mario Gagnon for their paper entitled “Preliminary geotechnical assessment of the potential use of mixtures of soil and acid mine drainage neutralization sludge as materials for the moisture retention layer of covers with capillary barrier effects” *Can. Geotech. J.* 53: 828–838 (2016)



**Abstract:** Lime treatment of acid mine drainage (AMD) generates sludge that is commonly stored in ponds for dewatering. The use of soil-aged sludge-based mixtures for mine site rehabilitation can allow the emptying of existing basins, thus extending their storage capacity, reducing the volume of the borrow soil pit required for mine site rehabilitation, and consequently reducing the mine footprint. The authors investigated the geotechnical properties of siltysoil–sludge mixtures (SSMs) as possible components of covers with capillary barrier effects (CCBEs) to prevent AMD generation from mine waste. SSMs with [1] values of 10%, 15%, 20%, and 25% sludge ( $[1] = \text{wet sludge mass} / \text{wet soil mass}$ ) were studied. Two water contents were considered for each of the mixture components: 175% and 200% for the sludge and 7.5% and 12.5% for the soil. Results indicate that saturated hydraulic conductivity ( $k_{sat}$ ) values were in the range of 10–5 cm/s for the soil and SSMs at void ratios ranging from 0.28 to 0.53, with values decreasing slightly when [1] was increased from 0% to 25%. The air-entry value (AEV) increased from 20k Pa for the soil alone to 35k Pa for the SSM with [1] = 25%. These values of  $k_{sat}$  and AEV are comparable to those of materials used in the moisture retention layers of existing efficient CCBEs. However, the volumetric shrinkage increased from about 2% for the soil alone to values ranging between 24% and 32% for the SSM with [1] = 25%, depending on the initial water contents of the components. Tools are provided to estimate to which extent the use of sludge in SSMs can reduce the volume of borrow natural soil required for a moisture retention layer of a CCBE.



# MÉDAILLE THOMAS C. KEEFER MEDAL



## SHOOKA KARIMPOUR AND VINCENT H. CHU

*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 hydrotechnical, transportation or environmental engineering.*



The Thomas C. Keefer Medal for 2017 is awarded to Shooka Karimpour and Vincent H. Chu for their paper entitled “Instability of unbounded transverse mixing layer in shallow waters” *Can. J. Civ. Eng.* 43: 504–510 (2016)

**Abstract:** This paper examines the role of waves in the development of the instability of an unbounded transverse mixing layer in shallow waters. In supercritical state waves become significant. The matching of the wave-like asymptotic solution in the far field to the solutions near the inflection and the returning surfaces poses a difficult mathematical problem. We therefore conducted numerical simulations to find solutions directly from the shallow water equations. The simulations found that the growing waves in the unstable current had a consistent structure throughout the linear stage of the instability’s development. The excitation, reflection, and transmission of waves produced a modulating instability that maintained a consistent structure as the amplitude of the instability increased over many orders of magnitude. This role of the waves on the supercritical instability, as delineated by our numerical simulations, is not solely describable by the classical analytical method.

**Key words:** shear instabilities, shallow flow, waves in currents, direct numerical simulations.

**Honourable Mention:** to Vincent Boulanger-Martel, Bruno Bussière, Jean Côté, and Mamert Mbonimpa for their paper entitled “Influence of freeze–thaw cycles on the performance of covers with capillary barrier effects made of crushed rock–bentonite mixtures to control oxygen migration” *Can. Geotech. J.* 53: 753–764 (2016).

# MÉDAILLE CASIMIR GZOWSKI MEDAL



## SUZE YOUANCE, MARIE-JOSÉ NOLLET AND GHYSLAINE MCCLURE

*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 2017 is awarded to Suze Youance, Marie-José Nollet, and Ghyslaine McClure for their paper entitled “Effect of critical sub-system failures on the post-earthquake functionality of buildings: A case study for Montreal hospitals” *Can. J. Civ. Eng.* 43: 929–942 (2016)



**Abstract:** When an earthquake occurs, hospitals are expected to remain functional as they play a crucial role in emergency care operations. This ability to ensure the continuity of quality operations while ensuring the safety of occupants during and after an earthquake defines the concept of post-earthquake functionality. Hospital functionality relies on the good performance of a large number of critical sub-systems, components and equipment. Although the global seismic performance of building structures and their nonstructural components was extensively observed in several post-disaster reconnaissance surveys, there is limited and incomplete information on the effect of building and nonstructural damage on post-earthquake functionality. The objective of this paper is to present a methodology for the assessment of post-earthquake functionality of existing Montreal hospitals using fault-tree analysis. The study shows that using specific and accurate information on the vulnerability and fragility of structural and critical nonstructural components, a probabilistic index of post-earthquake functionality of the entire facility is computed which informs mitigation action for the critical failure processes through the system.



**Key words:** buildings, seismic evaluation, performance-based earthquake engineering, system reliability.

**Honourable Mention:** to Tomas Plesnik, Ghasan Doudak, and Jeffrey Erochko for their paper entitled “Testing and analytical modelling of intermediate gypsum wallboard in wood shear wall sheathing to framing connections” *Can. J. Civ. Eng.* 43: 968–976 (2016)

# AWARD FOR GOVERNMENTAL LEADERSHIP IN SUSTAINABLE INFRASTRUCTURE / LE PRIX POUR LE LEADERSHIP GOUVERNEMENTAL EN INFRASTRUCTURE DURABLE



*Established in 2011, the primary objective of this award is to provide recognition to Canadian governmental organizations for true innovation and leadership in the development and guardianship of sustainable civil engineering infrastructure projects or systems. The overarching principle for selecting the recipient of the award is the leadership that the recipient has provided with respect to the integration of sustainability in the design and/or operation of civil engineering infrastructure. As such, there is an expectation that nominations highlight demonstrated excellence in advancing the state-of-the-art in building or maintaining public infrastructure with extraordinary commitment to sustainability.*

The 2016 Award for Governmental Leadership is awarded to the City of Vancouver.

In 2010, the City of Vancouver adopted an ambitious plan to become the greenest city in the world by 2020. Since adopting it, Vancouver has become recognized internationally for its leadership in sustainable actions. Behind the scenes, these ambitious green goals are aligned with social and economic goals as laid out in a Healthy City Strategy and Economic Strategy.

The Greenest City Action Plan was developed through an extensive engagement process, and sets out strategic actions in ten goal areas, several of which are "owned" by Vancouver's Engineering department - including Green Transportation, Zero Waste, and Water Conservation. This means that Engineering Services is not only key to meeting the targets, but that they are responsible for helping to reach them. Importantly, they proactively report back on progress toward meeting all goals each spring.

The City has made big progress, from reimagining the future of waste, capturing landfill gas for reuse, reaching its 2020 transportation goals 5 years in advance, creating vibrant public spaces, and building them all in a sustainable way – from having the largest elective vehicle fleet in Canada to using recycled materials in their warm mix asphalt.

The City of Vancouver has been a strong leader in how infrastructure can be built not only in an economically and environmental sustainable way, but to foster social and green behaviours that will last for the long-term.





# **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

**CSCE FELLOWS / FELLOWS SCGC****ELECTED/ÉLUS 1982-2016**

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
ARCHER, Georges	Westmount, QC	1986
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
BÉLIVEAU, Jean-Guy	Burlington, VT	2000
BELTAOS, Spyros	Burlington, ON	1989
BENMOKRANE, Brahim	Sherbrooke, QC	2004
BEWTRA, J.K.	Windsor, ON	2001
BICKLEY, John A.	Toronto, ON	1996
BISCHOF, Max	North Vancouver, BC	2002
BISWAS, Nihar	Windsor, ON	2009

## CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2016

BLACKWELL, Walter	Toronto, ON	2001
BLAIS, Réjean	St. Jean Chrysostome, QC	1997
BLISS, E. John	Fredericton, NB	1984
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
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
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
CHAN, Evan Kit Yu	Hong Kong	2011
CHAN, T.H. Tod	Don Mills, ON	1994
CHEN, Chi Tsen	Halifax, NS	1995
CHENG, Jung-June Roger	Edmonton, AB	2004
CHERRY, Sheldon	Vancouver, BC	2000
CHEUNG, Kelvin	Hong Kong, China	2016
CHEVARIE, Jean-Maurice	Moncton, NB	2010
CHIASSON, Paul-André	Moncton, NB	2013
CHIDIAC, Samir	Hamilton, ON	2014
CHIU, Cheuk Wah	Hong Kong	2014
CHRISTIAN, John	Fredericton, NB	1995
CHUA, Ken	Vancouver, BC	2013
CLAYTON, Alan	Winnipeg, MB	2013
CLIFTON, Wayne A.	Regina, SK	1994
CLIMENHAGA, John Jay	Toronto, ON	2003
COLBOURNE, Overton	Corner Brook, NL	2006
COLLINS, Michael P.	Oakville, ON	1988
COLLINS, Robert A.	Toronto, ON	1986
COMEAU, Michel P.	Halifax, NS	2002
COOK, Geoff R.	Toronto, ON	1982
COOPER, William P.	Oakville, ON	1986
CORMIER, Guy	Sarsfield, ON	2006

**CSCE FELLOWS / FELLOWS SCGC****ELECTED/ÉLUS 1982-2016**

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
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
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, Saïd M.	Toronto, ON	1995
EDAMURA, Hank	Thornhill, ON	2004
EL-BADRY, Mamdouh	Calgary, AB	2005
EL DAMATY, Ashraf	London, ON	2014
ELEKTOROWICZ, Maria	Montreal, QC	2003
EL-JABI, Nassir	Moncton, NB	1997
ELLIOTT, Cyril R.	St. John's, NF	1989
ELLIS, John S.	Kingston, ON	1985
ELMARAGHY, Rachik	Quebec, QC	2016
EL-SALAKAWY, Ehab	Winnipeg, MB	2016
ER, K.C.	Edmonton, AB	2010
ERKI, Marie-Anne	Kingston, ON	2004
FALLIS, Ken J.	Winnipeg, MB	1985
FAM, Amir	Kingston, ON	2015
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

## CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2016

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, Lipinc	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
GREEN, Roger	Waterloo, ON	1985
GREENFIELD, David	Burlington, ON	2001
GRIMBLE, Louis	Edmonton, AB	2001
GUILLAUD, Christian	Montréal, QC	1991
HAAS, Ralph C.	Waterloo, ON	1994
HAMEL, Laurent	Québec, QC	1982
HAN, Yingcai	Calgary, AB	2008
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
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
HIBBARD, William R.	Edmonton, AB	1996
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
HOSAIN, Mel U.	Saskatoon, SK	1985
HOUDE, Jules	Montréal, QC	1986
HRUDEY, Terry Michael	Edmonton, AB	1999

# CSCE FELLOWS / FELLOWS SCGC

## ELECTED/ÉLUS 1982-2016

HUANG, Jean	Tianjin, China	2015
HUMAR, Jag Mohan	Ottawa, ON	1987
HUSSEIN, Augad	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
ISHERWOOD, Brian	Mississauga, ON	1999
ISMAIL, Sayed	Fredericton, NB	2001
ISYUMOV, Nicholas	London, ON	1996
JAMES, Peter	London, ON	1986
JAMES, William	Guelph, ON	1985
JAY, John	Halifax, NS	1997
JIN, Gordon	St. John's, NF	2003
KOCH, Verlin	Calgary, AB	2009
JOFRIET, Jan C.	Guelph, ON	1992
JOHNSON, Claude D.	Thunder Bay, ON	1985
JORDAAN, Ian J.	St. John's, NF	1990
JULL, David E.	Toronto, ON	1998
JURIMAE, Jaak	Toronto, ON	2002
KATOPODIS, Christos	Winnipeg, MN	2012
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
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
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

## CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2016

LAU, David T.	Ottawa, ON	2003
LAUGHTON, Peter J.	Allison, ON	1997
LAVIGUEUR, Gilles	Verdun, QC	1984
LAWRENCE, Gregory	Vancouver, BC	2013
LEBLANC, Sylvain	Dieppe, NB	2011
LECLERC, André	Québec, QC	1992
LECLERC, Anne-Marie	Quebec, QC	2007
LEFLER, James C.	Woodstock, ON	1996
LÉGER, Pierre	Montréal, QC	2008
LESTER, W. Barry	Calgary, AB	1997
LEXIER, Easton I.	Winnipeg, MB	1990
LIU, Guo Xin (Andrew)	Regina, SK	2013
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
MADSEN, Borg	North Vancouver, BC	1989
MAILLARD, Pierre-Louis	Montréal, QC	1997
MAINALI, Arbind	Edmonton, AB	2014
MAK, Garry	Saskatoon, SK	2000
MAMET, Jean-Claude	St. Lambert, QC	1996
MARCIL, J.R. Maurice	Ste-Dorothée, QC	1989
MARSHALL, Donald G.	Oakville, ON	1999
MARTIN, Robert M.	St. Catharine's, ON	1998
MARTINI, Orlando V.	Etobicoke, ON	1994
MARTONI, Ciro	Montréal, QC	1997
MARZOUK, Hesham	St. John's, NF	1998
MASSICOTTE, Bruno	Montreal, QC	2005
MASSIERA, Michel	Moncton, NB	1990
MAURENBRECHER, A.H. Paul	Ottawa, ON	2000
MAVINIC, Donald S.	Vancouver BC	1994
MCBEAN, Edward	Guelph, ON	2010
MCCABE, Brenda	Toronto, ON	2007
MCCALLA, John H.	Nepean, ON	1994
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

**CSCE FELLOWS / FELLOWS SCGC****ELECTED/ÉLUS 1982-2016**

MCNALLY, Patrick J.	Burlington, ON	1983
METTEN, Andrew	Vancouver, BC	2002
MILBURN, Robert C.	Yellowknife, NWT	1998
MIRZA, Bashir	Karachi, PAKISTAN	1989
MIRZA, Cameran	Willowdale, ON	1985
MIRZA, M. Saeed	Montréal, QC	1982
MIRZA, Sher Ali	Thunder Bay, ON	1992
MISENER, Donald K.	St. Catharines, ON	1993
MITCHELL, Denis	Pointe-Claire, QC	1992
MOIR, Frank C.	Toronto, ON	1993
MONTGOMERY, James	Edmonton, AB	2005
MONTY, Guy	Outremont, QC	1983
MOORE, Ian	Kingston, ON	2015
MORANTZ, Norman	Montréal, QC	2001
MORGENSTERN, Brian Douglas	Vancouver, BC	2003
MORRALL, John F.	Calgary, AB	1998
MORRIS, Glenn A.	Winnipeg, MB	1982
MORRISON, Kenneth A.	Willowdale, ON	1996
MOSELHI, Osama E.	Montréal, QC	1994
MOULDING, Herbert C.	Kelowna, BC	1983
MUDRY, Nestor	Winnipeg, MB	1983
MUFTI, Aftab A.	Halifax, NS	1984
MULLIGAN, Catherine	Montréal, QC	2015
MUNRO, Bert	Saskatoon, SK	2008
MURRAY, H. Ramsay M.	Victoria, BC	1991
MUTRIE, James G.	North Vancouver, BC	1999
MUZYCZKA, Walter	Winnipeg, MB	2004
NASSER, Karim W.	Saskatoon, SK	1995
NAVIN, Francis P.D.	Vancouver, BC	1988
NEALE, Kenneth	Sherbrooke, QC	1993
NEILL, Charles R.	Edmonton, AB	1983
NEIS, Vernon V.	Kelowna, BC	1986
NELL, Peter	John's, NF	2004
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
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
PALL, Avtar	Montreal, QC	2003
PARCHEWSKY, Nicholas	Hinton, AB	1984
PARDOE, Maurice F.	Saskatoon, SK	1992
PAULTRE, Patrick	Sherbrooke, QC	1997
PEKAU, Oscar A.	Montreal, QC	2011
PENTLAND, Edward R.	Langley, BC	2010



## CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2016

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, Gerard	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
RANKINI, 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, Howard	Regina, SK	2010
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
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

# CSCE FELLOWS / FELLOWS SCGC

## ELECTED/ÉLUS 1982-2016

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
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
STOLLE, Dieter	Hamilton, ON	2013
STRAKA, Vera	Don Mills, ON	2002
SUTHERLAND, Jack	Regina, SK	2011
SUECOVA, Dagmar	Winnipeg, MB	2015
SWEENEY, Robert A.P.	Montréal, QC	1996
SWEETNAM, Albert	Toronto, ON	2005
TAIT, Michael	Hamilton, ON	2016
TAIT, Robert	Burlington, ON	1990
TANAKA, Hiroshi	Gloucester, ON	1989
TANENBAUM, Joseph	Toronto, ON	2001
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

## CSCE FELLOWS / FELLOWS SCGC ELECTED/ÉLUS 1982-2016

TOWNSEND, Ronald	Gloucester, ON	1990
TREMBLAY, Jacques	Shawinigan, QC	1986
TREMBLAY, Robert	Montréal, QC	2004
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
VALSANGKAR, Arun	Fredericton, NB	2005
VAN DUSEN, H. Al	Agincourt, ON	1985
VAUGHAN, J. Philip	Halifax, NS	1982
VECCHIO, Frank	Toronto, ON	2015
VENTURA, Carlos	Vancouver, BC	2001
VICKERS, T. Victor E.	Qualicum Beach, BC	1991
VIERHUIS, Hans	Markham, ON	2005
VINCENT, Claude	Québec, QC	1997
VINCENT, Richard B.	Pointe-Claire, QC	1996
VIRARAGHAVAN, T.	Regina, SK	1991
VIZER, Andrew	Vancouver, BC	1999
WALLACE, John A.	Burnaby, BC	2006
WALLACE, Reginald	Toronto, ON	2001
WALLER, Donald H.	Halifax, NS	1983
WATT, W. Edgar	Kingston, ON	1991
WAUGH, Lloyd	Fredericton, NB	2002
WEBER, Orlan John	Edmonton, AB	1994
WEILER, Gerry	Burnaby, BC	2000
WEISMAN, Simon	North York, ON	2000
WHETEN, Waldo A.	Hamilton, ON	1995
WHITMORE, David	Winnipeg, MB	2010
WIDEMAN, R. Max	Vancouver, BC	1994
WIGHAM, John A.	Saskatoon, SK	1988
WIJEWICKREME, Dharma	Burnaby, BC	2013
WILKINS, Ernest B.	Victoria, BC	1996
WILSON, Frank R.	Fredericton, NB	1983
WILSON, Kenneth	Victoria, BC	2001
WINDSOR, Neil	Lewisport, NF	2012
WIRASINGHE, Chan	Calgary, AB	2001
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

\* Deceased during the past year. Décédé l'année dernière.

## **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

#### **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

#### **PRIX W. GORDON PLEWES AWARD**

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

#### **MÉDAILLE HORST LEIPHOLZ MEDAL**

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

#### **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

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

**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

**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

**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

**PPRIX JEUNE INGÉNIEUR PROFESSIONEL/  
YOUNG PROFESSIONAL ENGINEER AWARD**

2015	Katelyn Fréçon
2016	Mark Scanlon

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

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

#### **PRIX JAMES A. VANCE AWARD**

1992	Anthony Kruysey
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

#### **GOVERNMENTAL LEADERSHIP IN SUSTAINABLE INFRASTRUCTURE LEADERSHIP GOUVERNE- MENTAL EN INFRASTRUCTURE DURABLE**

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

#### **EXCELLENCE IN INNOVATION IN CIVIL ENGI- NEERING AWARD / PRIX D'EXCELLENCE EN IN- NOVATION 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 Inculet
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 Elbahy

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

**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 Courtrice, Abul Basar M. Baki, David Z. Zhu, Christopher Cahill, William M. Tonn

**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

**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

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

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

#### **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. Inculat
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 Haghighat
2016	Steven Daly, Brian Morse and Richard Martin

#### **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. Saaticioglu, 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. Saaticioglu & 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

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

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



**MEMBERS OF HONOURS AND FELLOWSHIPS COMMITTEE  
/ MEMBRES DU COMITÉ DES DISTINCTIONS  
HONORIFIQUES ET DES FELLOWS 2016-2017**

- Randy Pickle, Oshawa (Chair)
- Michael Bartlett, London
- Cathy Lynn Borbely, Saskatoon
- Dan Burns, Calgary
- James Garland, Whitby
- David Innes, Fredericton
- Gord Jin, St. John's
- Lloyd Waugh, Fredericton
- Wade Zwicker, Edmonton (ex officio)
- Doug Salloum, Montreal (Secretary)

# COMITÉS DE SÉLECTION SELECTION COMMITTEES 2016 - 2017

## CAREER AWARDS

### MÉDAILLE ALBERT E. BERRY MEDAL

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

### PRIX CAMILLE DAGENAIS AWARD

Mike Bender, Calgary (Chair/Président)  
Slobodan Simonovic, London  
Bill James, Guelph

### MÉDAILLE HORST LEIPHOLZ MEDAL

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

### PRIX A.B. SANDERSON AWARD

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

### PRIX WALTER SHANLY AWARD

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

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

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

### 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 W. GORDON PLEWES AWARD

Alistair MacKenzie, Burlington (Chair)  
Cal Sexsmith, Saskatoon  
Bruce Higgins

### PRIX JAMES A. VANCE AWARD

Jim Gilliland, Calgary (Chair/Président)  
Tony Bégün, St-Georges-de-Beauce  
Reg Andres, Toronto

# COMITÉS DE SÉLECTION SELECTION COMMITTEES 2016 - 2017

## BEST PAPER AWARDS

### 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

### AWARD FOR GOVERNMENTAL LEADERSHIP IN SUSTAINABLE INFRASTRUCTURE / PRIX POUR LE LEADERSHIP GOUVERNEMENTAL EN INFRASTRUCTURE DURABLE

Nick Larson, Toronto (Co-Chair/Co-Président)  
Jim Gilliland, Calgary

## CSCE ANNUAL CONFERENCES

1972	Saskatoon, SK (with EIC)
1973	Montréal, QC (with EIC)
1974	Toronto, ON (with EIC and Union Pan-American D'Ingenieurs (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	Montréal, 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	Montréal, QC (with EIC)
1988	Calgary, AB
1989	St. John's, NL
1990	Hamilton, ON
1991	Vancouver, BC
1992	Québec, 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	Montréal, QC
2003	Moncton, NB
2004	Saskatoon, SK
2005	Toronto, ON
2006	Calgary, AB
2007	Yellowknife, NT
2008	Québec, QC
2009	St. John's, NL
2010	Winnipeg, MB
2011	Ottawa, ON
2012	Edmonton, AB
2013	Montréal, QC
2014	Halifax, NS
2015	Regina, SK
2016	London, ON

## 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

\* Deceased \*\*Residence during presidency

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