



Engineers Canada AWARDS

Presented annually since 1972 to recognize outstanding Canadian engineers, teams of engineers, engineering projects and engineering students, the Engineers Canada Awards highlight engineering excellence, as well as the contributions of Canadian engineers to their profession, their community, and to the safety and well-being of Canadians.



Gold Medal Award Julie Payette, ing. OIQ

Acclaimed Canadian astronaut Julie Payette's career path offers new meaning to the term upward mobility.

From 2000 to 2007, Ms.

Payette served as chief astronaut for the Canadian Space Agency, a pinnacle of her agency service since joining in 1992.

Among her career highlights, in 1999 she became the first Canadian to step inside the International Space Station. Last year, she completed a 15-day outer space mission as the prime robotic arm operator responsible for manipulating Canada's Canadarm on the shuttle, the Canadarm2 on the Space Station and a special-purpose Japanese arm on the Kibo module.

She also served as a capsule communicator at Mission Control in Houston. Before joining the agency, Ms. Payette's work as a computer engineer focused on speech processing and understanding natural language.



National Award for an Engineering Project or Achievement Project: Manitoba Hydro Place

Manitoba Hydro Place is the first of a new generation of

sustainable buildings that combine time-tested environmental concepts with advanced technologies to achieve a "living building" that dynamically responds to the local climate.

Manitoba Hydro adopted an integrated design process that brought the entire design team together from the outset. The Canadian engineering team led by John Munroe, P.Eng. (AECOM Calgary); Michael Shewchuk, P.Eng. (AECOM Edmonton); Alan Aftanas, P.Eng. (AECOM Winnipeg); Barry Charnish, P.Eng. (Yolles, Toronto) and Tom Malkiewicz, P.Eng. (Crosier Kilgour, Winnipeg), along with Design Architects KPMB, Architects of Record Smith Carter and energy engineers Transolar were key in developing and integrating ingenious concepts to make this outstanding project possible.



Young Engineer Achievement Award Constantin Christopoulos, PhD, P.Eng. PEO

Developing and designing high-performance earthquake-resistant systems and vibration mitigation systems for high-rise buildings is the primary focus of Professor Constantin Christopoulos' research.

While still in the early stages of his academic career, the associate professor of civil engineering at the University of Toronto already leads a large research group and has developed a number of innovative vibration control systems for structures that have generated four international patents and a University of Toronto spinoff company. These research and development activities have also earned him international recognition as a pioneer of a new approach to seismic design and earthquake engineering that aims to eliminate all damage to structures even after major earthquakes.

Professor Constantin has also helped Canadian and international companies implement advanced seismic resistant technologies.



Medal for Distinction in Engineering Education Greg J. Evans, PhD, P.Eng. PEO

A dynamic instructor, Professor Evans utilizes a variety of pedagogical techniques to ensure student learning and to mimic real-world applications knowledge. As the co-director of the Leaders of Tomorrow program, he has shown a passion for leadership education, seeking to empower engineers to play a leadership role in their profession and society at large.

As a mentor and advisor, Professor Evans has also demonstrated a consistent commitment to student development.

He has also developed "Language Across the Curriculum," a program designed to integrate communications into all facets of engineering education.

With a proven passion for developing future engineers that Ontario will need, Professor Evans has been recognized as an outstanding educator and for his contributions to the student experience.



Award for the Support of Women in the Engineering Profession Cristina H. Amon, Sc.D., P.Eng. PEO

The 13th, and first female, dean at Canada's largest engineering school, the Faculty of Applied Science & Engineering at the University of Toronto, Cristina Amon is one of Canada's most successful and high profile engineers.

A pioneer in the development of computational fluid dynamics for formulating and solving thermal design problems subject to multidisciplinary competing constraints, Ms. Amon continues her research in nanoscale thermal transport in semiconductors and in bio-engineered devices.

Under her leadership, the faculty has created specialized mentorship programs such as Skule Sisters, which brings together female University of Toronto engineering students with female high school students interested in engineering. These and other efforts are increasing the faculty's female undergraduate enrolment and important engagement among current and future female engineering students.

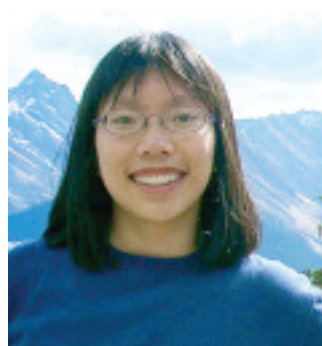


Meritorious Service Award for Professional Service Mike V. Currie, P.Eng. APEGBC

Throughout his career, Mr. Currie has provided invaluable insight, energy and passion to the engineering profession and communities he serves. His leadership and outstanding achievements serve as an example to his colleagues and industry peers.

An accomplished water resources engineer with over 25 years of varied experience, Mike Currie is an expert in flood emergency response and recovery, river and creek engineering, floodplain management, hydrology and municipal infrastructure. A member of the consulting engineering firm Kerr Wood Leidal Associates for over 20 years, Mr. Currie today serves as company president.

Mr. Currie is a past British Columbia and national president of the Canadian Water Resources Association, the current president of the Consulting Engineers of British Columbia and has served on several APEGBC committees.



Gold Medal Student Award Jane Chui

With her combined academic achievements and outstanding commitment to engineering and social issues, Jane Chui has

demonstrated she has the creativity and intellect to apply engineering ingenuity to complex socio-technical challenges.

Ms. Chui has shown a dedication to her fellow engineering students through her involvement in the NSight Mentor Program and the Asian University for Women's Cybermentor Program. She has also devoted considerable time and energy to the Peer Support Initiative, which she co-created to raise awareness of and promote mental health within the engineering community.

As a co-founder of the Citizen Engineer, a faculty-wide student club, Ms. Chui has demonstrated a commitment to bridging the gap between engineering and public policy.



Gold Medal Student Award Mike Klassen

A socially and environmentally conscious individual, Mike Klassen has served as a leader and role model in a number of capacities.

Among his achievements, he helped lead the creation of the University of Toronto's new Energy Systems Engineering program that builds understanding of the interconnectedness of energy systems and how they are affected by human activity. Mr. Klassen also helped create the university's Centre for Global Engineering, serving as the only student member on the formation committee, bringing important perspective to its goals, strategies and activities.

As the co-president of the University of Toronto's Engineers Without Borders chapter, Mr. Klassen is actively involved in initiatives to increase engagement and leadership skills among its members and other students.



Meritorious Service Award for Community Service Jonathan C. Noble, P.Eng. ENGINEERS NOVA SCOTIA

A leading player in the Canadian consulting engineering industry and a Life Member of the Consulting Engineers of Nova Scotia since 2001, Jonathan Noble's community service is legendary.

In addition to mentoring young engineers for the Engineers Nova Scotia for over 25 years, Mr. Noble has been dedicated to Scouts Canada for 30 years, demonstrating tireless enthusiasm for teaching young people the joys of learning about the Canadian outdoors.

True to his belief that it is important to be part of a community's political structure, Mr. Noble has volunteered many hours to assist municipal, provincial and federal politicians with their election campaigns, with door-to-door representation and with administrative support.



Engineers Canada gratefully acknowledges the sponsors of the 2010 Engineers Canada Awards



For more information on the program, award recipients and eligibility criteria, visit www.engineerscanada.ca