



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 communities, and to the safety and well-being of Canadians.



Gold Medal Award
Yusuf Altintas, PhD, P.Eng., FRSC

Professor Yusuf Altintas is recognized worldwide as the leading authority in the field of machining and machine tools.

He has contributed significantly to manufacturing engineering literature with the highest citation record in the field, particularly his theory of kinematics and chatter vibration stability in milling.

He is the founder and president of Manufacturing Automation Laboratories, which distributes practical application of his state-of-the-art research to more than 140 companies and universities worldwide.

Professor Altintas's passion for machining technology, and his dedication to the manufacturing industry, has inspired hundreds of researchers, engineers and students around the world to dedicate their careers to machining technology.



National Award for an Engineering Project or Achievement

Project: Canada Line Rapid Transit Project

The Canada Line is the newest addition to Metro Vancouver's transportation network. Running approximately 18.5 kilometres, the automated rapid transit line features 16 stations, three water crossings, and elevated, at-grade, and underground track sections. The line connects Vancouver International Airport with the city of Richmond and downtown Vancouver.

The project's multidisciplinary nature required strong management and effective integration. The SNC-Lavalin team, led by executive vice-president Jim Burke, P.Eng., delivered the Canada Line almost four months ahead of schedule and on budget. The project's success is lasting proof of the value of engineers and engineering in society, when ingenuity is mixed with effective design and project management.



Young Engineer Achievement Award
Kevin Riederer, P.Eng.

Canadian structural design engineer Kevin Riederer has experience in the design and construction of low-rise to high-rise in both steel and concrete materials. What distinguishes Kevin from his peers is the dedication he displays for supporting and enhancing his profession.

Actively involved in his professional community, he is the founder of the Structural Engineers Association of British Columbia's Young Members Group, past-chair and treasurer of APEGBC Vancouver Branch and is currently an active member of the APEGBC Nominating Committee.

Mr. Riederer's outstanding contributions to both his profession and the public mark an impressive start to what promises to be an influential career.



Medal for Distinction in Engineering Education
Edwin Nowicki, PhD, P.Eng.

Serving as a mentor and advisor Professor Edwin Nowicki has consistently demonstrated his commitment to student development.

Over the years, Dr. Nowicki has also made presentations to high school students promoting engineering as a career. He has shown a passion for leadership education, seeking to empower engineers to play a leadership role in their profession.

Professor Nowicki has a passion for developing the future engineers that Alberta will need. He has been recognized as an educator and for his contributions to the student experience.



Award for the Support of Women in the Engineering Profession
Sherry Sparks, FEC, P.Eng.

The City of Moncton, New Brunswick's first female director of building inspection Sherry Sparks was also the first woman project engineer for Marine Atlantic and the first woman regional engineer for the New Brunswick Department of Supply and Services. She is currently vice-president of the

Atlantic Region for the Canadian Society of Civil Engineering and past-president of Engineers and Geoscientists New Brunswick.

Her high-profile academic career focuses on one key issue: the advocacy of women's involvement in the engineering profession. She is an inspiration to the next generation of women looking for a rewarding career and a way to improve the lives of their fellow citizens.



Meritorious Service Award for Professional Service
Darrel J. Danyluk, FEC, FCAE, P.Eng.

Darrel Danyluk has been a strong and consistent voice of the engineering profession, having served as president of Consulting Engineers of Alberta, APEGGA and Engineers Canada. He is also the vice-president of the World Federation of Engineering Organizations, and has been a driving force at the

United Nations Commission on Sustainable Development and the UN Framework Convention on Climate Change.

His technical expertise developed from the design and delivery of infrastructure projects is in the water and transportation sectors. His exceptional professional contributions and tireless dedication to enhancing his professional field and community make him an outstanding member of the engineering community.



Gold Medal Student Award
Erica Barnes

Erica Barnes is a 2011 graduate of civil engineering at McMaster University with a focus on structural engineering and society. She has demonstrated a commitment to sustainability and a passion for restoration and global engineering.

Ms. Barnes has served as chapter president and junior fellow in Africa with the McMaster chapter of Engineers Without Borders Canada. Due in large measure to her leadership, the McMaster chapter was recognized nationally as the 2010 most improved chapter and 2011 chapter of the year.

Ms. Barnes is also involved in a number of activities to increase engagement and leadership skills among Engineers Without Borders members and other students. The Engineers Canada Gold Medal Student Award comes with a \$10,000 scholarship.

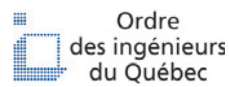


Meritorious Service Award for Community Service
Colin E. Smith, FEC, FCAE, P.Eng.

For decades, Colin Smith has provided exceptional community service at local, provincial and national levels. In the past year, Mr. Smith accepted two additional community service appointments: director of the Victoria Airport Authority Board, and British Columbia Government House Foundation trustee.

He is the immediate past-chair of the 1,500-member West Coast Railway Association and has served as one of three directors of the 625 Powell Street Foundation in Vancouver.

Mr. Smith's service to the profession has also been extensive, including lengthy committee service and terms as president of APEGBC and of Engineers Canada.



Engineers Canada gratefully acknowledges the sponsors of the 2011 Engineers Canada Awards

