

P.ENGs AND ENGINEERING STUDENTS RECOGNIZED WITH AWARDS

By Marika Bigongiari

Excellence Canada announced the recipients of the 2018 Canada Awards for Excellence at a recent gala. **Engineers Canada**—the national organization of Canada's 12 provincial and territorial engineering regulators—was honoured with a silver Excellence, Innovation and Wellness Award. Excellence Canada is devoted to helping organizations become the best they can be by implementing standards of excellence. The annual awards program recognizes organizations doing outstanding work across the country.

McMaster University materials engineering professor **Joseph McDermid, PhD, P.Eng.**, has won the prestigious Dale CH Nevison Award. The award recognizes those who have made significant contributions in the galvanizing field.

Also, McMaster professor **Robert Fleisig, PhD, P.Eng.**, has been honoured as one of Ontario's top teachers. Fleisig, who teaches design engineering, is one of five educators who were honoured by the Ontario Confederation of University Faculty Associations. He heads a special program in which engineering students are challenged to design assistive devices.

A bevy of University of Toronto (U of T) engineering alumni volunteers were honoured with Arbor Awards at the university's annual gala, among them: **Daniel Alonzi, P.Eng.**, **Jennifer Alonzi, P.Eng.**, **Frank Palmay, P.Eng.**, **Larissa Rodo, EIT**, **Michael Gotama, PhD, P.Eng.**, and **Ahthavan Raja Sureshkumar, P.Eng.** The Arbor Awards are given in recognition of graduates whose loyalty, dedication and generosity have significantly added to the U of T experience.

The Canada's Safest Employers Awards winners have been announced. The awards recognize Canadian companies making a difference in promoting the health and safety of their workers. With 10 industry-specific categories ranging from hospitality to mining and natural resources, the awards judge companies on a wide range of occupational health and safety elements. This year's winners include: **Ausenco Engineering Canada**, which took the gold; **Kenaidan Contracting**, which took the silver in the building and construction category; **Klohn Crippen Berger**, which nabbed the silver, both in the mining and natural resources categories; and **Innovative Automation**, which took a silver in the young worker safety category.

The Royal Society of Canada (RSC) and its members have elected this year's new fellows and have also named its incoming class of the



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College of New Scholars, Artists and Scientists. Eighty-nine new fellows in the Academies of Arts and Humanities, Social Sciences and Science were elected by their peers for their outstanding achievements. Among this year's cohort of new fellows: **Hoda Elmaraghy, PhD, P.Eng.**, **Zhou Wang, PhD, P.Eng.**, and **Jianping Yao, PhD, P.Eng.**, in the Academy of Science, Division of Applied Sciences and Engineering; and **Feridun Hamdullahpur, PhD, P.Eng.**, as a specially elected fellow. The RSC also welcomed 52 new members of the College of New Scholars, Artists and Scientists, including: **Alison McGuigan, PhD, P.Eng.**, **Carolyn Ren, PhD, P.Eng.**, and **Alexander Wong, PhD, P.Eng.** The RSC recognizes excellence, serves in an advisory capacity to government and society and promotes a culture of knowledge and innovation.

The winners of the Ontario Wood WORKS! Wood Design Awards have been announced, honouring architects, engineers, developers and other construction industry professionals across Ontario in recognition of their design excellence, advocacy and innovation in featuring wood in their projects. Wood WORKS! is a national, industry-led initiative of the Canadian Wood Council, working to promote and support the use of wood in all types of construction. Among this year's winning projects are: DARE (discovery, applied research, entrepreneurship) District, Algonquin College in Ottawa, Ontario, designed by structural engineering firm **Adjeleian Allen Rubeli Ltd.**; Cowbell Brewing Company in Blyth, ON, designed by **Tacoma Engineers** and **Debbert Engineering Inc.**; Clear Water Retreat in Lake of the Woods, ON, designed by **Wolfrom Engineering Ltd.**; AquaBlu Condominiums in Grimsby, ON, designed by structural engineering firm **Leonard Kalishenko & Associates Ltd.**; Indigenous Sharing and Learning Centre, Laurentian University in Sudbury, ON, designed

AWARDS



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Kerr Wood Leidal Associates Ltd. is a Canadian Consulting Engineering Awards winner for the Squamish integrated flood hazard management plan in British Columbia.

by structural engineering firm **Blackwell**; Aaniin Community Centre and Library in Markham, ON, designed by structural engineering firm **CH2M Hill**; OakWood Showroom and Design Centre in Ottawa, ON, designed by structural engineering firm **Levac Robichaud Leclerc Associates Ltd.**; North Bay Parry Sound District Health Unit in North Bay, ON, designed by structural engineering firm **Read Jones Christoffersen Ltd.**; and the Albion District Library in Etobicoke, ON, designed by structural engineering firm **Blackwell**.

The 2018 Canadian Consulting Engineering Awards were handed out at a gala in Ottawa, ON, where 20 projects were honoured for exemplifying the highest standard of engineering excellence. The awards, which honour outstanding achievements in the consulting engineering industry, are presented jointly by the Association of Consulting Engineering Companies-Canada and *Canadian Consulting Engineer Magazine*. In addition to giving out awards for categories ranging from buildings and transportation to the environment and wastewater treatment, the event recognizes special individual and team achievements and includes a lifetime achievement award. This year's winners include the following firms, receiving Awards of Excellence in the building category: **Bouthillette Parizeau** for the Bank of Canada head office renewal project, a landmark building, and the nation's central bank, Ottawa, ON; **HH Angus and Associates Limited** for the Centre hospitalier de l'Université de Montréal, Quebec, which also took home the Schreyer Award for that project; **RJC Engineers** for the Shane Homes YMCA at Rocky Ridge, Calgary, Alberta; and **Stantec** for the Calgary compost facility, Alberta. In addition, the following firms were recognized with Awards of Excellence for projects in the transportation category: **COWI North America** for the St. Croix River Crossing, joining Oak Park Heights Minnesota to St. Joseph, Wisconsin; **Stantec** for the Terwillegar Park Footbridge; **Tetra Tech Canada Inc.** and **Stantec** for the Inuvik Tuktoyaktuk Highway, Northwest Territories, a project for which they also took home the Engineering a Better Canada Award. Additionally, the following firms took home Awards of Excellence in the water resources category: **Hatch** and **FHR Inc.** for their work on reducing life safety risks to the Kashechewan First Nation Community, near James Bay, ON; **Kerr Wood Leidal Associates Ltd.** for the Squamish integrated flood hazard management plan, BC; **Stantec** for the sanitary grit treatment and recovery facility, Edmonton, AB; and **WSP** for the Town of Ladysmith wastewater treatment plant upgrade, British Columbia. Also, the following firms won in the natural resources, mining, industry and energy category: **Hatch** for the Chaudière Falls Hydroelectric Redevelopment Project, located on the Ottawa River in Ontario; and **WSP** for the Vancouver International flywheel energy storage and airfield critical power system project in Richmond, BC, which also took home the Tree for Life Award for that project. **Dillon Consulting Limited** took home an Award of Excellence in the special projects category for their area risk assessment for ship-source spills Ottawa-based project in Ontario. The following firms were recognized with Awards of Excellence in the project management category: **Hatch** for the Gahcho Kué Diamond Mine, Northwest Territories; and **WSP** for the Vancouver Convention Centre West sustainability consulting and LEED Platinum project management, British Columbia. The following firms won in the international category: **Hatch** and **Manitoba Hydro International** for their project enhancing dam safety in Katmandu, Nepal, which also took home an Ambassador Award for the same project; **McElhanney Consulting Services Ltd.** for the Veer Kunwar Singh Bridge near Chhapra, Bihar, India—the world's longest

extradosed bridge, at 4.35 kilometres in length, reducing the commute to cross the Ganges by 180 km—and took home an Ambassador Award for the same project.

The 2018 Schulich Leaders have been announced, the recipients of whom will receive Canada’s most prestigious STEM award. Of the 50 recipients, 25 will receive \$100,000 to pursue an engineering degree, and 25 will receive \$80,000 to pursue a degree in science, technology or mathematics. Among this year’s winners are the following Ontario engineering students: **David Gu**, University of Waterloo, software engineering; **Markus Kunej**, University of Toronto, engineering science; **Emelyn Kupinski**, McMaster University, engineering; **Sophia Ludovice**, Queen’s University, engineering; **Atif Mahmud**, University of Waterloo, software engineering; **Peter Matthews**, Queen’s University, engineering; **Angelica Paynter**, University of Ottawa, software engineering; **Nikola Petrevski**, McMaster University, engineering; **Eli Scott**, University of Toronto, engineering science; **Jack Wawrow**, York University, engineering; and **Tony Xu**, Western University, engineering.

The Ontario Professional Engineers Foundation for Education has announced the 2018 cohort of scholarship and award recipients. The foundation provides scholarship funding, recognizes engineering students who have demonstrated academic and leadership excellence, encourages students to pursue licensure and connects them with key resources to help them establish careers in the profession. A full list of award recipients is available at engineersfoundation.ca/list-of-recipients.

University of Toronto materials science and engineering PhD candidate **Phil De Luna** was named to the *Forbes* 30 Under 30 list. DeLuna, who is working to transform waste carbon into valuable chemicals, was cited in the energy category. The *Forbes* 30 Under 30 is an annual compendium featuring 600 young visionaries in 20 different industries.

York University Lassonde School of Engineering graduate students **Zhongpan Wu** and **Karim Hammad** have been recognized for their groundbreaking work in the field of DNA sequencing. The pair won two industry awards for their work, including the Best Live Demo award at the IEEE International Midwest Symposium on Circuits and Systems and the Industry Collaboration Award at the TEXPO/Innovation 360 Symposium.

CALL FOR ENTRIES

Nominations for the 2019 Canada’s Safest Employers awards open February 4. The deadline to apply is May 24. If you are operating a safe and successful organization in Canada, they would like to hear from you. For more information, visit www.safestemployers.com/nomination.

Hydro One and Indspire—an Indigenous national charity that invests in education—have announced a substantial new bursary program to support Indigenous post-secondary students studying electrical and mechanical engineering, including apprenticeships, skilled trades and technicians. Recipients can also pursue paid work placements with Hydro One. Applications can be completed online at indspire.ca and must be received by February 1, August 1 and November 1 each year.

Engineers Canada offers two types of scholarships with near-ing deadlines. The Engineers Canada-Manulife scholarship program includes three scholarships of \$12,500 each annually to provide financial assistance to engineers returning to university for further study or research in an engineering field. To be eligible for the scholarships program, candidates must be registered as a licensed engineer with one of the 12 regulators for the duration of their academic year. The application deadline is March 1 for both scholarships. Visit engineerscanada.ca for more details. [e](#)



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