

AND THE WINNERS ARE...

By Nicole Axworthy



Dawn Tattle, P.Eng., was named one of Canada's most powerful women by the Women's Executive Network.

Paul Hession, P.Eng. (left), accepted the Silver Distinction Award from CATA President John Reid at the 16th annual GTEC gala.

TWO P.ENGs HAVE BEEN elected to the American Association for the Advancement of Science, the world's largest general science society and publisher of the journal *Science*. Fellowship is granted for major efforts to advance science. University of Toronto (U of T) professor emeritus and former PEO president M. Jane Phillips, P.Eng., is cited for service to the engineering profession and for her role as a pioneering woman and mentor to female engineers. Christopher Yip, P.Eng., of U of T's Institute for Biomaterials and Biomedical Engineering is cited for contributions to biophysical science and bioengineering, particularly single-molecule biophysics and for contributions to bioengineering education.

The Engineering Institute of Canada (EIC) has announced the 2009 recipients of its honours, awards and fellowships. Five Ontario P.Engs will be inducted as fellows of EIC for their exceptional contributions to engineering in Canada: Barry J. Adams, P.Eng., CSCE; Jerzy M. Floryan, P.Eng., CSME; David V. Plant, P.Eng., IEEE; James S. Wallace, P.Eng., CSME; and Jingxu Zhu, P.Eng., CSChE.

Three Ontario consulting engineering firms were recently recognized in the 2008 Canadian Consulting Engineering Awards. The annual awards, co-sponsored by the Association of Canadian Engineering Companies and *Canadian Consulting Engineer* magazine, recognize projects completed by consulting engineering firms. The Schreyer Award, given every year for the most technically innovative project, was awarded to McCormick Rankin Corporation for the rapid replacement of

the Island Park Drive overpass in Ottawa. An Award of Excellence in the water resources and energy production category went to Morrison Hershfield for the Niagara Tunnel project. Engineers Edward Li, P.Eng., Kevin Pask, P.Eng., Chak Lo, P.Eng., Gurminder Pandher, P.Eng., and Joseph Ostrowski, P.Eng., designed a system of huge precast walls that were built deep under water to divert additional water to the Sir Adam Beck hydroelectric station near Queenston. An Award of Excellence in the same category went to CH2M HILL Canada for the expansion of the Region of Peel's Lakeview Water Treatment Plant in Mississauga. Engineers Norm Huggins, P.Eng., Bob Pickett, P.Eng., Bob Christopher, P.Eng., Erik Dullerud, P.Eng., John Mills, P.Eng., Julian Maclean, P.Eng., and Jesus Garcia-Aleman, P.Eng., were involved in the expansion of the plant, which makes it the largest in the world to combine oxidation-biological processes with ultra-filtration.

Dawn Tattle, P.Eng., president and partner, Anchor Shoring & Caissons Ltd., was named one of Canada's most powerful women by the Women's Executive Network (WXN), which releases an annual top 100 list honouring the achievements of women in all fields of endeavour. Those honoured, divided into eight categories, are chosen by an independent advisory board under the leadership of WXN, a Toronto-based networking and advocacy group. Tattle was named under the trailblazers and trendsetters category.

Paul Hession, P.Eng., recently received a Silver Distinction Award in the pilot proj-

[AWARDS]

ects category at the GTEC 2008 Distinction Awards gala in Gatineau, QC. The national award recognizes Hession's role as executive leader of the team that successfully piloted a new way of implementing shared IT services in six federal government departments. GTEC is a forum on the use of technology to improve government services and operations. Its annual awards honour public sector leadership in innova-



Dan Zhang, PhD, P.Eng., was named a tier 2 Canada research chair in robotics and automation.

Jonathan Rose, PhD, P.Eng., is a new fellow of the Association for Computing Machinery.

In addition, the Canada Foundation for Innovation has provided \$87,091 to upgrade Zhang's research equipment.

Jonathan Rose, PhD, P.Eng., University of Toronto professor and chair, department of electrical and computer engineering, has been appointed a fellow of the Association for Computing Machinery (ACM) for his contributions to the architecture and computer-aided design of field-programmable gate arrays. ACM

tion, in federal, provincial, municipal and national classifications. From close to 100 nominations in 2008, the 35 medals were given in such categories as international partnerships, service delivery to citizens and businesses, and cross-jurisdictional partnerships.

Dan Zhang, PhD, P.Eng., has been named a tier 2 Canada research chair in robotics and automation to further develop his parallel robot design, which has the potential to reinvent manufacturing capabilities in the automotive and aerospace sectors. Zhang, director of the automotive, manufacturing and mechanical engineering programs and a professor in the faculty of engineering and applied science at the University of Ontario Institute of Technology, was awarded \$500,000 to continue his research and development. In



is the world's largest educational and scientific computing society aiming to advance computing as a science and profession.

The 2008 Ontario Concrete Awards raise awareness of concrete as Ontario's primary construction material and highlight architects, engineers, contractors and owners who have contributed to the Ontario concrete industry. The Architectural Merit Award went to the Fifth Town Artisan Cheese Factory project in Picton. The engineering firm was Blackwell Bowick Partnership Ltd. The Architectural Hardscape Award went to the Chinguacousy Skatepark project in Brampton. The engineering firm was also Blackwell Bowick Partnership Ltd. The Infrastructure Award went to the Talbot Trail Bridge in



2008 Ontario Concrete Awards were presented to (clockwise from the top of this page) the West Village Suites (mid to high rise residential, Tacoma Engineers), the Island Park Bridge (specialty concrete, McCormick Rankin), the "Lien on Me" House (specialty concrete products and sustainable concrete construction, Blackwell Bowick Partnership), the Bay

Adelaide Centre (material development and innovation, Halcrow Yolles), the Talbot Trail Bridge (infrastructure, Dillon Consulting), the Chinguacousy Skatepark (architectural hardscape, Blackwell Bowick Partnership), and the Fifth Town Artisan Cheese Factory (architectural merit, Blackwell Bowick Partnership).



Wheatley. The engineering firm was Dillon Consulting Ltd. The Material Development and Innovation Award went to the Bay Adelaide Centre in Toronto. The engineering firm was Halcrow Yolles. The Mid to High Rise Residential Award went to the West Village Suites in Hamilton. The engineering firm was Tacoma Engineers Inc. The Specialty Concrete Applications Award went to the Island Park rapid bridge replacement project in Ottawa. The engineering firm was McCormick Rankin Corp. The Specialty Concrete Products Award and the Sustainable Concrete Construction Award went to the "Lien on Me" House project in Etobicoke. The engineering firm was Blackwell Bowick Partnership Ltd.

CH2M HILL Canada has won the RBC Best Immigrant Employer Award for its demonstrated leadership in bringing skilled immigrants into the Toronto labour market. The award was presented by the Toronto Region Immigrant Employment Council as part of its Immigrant Success Awards recognizing employers and individuals in the Toronto region that are leaders in recruiting, retaining and promoting skilled immigrants in the workplace.



University of Toronto SAE racing team, front row, left to right: Nilufar Damji, Marina Chan, Leo Simonis, Mark Osmokrovic, Daniel Ly, Vince Libertucci, Luke Osmokrovic, Arian Khorshid, Danile Veneziano, James Correia, Cathy D'Souza; back row, left to right: Chris Siemieniuch, Jonathan Brooks, Nicholas Burgwin, Trevor Vaughan, Mark Prelich, Stefan Kloppenborg, Rajdeep Ghatore, Michael Bakaic, Saqib Siddiqi, David Lee, Lucius Ling.

The University of Toronto Engineering Formula Society of Automotive Engineers (SAE) racing team ranks fourth among 505 student teams worldwide that compete in international Formula SAE competitions. Formula SAE competitions challenge university students to design, build and compete in scaled-down Formula-style autocross racecars. U of T's team was the only Canadian team in the top 10 ranking, and the second in North America. The ranking is conducted by the Formula Student World organization, based on a formula that considers the score from each team's last six competitions.

CALL FOR ENTRIES

The Dyson Canada Design Competition invites Canadian student design engineers to showcase their talent by designing something that solves a problem. Submissions are being accepted until June 15 at www.jamesdysonaward.org. The winning designer will receive \$5,000, a Dyson vacuum and earn the chance to compete for the international James Dyson Award. Σ