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ENGINEERS RECOGNIZED

By Nicole Axworthy

FORTY-FIVE NEW fellows were inducted into the Canadian Academy of Engineering (CAE) at a ceremony in conjunction with the academy's annual general meeting. The CAE is an independent, self-governing and non-profit organization established in 1987. Members of the CAE are nominated and elected by their peers to honorary fellowships, in view of their distinguished achievements and career-long service to the engineering profession. The 2011 fellows include Ontario engineers: John M. Beck, P.Eng., Dennis E. Becker, P.Eng., Giovanni (John) Bianchini, P.Eng., Allan Carswell, P.Eng., Anton Davies, P.Eng., Said Easa, P.Eng., Henry N. Edamura, P.Eng., Elizabeth Anne Edwards, P.Eng., Thomas Zoltan Fahidy, P.Eng., Peter Halsall, P.Eng., Catherine Karakatsanis, P.Eng., FEC, Tibor Kokai, P.Eng., Mohamed Lachemi, P.Eng., John McPhee, P.Eng., Arun K. Misra, P.Eng., Anthony Rosati, P.Eng., H.I.H. Saravanamuttoo, P.Eng., Dawn Tattle, P.Eng., Christopher Young, P.Eng., and Weihua Zhuang, P.Eng.

PEO student member Erica Barnes has received the 2011 Engineers Canada Gold Medal Student Award, which comes with a \$10,000 scholarship. A 2011 civil engineering graduate of McMaster University, Erica is committed to sustainability and global engineering. A past chapter president and junior fellow in Africa with the McMaster chapter of Engineers Without Borders (EWB), she has been involved in activities to increase engagement and leadership skills among EWB members and other students.

Enermodal Engineering, Canada's largest consulting firm exclusively devoted to green buildings, was named one of the Top 10 Best Workplaces in Canada by the Great Place to Work Institute. Of the seven consulting firms on the annual Top 100 list compiled by the institute, Enermodal was the only firm to place in the Top 10. "Being named to the Top 10 of Canadian employers is a great way for us to measure our progress towards the goal of creating a fun, successful and forward-thinking workplace," says Stephen Carpenter, P.Eng., president of Enermodal. The Great Place to Work Institute is a global research and management consultancy with expertise in workplace transformation.

The Canadian Engineering Memorial Foundation (CEMF) has announced its 2011 scholarship winners. The Vale Undergraduate Engineering Scholarship goes to Jessica Steeves and Rita Laith. The \$10,000 scholarships are awarded annually to two women in a CEAB-accredited undergradu-



Clockwise from top left: Erica Barnes received the 2011 Engineers Canada Gold Medal Student Award; Rita Laith was awarded the \$10,000 Vale Undergraduate Engineering Scholarship from the Canadian Engineering Memorial Foundation (CEMF); Vivian Hui was the Ontario region winner of the \$5,000 CEMF Undergraduate Scholarship; Ramkrishna M. Godse, P.Eng., was recently awarded an honorary life membership by the Association of Professional Engineers and Geoscientists of Manitoba; and Jessica Steeves was awarded the \$10,000 Vale Undergraduate Engineering Scholarship from CEMF.

ate engineering program in Canada. Steeves is a second-year geological engineering student at Queen's University, where she recently completed her term as the director of events for the Queen's Engineering Society. Laith is a third-year civil engineering student at the University of Windsor, where she donated her time for the Engineering Open House and Windsor Welcome Week and is a lab student volunteer.

The \$5,000 CEMF Undergraduate Scholarship winner for Ontario is Vivian Hui. A University of Toronto (U of T) student studying engineering science, Hui was cited as an active volunteer and strong role model for the engineering profession. Since 1990, CEMF has been promoting engineering as a career choice for young Canadian women through its extensive scholarship program.

CSA Standards has announced the recipients of the 2011 Award of Merit. The award is given to those who have demonstrated leadership in developing Canadian voluntary standards and who, through technical, administrative

or special standards activities, have advanced the purpose of CSA Standards. Awards were presented to 12 people, including **Richard Barnes, P.Eng.**, president and principal engineer, ANRIC, in recognition of outstanding leadership, expert knowledge and tireless dedication to codes and standards related to pressure equipment and nuclear technology; **Alfred Brunger, PhD, P.Eng.**, technical manager, energy systems, product testing, Exova Canada, in recognition of his leadership, pioneering work and commitment to developing and advancing standards related to solar energy; and **Brian Rolfe, P.Eng.**, an independent consultant, in recognition of pioneering work, and long-standing leadership and support for safety standards related to the nuclear industry.

Ramkrishna M. Godse, P.Eng., president, R.M. Godse & Associates Ltd., Winnipeg, was recently awarded an honorary life membership by the Association of Professional Engineers and Geoscientists of Manitoba. The award recognizes his contributions to the structural engineering profession over the past 40 years and his service to the association and the broader community. Godse is a professional engineer registered in the provinces of Ontario, Manitoba, Saskatchewan, Alberta and British Columbia, and is a past recipient of the Saskatchewan Premier's Award of Excellence in Design.

Consulting Engineers of Ontario recently announced the winners of the 2011 Ontario Consulting Engineering Awards. The awards recognize the knowledge, skill and expertise of consulting engineers in Ontario and showcase the importance of consulting engineering to Ontario's economic, social and environmental quality of life. The Willis Chipman Award went to the consortium of **Hatch Mott MacDonald, IBI Group and MMM Group Ltd.** for their program management and engineering consulting services in the \$700-million GO Transit rail infrastructure improvement project. An Award of Excellence went to **Tenova Goodfellow Inc.** for a slope detection system to improve basic oxygen furnace performance and safety; **DST Consulting Engineers Inc.** for slope stabilization using soil nail and root technology; and **Stantec**



Ontario Volunteer Service Award recipients and MPPs are, left to right, MPP Steve Clark, John Wilson, P.Eng., FEC, Steven Rose, P.Eng., FEC, John Van Oostrom, P.Eng., FEC, Chris Roney, P.Eng., BDS, FEC, James Lee, P.Eng., FEC, and MPP John Gerretsen.

Consulting Ltd. for the Wychwood Barns green redevelopment project. Award of Merit winners were: **H.H. Angus & Associates Ltd.** for the North Bay Regional Health Centre; **Conestoga-Rovers & Associates** for the Milton quarry groundwater recharge well system; **Aiolos Engineering Corp.** for the UOIT Automotive Centre of Excellence; **CH2M HILL Canada Ltd.** for the Toronto basement flooding protection program general services contract 1; **Stantec Consulting Ltd.** for the Grand River assimilative capacity assessment; and **Delcan Corp.** for the Trafalgar Street/Hale Street & CN Rail elevated roundabout grade separation project in London.

Five professional engineers were recently honoured at an Ontario Volunteer Service Awards ceremony in Kingston. **John Wilson, P.Eng., FEC**, and **Steve Rose, P.Eng., FEC**, were recognized for 10 years of service. **John Van Oostrom, P.Eng., FEC**, **Chris D. Roney, P.Eng., BDS, FEC**, and **James Lee, P.Eng., FEC**, achieved 15 years of service. The Hon. **John Gerretsen, MPP** (Kingston and the Islands), and **Steve Clark, MPP** (Leeds and Grenville), were on hand to bestow the honours. The annual awards recognize the thousands of people who contribute their time as volunteers across Ontario.

Anne Sado, P.Eng., president, George Brown College, received an honorary doctor of laws from U of T during the university's spring convocation ceremony. Sado, a U of T double-alumna, graduated in engineering in 1977 and from the Rotman School of Management in 1981. She received the honorary doctorate for being a role model to women in engineering and business across Ontario and Canada, for long-term success in her career, and for her community involvement. In 2010, Sado was inducted into the university's Engineering Hall of Distinction, and awarded the Ontario Professional Engineers Gold Medal in 2007. She has also received the Queen's Golden Jubilee Medal for her work with the YWCA of Greater Toronto, the Ontario Professional Engineers Citizenship Award for contributions to her community, and an Arbor Award from U of T.

Minerva Canada Safety Management Education Inc. has announced the winners of its 2011 James Ham Safe Design Award Competition. Canadian university engineering students were challenged to make an original contribution toward integrating safety into engineering design. A Ryerson University undergraduate student team, comprising **Husein Amiji, Mohammad Khan, Vikram Sharma** and **Jon Zorzi**, took top prize for designing an on-board emergency derail, which can be activated by a crew member of

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a runaway train. Second prize went to Queen's University undergraduate student team Nasr Mustafa, Mohammed Mohammed, Fady Ghabros and Mazen Shehada for their design of a temporary free-standing guardrail system to enhance fall protection. The winning team was awarded \$3,500 and the runner-up team received \$1,500. The award honours engineer James Milton Ham, whose Royal Commission report on health and safety led to the creation of Ontario's *Occupational Health and Safety Act* in 1979, and to the adoption of the internal responsibility system in Ontario workplaces.

Eight students, who were among the first to graduate from Laurentian University's mechanical engineering program, have won NASA's Lunabotics Mining Competition. The student

group, comprising Myles Chisholm, Samuel Carriere, Patrick Chartrand, Stephanie Chiasson, Drew Dewit, Greg Lakanen, Jeffrey Pagnutti and Jean-Sebastien Sonier, designed, built and operated a remote-controlled excavating unit—or lunabot—that set a world record for the Florida-based competition, digging up to 237.4 kilograms of simulated moon rock in 15 minutes. The winning team received a \$5,000 scholarship and an invitation to watch a shuttle launch from Cape Canaveral. The Lunabotics competition is a university-level competition designed to engage and retain students in science, technology, engineering and mathematics (STEM).

CALL FOR ENTRIES

The Design Exchange is calling all designers and businesses across Canada to submit their projects for the Design Exchange Awards. Now in its 20th year, the awards promote Canadian design excellence and recognize the critical role of design in all types of organizations. The submission deadline is September 30, 2011. For more information, visit dx.org/dxa.

Nominations for PEO's Gordon M. Sterling Award are now being accepted. The award, which provides funding of up to \$3,500 for leadership development activities, is available for engineering interns who are registered in good standing with PEO's Engineering Intern (EIT) program. The deadline for nominations is October 14, 2011. For more information, visit www.peo.on.ca or email sterlingaward@peo.on.ca. 

Sustained Excellence University of Toronto Engineering

For 138 years, the **Faculty of Applied Science & Engineering** at U of T has been a home for professionals and students who have become engineering global leaders, entrepreneurs and agents of change. This year is no different.

We celebrate and congratulate seven of our finest:

Dean Emeritus **Michael Charles**, P.Eng. — *The Gold Medal*

Alumnus **Anton Davies**, P.Eng. — *The Engineering Medal, Management*

Alumna **Anna Dunets Wills**, P.Eng. — *The Citizenship Award*

Professor **Elizabeth Edwards**, P.Eng. — *The Engineering Medal, Research and Development*

Professor and Alumnus **Doug Perovic**, P.Eng. — *The Engineering Medal, Research and Development*

Associate Professor **Milica Radisic**, P.Eng. — *The Engineering Medal, Young Engineer Award*

Professor and Alumnus **David Zingg**, P.Eng. — *The Engineering Medal, Research and Development*

Now, the Faculty of Applied Science & Engineering is breaking new ground in sustainability. U of T Engineering—excellence that's enduring, working for a sustainable world for generations to come.



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