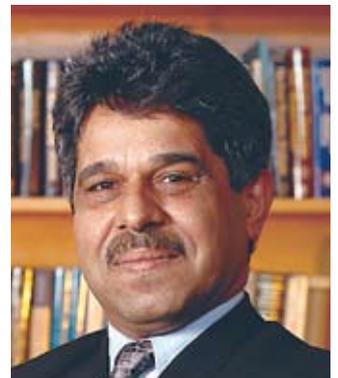


ENGINEERS RECEIVE KUDOS

By Nicole Axworthy

THE ENGINEERING INSTITUTE of Canada (EIC) has named its 2011 award winners. The Sir John Kennedy Medal, the highest honour awarded by the institute, goes to **Gordon Slemmon, PhD, P.Eng.**, professor emeritus, electrical and computer engineering, University of Toronto. The Julian C. Smith Medal, awarded for “achievement in the development of Canada,” goes to **Robert C. Andrews, PhD, P.Eng.**, professor, department of civil engineering, University of Toronto. This year’s new EIC fellows include **D. Grant Allen, PhD, P.Eng.**, vice dean, undergraduate, faculty of applied science and engineering, and professor, department of chemical engineering and applied chemistry, University of Toronto; **William Baird, P.Eng.**, founder and CEO, William F. Baird & Associates; **Ibrahim Dincer, PhD, P.Eng.**, professor, mechanical engineering, University of Ontario Institute of Technology; **Robert D. Hooton, PhD, P.Eng.**, professor, department of civil engineering, University of Toronto; **D. Jean Hutchinson, PhD, P.Eng.**, professor, geological sciences and geological engineering, Queen’s University; **Terrance J. Jamieson, P.Eng.**, vice president, technical support branch, Canadian Nuclear Safety Commission; **Edward A. McBean, PhD, P.Eng.**, professor and Canada research chair in water supply security, University of Guelph; **Shaker Meguid, PhD, P.Eng.**, professor, department of mechanical and industrial engineering, and director, Engineering Mechanics and Aerospace Design Laboratory, University of Toronto; and **Shiping Zhu, PhD, P.Eng.**, professor and chair, department of chemical engineering, McMaster University.

Six individuals from the University of Toronto’s department of mechanical and industrial engineering have been honoured by the Canadian Society for Mechanical Engineering (CSME) through its awards program, which aims to recognize deserving members of the society and mechanical engineering community. **Aimy Bazylak, PhD, P.Eng.**, assistant professor, mechanical engineering, is the recipient of the I.W. Smith Award for outstanding achievement in creative mechanical engineering within 10 years of graduation. **Markus Bussmann, PhD, P.Eng.**, associate chair, graduate studies, has been inducted as a CSME fellow, a recognition awarded to those who have attained excellence in mechanical engineering and contributed to the progress of their profession and society. **Javad Mostaghimi, PhD, P.Eng.**, professor and director, Canadian Centre for Advanced Coating Technologies, has been awarded the Jules Stachiewicz Medal for his contributions to heat transfer in Canada. **James Wallace, PhD, P.Eng.**, professor, mechanical engineering,



Clockwise from top left: Aimy Bazylak, PhD, P.Eng., is the recipient of the I.W. Smith Award from the Canadian Society for Mechanical Engineering (CSME); Markus Bussmann, PhD, P.Eng., has been inducted as a CSME fellow; Javad Mostaghimi, PhD, P.Eng., has been awarded the Jules Stachiewicz Medal from CSME; James Wallace, PhD, P.Eng., is the recipient of the Robert W. Angus Medal from CSME; Lidan You, PhD, P.Eng., is this year’s recipient of the G.H. Duggan Medal from CSME; and Jean Zu, PhD, P.Eng., has received the C.N. Downing Award from CSME.

[AWARDS]



Ahmet Alpas, PhD, P.Eng., was recently honoured with a Synergy Award for Innovation from the Natural Sciences and Engineering Research Council of Canada.

Cristina Amon, PhD, P.Eng., has been honoured with the YMCA Woman of Distinction Award for science and engineering.

A Conestoga College mechanical systems engineering student team recently won first place in the senior design division of the Ontario Engineering Competition. From left: students Brian Montgomery-Wilson, Ian Hillier, Jamie Hobson and David Timmerman with Conestoga College President John Tibbits.



Cristina Amon, PhD, P.Eng., has been honoured with the YMCA Woman of Distinction Award for science and engineering. The YMCA award recognizes the contributions of women who have improved the lives of girls and women. Amon is the second woman to be appointed as a dean of engineering in Canada, and the first female dean of Canada's largest engineering school, the University of Toronto.

is the recipient of the Robert W. Angus Medal for his contributions to the management and practice of mechanical engineering. Lidan You, PhD, P.Eng., assistant professor, mechanical engineering, Institute of Biomaterials and Biomedical Engineering, is the recipient of the G.H. Duggan Medal, awarded annually for the best paper dealing with the use of advanced materials for structural or mechanical purposes. Jean Zu, PhD, P.Eng., professor, mechanical engineering, and chair, department of mechanical and industrial engineering, University of Toronto, has received the C.N. Downing Award for distinguished service to CSME over many years.

Ahmet Alpas, PhD, P.Eng., professor and NSERC/GM industrial research chair, department of mechanical, automotive and materials engineering, University of Toronto, recently received a Synergy Award for Innovation from the Natural Sciences and Engineering Research Council of Canada (NSERC). The NSERC award recognizes partnerships in natural sciences and engineering research and development between universities and industry. Alpas has been working in partnership with General Motors of Canada to produce lightweight metal components for energy-efficient vehicles. A significant outcome of the partnership is the development of a new generation of linerless, aluminum-silicon alloy internal combustion engines, which will benefit the automotive industry and many other Canadian sectors.

Her award citation cites her “noted success in a field under-represented by women, all the while paving the way for other women to do the same.”

A team of engineering students from Conestoga College's mechanical systems engineering program captured first place in the senior design division of the Ontario Engineering Competition, an annual event for the province's best students from CEAB-accredited engineering programs. This is the first time students from a college-based degree program have participated in the event, which is hosted by the Engineering Student Societies' Council of Ontario (ESSCO). This year's competition, held at the University of Western Ontario February 4 to 6, focused on the theme “Engineering for a better world.” Students in the senior design division were given the challenge of designing, constructing, testing and presenting a solution to a resource management problem using limited materials and preparation time. The Conestoga team, comprising Jamie Hobson, Ian Hillier, David Timmerman and Brian Montgomery-Wilson, was the only team among 15 other engineering schools that managed to successfully complete both components of the challenge within the allotted time. The team went on to compete at the Canadian Engineering Competition at McGill University. Σ