

A W A R D S

By NICOLE AXWORTHY

Winners of the 2005 Canadian Consulting Engineering Awards, announced in Ottawa last November, include Ontario consulting engineering firms. Awardees are selected on the basis of their use of technical innovation, project management expertise, and the environmental, social and economic benefits of their project.

MCW Consultants Ltd., Toronto, took home the Schreyer Award for the most outstanding technical project overall for the Ontario College of Art & Design's Sharp Centre for Design in Toronto. Awards of Excellence went to: **Marshall Macklin Monaghan Ltd.**, Toronto, for Pearson International Airport Terminal Development Stage 1 in Toronto; **Acres International**, Niagara Falls, for dam safety programs in Costa Rica and El Salvador; **SNC-Lavalin Engineers & Constructors Inc.**, Toronto, for identification and analysis of sources of pollution in the Dnieper River Basin in Ukraine, Belarus and Russia. The Beaubien Award was presented to **Wayne Bowes, P.Eng.**, Ottawa, who is a former chair of the board of the Association of Consulting Engineers of Canada and had a 40-year career with Delcan.

Ontario engineering firms received awards in several categories at the 5th Annual Wood Works! gala, November 25, 2005, which honours innovative wood-based construction in Ontario. Recipients were: **Enermodal Engineering**, the Green by Design Award, for the E Terra building; **Sigmund Soudack & Associates**, the Wood Design-Residential Award, for Heathdale House; **Peter Sheffield & Associates**, the Wood Design-Multi-Unit Award, for Peel Youth Village; **TSC Engineering Inc.**, the Wood Design-Commercial Award, for The Woodsource; **Halsall Associates Ltd.**, the Wood Design-Large Institutional Award, for Credit Valley Hospital Ambulatory Care Centre and Carlo Fidani Peel Regional Cancer Centre. **B.H. Martin Consultants Ltd.** was a joint winner of the Jury's Choice Award for the Timmins Library and Coalition Centre of Excellence, and **Lavergne Draward & Associates Inc.** was a joint winner of the Jury's Choice Award for the Deer Lake New K-12 School. **Blackwell Bowick Partnership Ltd.** won the Heritage Award for the

University of Waterloo School of Architecture building, and the Wood Design-Small Institutional Award for the Haliburton School of Arts building at Fleming College; **David Bowick, P.Eng.**, received the Building the Future-Engineer Award.

C. William Daniel, P.Eng., was inducted into the Canadian Petroleum Hall of Fame at a special dinner in Calgary. Daniel spent his 40-year career in the oil industry with the Royal Dutch Shell Group, and was president and CEO of Shell Canada from 1974 to 1985. He played a key role in making Shell Canada one of the flagship energy companies in the country. He was a strong voice of the oil industry when lobbying governments, in particular against the National Energy Program.

John A. (Jack) Hopps, P.Eng., PhD, was inducted posthumously into the Canadian Science and Engineering Hall of Fame. In 1949, Hopps was one of the inventors at Toronto's Banting Institute who developed the heart pacemaker. Considered the father of biomedical engineering in Canada, Hopps also invented devices to help the blind and those with muscu-

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lar disabilities through his work as head of the medical engineering section of the division of electrical engineering at the National Research Council.

Toronto architectural and engineering firm **NORR Limited** collected two awards for recent construction projects on November 30, 2005 from the Ontario concrete industry. NORR received the

Precast Concrete-Structural Design Innovation Award for the Peace Bridge Canadian Plaza project and the Cast-in-Place Concrete-Material Development and Innovation Award for the

McMaster University DeGroot Centre. These awards were bestowed on NORR to recognize its "innovative use of concrete as a principal construction element."

Brock Solutions Inc., a Kitchener-based engineering firm, has been named to the 50 Best Managed Companies Platinum Club. This elite business designation is reserved for companies who have maintained their 50 Best Managed Companies designation for at least six straight years. Companies that achieve 50 Best status demonstrate inspired leadership, impres-

Stephen C. Armstrong received his fellowship of the City & Guilds of London Institute last April.



University of Windsor engineering students Maggie Sajczyk, Jeff Defoe and Matt Nantais won top honours at the 2005 Society of Automotive Engineers (SAE) Aero Design East Competition.



David Danelon, Brian Zuccato, Bryan Dato and Marie Burford, of the University of Windsor, took first place in their division in the Ontario Engineering Competition.



Lakehead University engineering student Andrey Malyshev has won the 2005 Schneider Electric Student Merit Award worth \$2,500.



sive growth, profitability, and industry-leading business practices. In 2005, just 31 Canadian companies were named to the Platinum Club.

Raffaele Meo, P.Eng., president, R. Meo & Associates and Seven Lakes Golf Course Ltd., was honoured by the Canadian Italian Business and Professional Association with the 2005 Award for Professional Business of the Year. **Joseph Lepera, P.Eng.**, also received the 2005 Award for Professional Business of the Year.

Thomas Brzustowski, P.Eng., recently received an honorary Doctor of Science degree from York University. For the last decade, Brzustowski was president of the Natural Sciences and Engineering Research Council (NSERC), where he worked to increase industry support for research and innovation in universities. He is currently RBC professor at the University of Ottawa's school of management, and RBC chair in the commercialization of innovation. He is also senior advisor to the Institute for Quantum Computing at the University of Waterloo.

The Canadian Academy of Engineering (CAE) recently inducted its 2005 Fellows: **Ian Blake, P.Eng.**, professor, department of electrical and computer engineering, University of Toronto; **Mo-Shing Cheung, P.Eng.**, professor, department of civil engineering, Hong Kong University of Science and Technology; **Edward Davison, P.Eng.**, professor emeritus, department of electrical and computer engineering, University of Toronto; **Jagmohan Humar, P.Eng., PhD**, distinguished research professor, Carleton University; **Kum Tim Law, P.Eng.**, professor, department of civil and

environmental engineering, Carleton University; **George Liebermann, P.Eng.**, senior engineering fellow, Xerox Research Centre of Canada; **J. Terence Rogers, P.Eng.**, professor emeritus, Carleton University; **C. Andre Salama, P.Eng.**, professor, department of electrical and computer engineering, University of Toronto; and **A. Patrick Selvadurai, P.Eng.**, professor, department of civil engineering and applied mechanics, McGill University. Fellows are professional engineers from all disciplines elected on the basis of their distinguished service and contribution to society, to the country and to the profession. The CAE is an independent, self-governing, non-profit organization established in 1987 to serve the nation in matters of engineering concern.

Stephen C. Armstrong, P.Eng., has earned a fellowship of the City & Guilds of London Institute (CGLI). A forerunner of the University of London's Imperial College, CGLI encourages education and training in and for the workplace. Armstrong is also a fellow of the Institution of Mechanical Engineers.

The IEEE recently named **Alex Gershman, P.Eng.**, professor, McMaster University, and **Frank Kschischang, P.Eng.**, professor, University of Toronto, as fellows. Gershman was named for his work in adaptive beamforming and sensor array processing, and Kschischang for trellis structures, and graphical models and iterative decoding techniques for error-correcting codes.

Three University of Windsor mechanical engineering students won top honours in the open class at the 2005 Society of Automotive Engineers (SAE) Aero Design

East Competition. Students were required to design, build and fly a radio-controlled aircraft that weighed less than 10 pounds without fuel and cargo. The plane also had to take off within 200 feet of the runway. Team members are **Jeff Defoe, Matt Nantais** and **Maggie Sajczyk**. They also engaged the help of Dennis Pratt, of Sun Parlour Radio Control Flyers, to pilot the plane.

Another team of Windsor mechanical engineering students won in their division at the annual Ontario Engineering Competition, going on to represent Ontario at the national finals of the Canadian Engineering Competition in Calgary. Students were required to design and build an apparatus that could hit a target from a height of three storeys while ensuring their cargo landed safely. Team members **Marie Burford, David Danelon, Bryan Dato** and **Brian Zuccato** won first place after being judged on their test results, project presentation, originality of design, and comprehension and use of theoretical principles.

Andrey Malyshev, fourth-year electrical engineering student at Lakehead University, Thunder Bay, has claimed the 2005 Schneider Electric Student Merit Award. Worth \$2,500, the award is part of Electro-Federation Canada's scholarship program and is given to Canadian students who have a promising future in the fields of electrical, electronics or telecommunications. Malyshev has worked on various surface and underground maintenance projects at Campbell Mine in Red Lake as part of Placer Dome's student employment program. He plans to pursue a P.Eng. licence.