
by Sharon Van Ihinger

Four professional engineers have been inducted into Order of Canada, which recognizes people who have made a difference to the country. It is Canada's highest honour for lifetime achievement. Made Members are: **Morden Yolles, P.Eng.**, one of Canada's leading structural engineers, and known for designing some of the tallest buildings in the world. Yolles has taught many engineers and architects and supported education opportunities through a scholarship and a yearly design competition at the University of Toronto. **Valentine O'Donovan, P.Eng.**, founder and chairman of the board of COM DEV, positioned his company as a global leader in wireless and satellite communications. He is recognized for his contributions in the space science and technology sector, including the Canadian Space Program, and for service within his community. **Zeev Vered, P.Eng.**, has made significant contributions to the arts, education, healthcare and his community. A successful entrepreneur and businessman, Vered dedicates his time and expertise to not-for-profit organizations, has endowed a chair in cardiology at the University of Ottawa and has supported many students through his funding of scholarships both in Canada and abroad. **Pierre Lassonde, P.Eng.**, is also a philanthropist and as president of one of the world's largest gold producers, Newmont Mining Corporation, is recognized as an expert in the area of mining and precious metals.



Morden Yolles, P.Eng., O.C., designed many prominent structures in Canada and abroad, including the Ontario Science Centre in Toronto, the Esso Plaza in Calgary and The Katimavik Pavillion at Montreal's Expo '67. He also provided consulting services and promoted high technology structural design in China.

Kim Vicente, P.Eng., received a Steacie Fellowship from the Natural Sciences and Engineering Research Council of Canada (NSERC) to recognize outstanding scientific achievement. Vicente, a professor of engineering at the University of Toronto (see *Engineering Dimensions*, March/April 2002, pp. 24-25), is a leading player in the rapidly growing field of cognitive engineering, a discipline that integrates knowledge from the human and technical sciences to design complex social and technical systems to make them safer, more productive and healthier for people to work with.

James Delaurier, P.Eng., University of Toronto Institute of Aerospace Studies, won the 2002 Best of What's New Award from *Popular Science* in the aviation/space category for his "Mentor Micro Air Vehicle." One hundred winners in 10 cat-

egories, featured in the December issue, were chosen from thousands of new products and innovations. The Mentor is a flapping robot with four wings. It's 30 cm across and weighs about 450g. Developers hope to shrink it to hummingbird size, which would make it useful for surveillance.

Khaled Sennah, P.Eng., Ryerson University, and **John Kennedy, P.Eng.**, University of Windsor, have been awarded the 2002 State-of-the-Art of Civil Engineering Award from the American Society of Civil Engineering (ASCE) for their paper "State-of-the-Art in Design of Curve Box-Girder Bridges" published in the *ASCE Journal of Bridge Engineering*, May/June 2001.

Gary Kramer, P.Eng., has been awarded a \$10,000 Manulife Financial Scholarship for his exploratory research in tunnel boring. Kramer, who is pursuing a PhD in geotechnical engineering at the University of Western Ontario, is looking at tunnel boring machines that excavate tunnels and install a supportive lining at the same time. If successful, his work could address mining infrastructure challenges, in terms of cost-effectiveness and environmentally friendly solutions.

Nadine Harris, P.Eng., has been awarded a \$10,000 CCPE-Meloche Monnex Scholarship. Harris' passion for the environment won out when she put a 14-year career on hold last year to begin a doctorate in environmental law at the University of Toronto. She holds an MBA in addition to her engineering degree, and has set a new goal—to become directly involved in environmental policy and decision-making, working in government or with a non-government agency.

Elvino Sousa, P.Eng., of electrical and computer engineering was among the recipients of the Queen's Jubilee Medal, presented at a special ceremony at Queen's Park on January 30, 2003. The commemorative medal, created to mark the Queen's 50th anniversary on the throne, recognizes Canadian citizens who have made a significant contribution to their community or country. Sousa was selected for his work in the

field of wireless communications. He also recently won a 2003 New Pioneers award, presented by Skills For Change, a non-profit organization in Toronto, his achievement as an immigrant who has enriched his community.

Jag Humar, P.Eng., civil and environmental engineering, Carleton University, has been selected by the Canadian Society for Civil Engineering (CSCE) to receive the 2003 A.B. Sanderson Award. The President of the CSCE said Professor Humar was given the award due to his outstanding contributions to the development and practice of structural engineering in Canada. The award will be presented on June 6, 2003 during the Annual CSCE Conference at the Delta Hotel Beausejour in Moncton, New Brunswick.

The Engineering Institute of Canada (EIC) and its member societies presented awards on March 1, 2003 to engineers in recognition of outstanding service and contributions to the engineering profession in Canada. Six senior awards were presented and 19 engineers were honoured as Fellows of EIC. Among those honoured were **Michael Bozozuk, P.Eng.**, awarded the Canadian Pacific Railway Engineering Medal to recognize many years of leadership and service at the regional branch and section levels of the societies within the EIC. **R. Kerry Rowe, P.Eng.**, received the Institute's K.Y. Lo Medal for his significant contributions to engineering at the international level. **Robert A. Goodings, P.Eng.**, past chair, Ontario Society of Professional Engineers, received an award in the Honorary Member category for outstanding distinction and service to the engineering profession. The institute also elects a number of engineers annually to the grade of Fellow for their exceptional contributions to engineering in Canada. Among the 2003 Fellows are:

Marc. A Rosen, P.Eng., George Akhras, P.Eng., J. Glynn F. Henry, P.Eng., Benjamin C. Lu, P.Eng., John Springfield, P.Eng., Donald A. Taylor, P.Eng., and Gordon H. Thomson, P.Eng.