

By NICOLE AXWORTHY

Stephen Lewis has been honoured with the **Award for Meritorious Service in Humanitarian Aid** from **RedR Canada (Registered Engineers for Disaster Relief)** for his work in disaster relief and humanitarian assistance in Africa. As Canadian Ambassador to the United Nations from 1984-88, he chaired the committee that

Stephen Lewis of RedR with Princess Anne.



drafted the five-year UN Program on African Economic Recovery. In 1986, he became the UN Secretary-General's Special Advisor on Africa. In 1988, he continued his advisory role while taking on work for UNICEF on children's rights. Most recently, he was appointed as the Secretary-General's Special Envoy for HIV/AIDS in Africa. The award was presented to him by Her Royal Highness, Princess Anne, at a special ceremony in Toronto. RedR Canada is a non-governmental organization founded by the Canadian Council of Professional Engineers, the Engineering Institute of Canada, the Association of Consulting Engineers of Canada and the Canadian Academy of Engineering. Its purpose is to provide a vehicle for Canadian engineers to participate in disaster relief services where and when disaster strikes and to raise the image of professional engineers in Canadian society.

M. Monirul Qader Mirza, P.Eng., PhD, adaptation and impacts research

group, meteorological service Canada, Environment Canada, is one of 48 lead scientists selected through global competition to be a coordinating lead author for Chapter 17 (Assessment of Adaptation Practices, Options, Constraints and Capacity) of the *Fourth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC)*, coordinated by the World Meteorological Organization and the United Nations Environment Program. The role of the IPCC is to assess the scientific, technical and socio-economic information relevant to understanding the risk of human-induced climate change, its potential impacts and options for adaptation and migration.

Wallace G. Eley, P.Eng., LC, principal of Consullux Lighting Consultants, a division of Crossey Engineering Ltd. of North York, has been presented with four awards from the Illuminating Engineering Society of North America. The awards were for lighting work at the Detroit Symphony in Detroit, Michigan (with Diamond & Schmitt Architects Inc.), the Technology Enhanced Learning Centre at York University in Toronto (Moriyama & Teshima Architects) and the AstraZeneca Administrative Complex in Mississauga (WZMH Architects).

Andrew H. Wilson, P.Eng., is the recipient of the first President's Award for his exceptional service to the Canadian Society for Mechanical Engineering and mechanical engineering in Canada. He is honoured for over 20 years of service to the CSME, including presidency in 1979-80 and editorship of the CSME's 25th Anniversary Commemorative Volume (1996).

The Extrusion Technology for Aluminum Profiles Foundation (ET Foundation) announced the winning entries for the 2004 International Aluminum Extrusion Design Competition held earlier this year. Awards have been given to designers who think "outside the box" by creating designs that showcase the best that aluminum profiles have to offer. **Mikel Shani, P.Eng.**, of Waverly Glen Systems in Concord, is a first prize joint winner in the residential category for a group design developed for individuals with physical disabilities, called the Sequoia



University of Waterloo student Bernice Chan is honoured with the CEMF Scholarship Award, pictured here with PEO representatives (from left) George R. Comrie, P.Eng., Robert A. Goodings, P.Eng., and Kenneth C. McMartin, P.Eng.

Free Standing Lift System. The design requirements: portability and light weight, so that one person can carry and assemble it, but enough strength to lift 400 pounds. It also had to be small enough to fit into a car.

Among a group of six engineering students from across Canada, **Bernice Chan**, of Mississauga, has been awarded a \$5,000 Undergraduate Scholarship from the Canadian Engineering Memorial Foundation. Chan is a University of Waterloo student studying systems design engineering. She is also an accomplished pianist, active in community leadership programs and working towards achieving

the Gold Candidate for the Duke of Edinburgh Award. The other recipients are: Stacy MacDonald (University College of Cape Breton), Vassa Reentova (University of Calgary), Jessica Tang (Simon Fraser University), Vèronic Tètreat (École Polytechnique), and Monica Danon-Schaffer (University of British Columbia).

Kate Morgan, a biological engineering student at the University of Guelph, has received a Commonwealth Scholarship, a prestigious award that recognizes students with high intellectual promise and pays for all costs to do a graduate degree in another Commonwealth country. Kate has chosen to pursue bio-engineering at the University of Strathclyde



Kate Morgan, a University of Guelph engineering graduate, is presented with the Commonwealth Scholarship by PEO representative Nick Monsour, P.Eng.

in Scotland. She is the second student in three years to be chosen for this competitive award.

The Research Achievement Awards, given by Carleton University to recognize quality of research undertaken by Carleton faculty, honoured several professional engineers. Each award is valued at \$15,000.

Ramachandra Achar, P.Eng., of the department of electronics, has been awarded for his research on the Multilevel Model Reduction Algorithms for Analysis and Design of High-Speed Systems and Packages. Achar's research intends to develop a new methodology using algorithms that is expected to greatly reduce the computational cost of optimization and design of high-speed systems. **Rafik Goubran, P.Eng.**, of the department of systems and computer engineering, has been awarded for his Heart and Lung Sounds Monitoring and Analysis project. His research explores potentials for monitoring and analyzing heart and lung sounds on a continuous basis and may lead to the development of low-cost wearable devices to assess patients. **Thomas Kunz, P.Eng.**, also of the department of systems and computer engineering, has been awarded for his project called Secure Multicast Routing in Ad-Hoc Networks. His research explores security-related aspects of multicast routing protocols for networks such as military battlefields, emergency search and rescue sites, rural and third world areas.

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