



Delwyn George Fredlund - nominated by the Canadian Geotechnical Society for the Julian C. Smith Medal

Delwyn Fredlund is currently Professor Emeritus at the University of Saskatchewan and a senior geotechnical engineering specialist at Golder Associates in Saskatoon. Del joined the Civil and Geological Department at the University of Saskatchewan in 1966, and pioneered research in unsaturated soil mechanics, a field in which he has gained national and international recognition. He built up the Unsaturated Soils Group at the UofS to world renown, and his work has been the subject of over 300 journal and conference papers. Del's excellent research has developed Canadian expertise in providing solutions to building foundation and slope stability problems in semi-arid soils; improved on the design of soil covers to landfill and waste rock piles; and enhanced the understanding of contaminant transport in the shallow subsurface.

Del Fredlund played a key role in the development of the geotechnical computing software industry in Canada. In 1977, foreseeing that computer technology would play a major role in providing practical solutions in consulting offices, he co-founded GEO-SLOPE Programming Ltd. and developed enhanced versions of software for slope stability analysis. After retiring from GEO-SLOPE, Del provided assistance to developing countries by training personnel. One of the notable projects he organized with Vietnam under CIDA sponsorship was a 5-year technology exchange program "Land and Water Management in the Red River Basin". Del is also heavily involved with Canadian Food for the Hungry International, which provides medical and community aid to developing countries.

Delwyn Fredlund is a true champion for the development of Canada and in 2004 received the Order of Canada for his significant contributions to our nation. His service to the profession garnered him the Commemorative Medal for the Centennial of Saskatchewan, the Meritorious Service Award for Community Service from the CCPE, the R.F. Legget Medal from the Canadian Geotechnical Society, and the Terzaghi Lecturer. Tonight we are proud to honour this preeminent teacher and mentor, world-renowned researcher, distinguished international lecturer, and humanitarian.

Ladies and gentlemen, and Mr. President, as the Recipient of the Julian C. Smith Medal, please welcome Delwyn George Fredlund.



John Douglas Mollard - nominated by the Canadian Geotechnical Society for the Sir John Kennedy Medal

John Douglas (Jack) Mollard is founder, owner and principal of J.D. Mollard and Associates Ltd., a consulting firm specializing in applied multidisciplinary aerial photographic and satellite image interpretation and analysis for earth engineering, resource development and environmental applications. Since forming the firm in 1956, Jack has conducted and directed over 5,000 consulting, research and teaching assignments in the 10 Canadian provinces, 3 territories, 7 continents and on the planet Mars. He continues to apply his expertise with great joy and enthusiasm in fulltime consulting practice.

Jack Mollard was among the first in Canada, if not the first, to introduce and bring into common practice the science and art of aerial photographic and satellite image interpretation. With great vision and entrepreneurial spirit over his 60 year career, he helped to create a new geotechnical engineering sub-discipline by combining the application of this technology with an in-depth knowledge of earth processes in the fields of geology, physical geography and environmental science. Through a life dedicated to research, consulting, teaching and the publication of books and technical papers, Jack nurtured this new discipline from its infancy to what is now an essential component of geotechnical engineering practice throughout Canada and the world.

Jack Mollard has been the recipient of many honours throughout his career including the R.F. Legget Medal, the Roy Thomas Award, the R.M. Hardy Memorial Award, the Rodger J.E. Brown Award and the Cross-Canada Distinguished Lecturer in 1993, all from the Canadian Geotechnical Society; the Keefer Medal from the EIC; Fellowships in the EIC and the Canadian Academy of Engineering; and Officer of the Order of Canada, to name but a few. In addition, John has given so willingly of his free time to the community, often

giving talks to service clubs, church groups and government agencies. He is a member of the Rotary Club and Past Director of the Regina Symphony Orchestra. What pleasure we take this evening in conferring the highest honour of the Institute on this distinguished Canadian.

Ladies and gentlemen, and Mr. President, as the Recipient of the Sir John Kennedy Medal, please welcome John Douglas Mollard.