



The Engineering Institute of Canada

Fellow Citation 2002

Dr. Ian D. Moore – A Member of the Canadian Geotechnical Society

Dr. Moore is a graduate in Civil Engineering from the University of Sydney, Australia with a PhD from the same institution. He is currently Professor and Canada Research Chair in Infrastructure Engineering at Queen's University.

Professor Moore has a very strong academic background, shared by universities in Australia and Canada. He is unique on the international scene for his ability to cross boundaries between structural engineering, geotechnical engineering, and materials engineering in solving multi-faceted problems related to buried structures. His theoretical models allow us to address interaction problems between soil and buried structures, and to address related environmental problems such as leakage and pollution from buried structures such as pipelines.

Of course everyone is aware, but mostly only vaguely, of buried structures. Our society is dependent on the performance of such structures, although their successful design ensures they go unnoticed. Such include solid and fluid disposal tanks, tunnels of all kinds (most cities have hundreds of linear miles) waste disposal facilities, pipelines, solid wastes from landfills up to nuclear wastes – a long list. Dr. Moore is the leading international researcher using non-linear behaviour of shell structures in contact with soil and particulate materials. Development of a series of new computational techniques is bringing new solutions to poorly understood problems that have affected engineering structures for decades, even centuries. His approach to combining structural mechanics with geomechanics, and non-linear interaction, is without peer at this time.

Professor Moore has contributed to the writing of two books, has published roughly 60 papers on his favorite subject in refereed journals, and a further 50 + in conference proceedings. As you might expect, his new work is also utilized to contribute to the development of better building codes and specifications. His work has received several notable international awards, and tonight therefore....

We are pleased to present one further, as Fellow of the Engineering Institute of Canada.

Mr. President, - Dr. Ian D. Moore