



The Engineering Institute of Canada

Fellow Citation - 2003

Dr. Donald A. Taylor – A Member of the Canadian Society for Civil Engineering

Dr. Taylor graduated from the University Toronto, gaining a BSc. and an MSc. in civil engineering in structures. Subsequently he was awarded a PhD from Cambridge University in the same field. He is currently Director of the Institute for Research in Construction with the National Research Council. His current emphasis is on the Urban Infrastructure Rehabilitation Program.

Dr. Taylor held an NRC Post-Doctoral fellowship at Hatch Consultants in the design of heavy industrial structures, and then joined NRC. He then began a concentration into research on snow loads and sliding snow loads that would turn him into an authority in this area of engineering. His work included public and private sector clients throughout Canada, the US and the international community. Woven through this central area of expertise was research on the strength of windows and their post-breakage behaviour with bonded plastic films, a critical public safety area for skyscrapers; plastic reinforcing bars for concrete, rather than steel; and the deterioration of concrete.

Dr. Taylor however is best known for his unchallenged knowledge of snow loading, a problem all Canadians can appreciate. Among his approximately 90 publications, which encompass structural analysis and engineering, the involvement of snow is a central theme. There is little wonder why Dr. Taylor is so well known in this arena. Much of his work has also been involved in the development and improvement of the National Building Code. This has included the interpretation of Code requirements, and the collection and assessment of regional data for application to the code. As a result of committee work for the CSCE, the American Concrete Institute and complementary European institutions have taken a good deal of Dr. Taylor's time.

For contributions to Canada in fundamental research, and for helping to develop and maintain the National Research Council as a leading public institution, Dr. Taylor has been awarded the honour of Fellow of the EIC.

Mr. President – Dr. Donald A. Taylor