

The 2012 John Adjeleian Lecture

The 2012 John Adjeleian Lecture, titled **Toward Sustainability in Life Cycle Management of Road Assets** will be delivered by **Dr. Ralph Haas** (PhD, PEng, FRSC, FCAE, FCSCE, FEIC, CM) Norman W. McLeod Engineering Professor and Distinguished Professor Emeritus, Department of Civil Engineering, University of Waterloo **on Monday, March 26, 2012 5:30 - 7:00 p.m** in the Senate Room, 6th Floor, Robertson Hall (RO). A reception will follow the lecture.

Toward Sustainability in Life Cycle Management of Road Assets

Dr. Ralph Haas

Synopsis of the Lecture

Canada's road network, about one million km. in extent, requires a sound base of technology plus a commitment to safety, sustainability and effective management policies. This lecture provides background on Canada's road network in terms of challenges, opportunities and the key issues involved in responding to climatic, economic and geographical diversity. It addresses long term sustainability with regards to life cycle management, life cycle costs analysis, key performance indicators, policy objectives, assessing and preserving asset value, recyclability, and resource and energy conservation practices. The lecture concludes with recommendations towards advancing life cycle management of road networks including progress on achieving sustainability with regards to technology, safety, economy and institutional improvements.