



### *John Adjeleian Lecture*

The John Adjeleian lecture was established in 2003 in honour of the late Professor Emeritus, John Adjeleian. It serves to acknowledge his outstanding contributions to Carleton University and to the profession of civil engineering. The annual lecture celebrates the standard of excellence exemplified by Professor Adjeleian and highlights outstanding achievements in professional practice, education and research that have advanced the field of civil engineering.

## **2016 John Adjeleian Lecture**

Tuesday, April 12 5:30 pm

**The Department of  
Civil and Environmental Engineering**



**Carleton**  
UNIVERSITY

**Canada's Capital University**

## ***Synopsis of the Lecture***

Damaged and deteriorating sewers, water pipes, and culverts lie beneath the surface of our cities and highways, causing extensive water damage from burst pipes and roadway collapses following soil erosion from leaking sewers and culverts. The costs associated with traditional methods of pipe replacement create additional horrors to be endured.

Professor Ian Moore will give an overview of recent research to establish how much pipe deterioration is too much, and develop rational design methods to guide repairs that restore pipe stability and extend the service life of these important infrastructure assets. The presentation will be illustrated with specific examples of measured and calculated pipe behaviour, as well as design procedures now being used to slay the deteriorated pipe infrastructure monster.

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**Prof. Ian Moore**, PhD, PEng, FCAE, FEIC, FCSCE, has trained in Australia and has been Canada Research Chair in Infrastructure Engineering at Queen's University since 2001. An expert on the behaviour and design of buried pipes, Prof. Moore has contributed to North American and other codes, design and construction practices for culverts, sewers, manholes, liners, storm-water detention chambers and pressure pipe systems. His work has been recognized by various honours, including the John B. Stirling Medal of the Engineering Institute of Canada, the John R. Booker award of the International Association for Computer Methods and Analysis in Geomechanics, and the Research and Development Medal of the PEO. Since 2002 he has been Executive Director of the GeoEngineering Centre at Queen's - RMC, one of the leading groups in this area internationally.

The Department of Civil and Environmental Engineering  
cordially invites you to the:

## ***2016 John Adjeleian Lecture***

### **What lies beneath:**

*Working towards a happy ending  
to the deteriorated pipe horror story*

***By: Ian Moore***

*Professor and Canada Research Chair  
in Infrastructure Engineering,  
Queen's University, Kingston*

**Tuesday, April 12, 2016, 5:30 pm**

Room 2200, River Building, Carleton University

### **Reception to follow**

Please register by April 4, 2016  
at [engineering.events@carleton.ca](mailto:engineering.events@carleton.ca)

or 613.520.5784