



## School of Graduate Studies and Research

Invites faculty, staff, and students to attend

### **Faculty Research Colloquium**



### **Prof. Tariq Shehab**

Full Professor of Civil and Infrastructure Engineering Department  
School of Engineering

### **“Automated System for Inspection and Repair of Sewer Pipes”**

**3:00-4:00 PM, Tuesday, October 11, 2016**  
**Building G, Ground Floor, G-103 Conference Room**

#### *Abstract*

Aging of underground sewer pipes has been reported by many researchers and municipality officials across the world. This aging process has not only led to unsatisfactory performance of this class of pipes, but has also negatively impacted other infrastructure assets, such as highways. This presentation proposes an integrated system that detects and classifies defects in sewer pipes automatically. Furthermore, it suggests the best Trenchless technology to repair reported defects. The system saves time, cost and helps municipalities to keep a closer eye on their sewer pipes at very affordable cost.

#### *About the Speaker*

Dr. Shehab is a Professor of Construction Engineering and Management. He received his B.Sc. in civil engineering and M.Sc. in construction engineering and management from King Fahd University of Petroleum and Minerals, Saudi Arabia. He received his Ph.D. in construction engineering and management from Concordia University, Canada. Prior to his appointment at the American University at Ras Al Khaimah, he served as a Full Professor at California State University, Long Beach. He also worked in the construction industry as a structural engineer and a project manager. Prof. Shehab's research interests include infrastructure management systems, Trenchless technology, automation in construction, development of intelligent systems, decision support systems and cost estimating. He is an author and co-author of many journal and refereed international conference papers. He was also granted a patent for inspection and rehabilitation of infrastructure facilities. Prof. Shehab has taught graduate and undergraduate courses that focus on infrastructure management systems, commercial and heavy civil construction projects. He was awarded the Associated School of Construction (ASC) National Teaching Award. Prof. Shehab is an active member of the American Society of Civil Engineers (ASCE), Construction Industry Institute (CII), Construction Specification Institute (CSI) and International Association of Engineers (IAENG). He is also a peer reviewer for many technical journals.