

WISE

WATERLOO INSTITUTE
FOR SUSTAINABLE ENERGY



LECTURE SERIES

FREE ADMISSION | OPEN TO THE PUBLIC

BUILDINGS | CARBON CAPTURE AND STORAGE | FUEL CELLS | NUCLEAR | POLICY | PLANNING
RENEWABLES | SMART GRID | STORAGE | SUSTAINABLE MOBILITY | SUSTAINABILITY ANALYSES

**PRESENTED BY THE WATERLOO INSTITUTE
FOR SUSTAINABLE ENERGY**

Thursday, July 26, 2012

3-4 pm

Davis Centre (DC) 1304

DO WE PAY TOO MUCH FOR TAP AND BOTTLED DRINKING WATER?

Dr. Mark Knight

Executive Director, Centre for Advancement
Technology, Waterloo

Professor, Department of Civil and Environmental
Engineering, University of Waterloo

This lecture will discuss the challenges facing water utilities across North America and new innovative technologies that will improve water quality along with the cities' triple bottom line - economic, social and environmental costs. This will be followed by a presentation of recent research on a new water asset management tool that shows how investing in buried infrastructure renewal will result in reduced energy and network operational costs along with lower user fees.

Biography



Dr. Mark Knight joined the Department of Civil and Environmental Engineering in 1997 and has been the Executive Director of the Centre for Advancement of Trenchless Technology, also located at the University of Waterloo, since 2002.

Mark's research has focussed on the new innovative trenchless construction, assessment and renewal technologies used for, out-of-sight and often forgotten deteriorated, leaking and crumbling buried water and wastewater municipal pipelines that deliver clean drinking water business and homes and transport contaminated water to wastewater treatment facilities.