



*The University of Western Ontario*

**Faculty of Engineering**  
*Department of Mechanical and Materials Engineering*  
**Guest Speaker - Seminar Notice**

**Amir Khajepour, Ph.D., P.Eng.**

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“Mechatronic Vehicle Systems”  
Executive Director, WATCAR – Waterloo Center for Automotive Research  
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**“New Emissions Standards for the Automotive Industry: Threat or Opportunity?”**

**December 7, 2:30 p.m., SEB 2100**

Abstract

In this presentation energy resources, pollution, and new emission standards for the automotive industry are reviewed. The new emission standards and their threats or opportunities to the automotive industry are discussed. New enabling technologies to combat greenhouse gas emissions to meet the new emission standards are assessed and compared. The presentation will end with a discussion on where the automotive industry would go.

Bio:

Dr. Khajepour is a Professor in the Department of Mechanical and Mechatronic Engineering and Director of the Waterloo Centre for Automotive Research (WatCAR) at the University of Waterloo. He is the holder of a Tier 1 Canada Research Chair in Mechatronic Vehicle Systems. He is an expert in system modeling and control of dynamic systems and has developed an extensive research program that applies his expertise in several key multidisciplinary areas. His research has resulted in 10 patents (5 awarded, 3 pending and 2 provisional), several technology transfers and 2 start-up companies. He has authored or co-authored more than 200 journal and conference publications, as well as 3 books and 6 book chapters.