



The Canadian Society for Civil Engineering

The Canadian Geotechnical Society



London District Section

2009 / 2010 Program

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GREAT PRICES!

Pricing to attend an individual meeting:

- o **Student** **\$ 15**
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*Contact Dr. Ernest Yanful @ (519) 661-4069,
(Email: eyanful@eng.uwo.ca) for more details.*

**Notes about Meetings Held at the
Fox and Fiddle Restaurant**

- Location: Fox and Fiddle, located at King St. and Wellington St. (Citi Plaza). Parking validated in Citi Plaza lot.
- Cash bar is available.
- Networking opportunity commences at 5:45 p.m.
- Dining at 6:30 p.m.
- Presentation at 7:15 p.m., followed by Q & A.

See reverse side for event details.

2009 / 2010 PROGRAM

WEDNESDAY OCTOBER 21ST, 2009

INTERNATIONAL DEVELOPMENT INTERNSHIP

SPEAKERS: Adam Crookes, Jordan Atherton, Justin Philippi,
University of Western Ontario, Department of Civil Engineering
LOCATION: FOX AND FIDDLE RESTAURANT

WEDNESDAY NOVEMBER 25TH, 2009

**LEED IN PRACTICE: A REVIEW OF GREEN BUILDING PRINCIPLES
AND APPLICATIONS**

SPEAKER: RICHARD HAMMOND, CORNERSTONE ARCHITECTURE
INCORPORATED
LOCATION: FOX AND FIDDLE RESTAURANT

WEDNESDAY JANUARY 20TH, 2010

**NANOTECHNOLOGY IN THE ENVIRONMENT: CONCERNS AND
POSSIBILITIES**

SPEAKER: DENIS O'CARROLL, UNIVERSITY OF WESTERN ONTARIO
LOCATION: FOX AND FIDDLE RESTAURANT

WEDNESDAY FEBRUARY 17TH, 2010

**BATTLE DAMAGE REPAIR OF CANADIAN ARMORED PERSONNEL
CARRIERS IN AFGHANISTAN AND IRAQ**

SPEAKER: DAVID SPENCER, GENERAL DYNAMICS LAND SYSTEMS
LOCATION: FOX AND FIDDLE RESTAURANT

WEDNESDAY MARCH 24TH, 2010

PERMEABLE PAVEMENT

SPEAKERS: STEVE AUGER, P.ENG., STANTEC CONSULTING LTD.
LOCATION: FOX AND FIDDLE RESTAURANT

WEDNESDAY APRIL 21ST, 2010

WIND POWER GENERATION

SPEAKER: GLENN HUBBERS, P.ENG., CAPITAL POWER CORPORATION
LOCATION: FOX AND FIDDLE RESTAURANT

Wednesday October 21st, 2009

Presenters: Adam Crookes, Jordan Atherton, Justin Philippi, University of Western Ontario

International Development Internship

During the summer of 2009, as part of their degree in Civil Engineering with International Development, five students traveled to The Gambia and Malawi. While there, the students faced many challenges, both in the projects they undertook and the adaptation to living in a new culture. All five of the students will discuss the highlights of their trip and answer any questions.

Wednesday November 25th, 2009 Presenter: Richard Hammond, Cornerstone Architecture Incorporated

LEED in Practice: A Review of Green Building Principles and Applications

The presentation will review the Canada Green Building Council's LEED NC standard for new construction; focusing on its application at Western's first LEED Certified project: The Lassonde Pavilion addition to the Spencer Engineering Building.

Wednesday January 20th, 2010 Presenter: Denis O'Carroll, University of Western Ontario

Nanotechnology in the Environment: Concerns and Possibilities

This presentation will discuss the use of nanoparticles for remediation and also concern related to some types of nanoparticles due to their potential toxicity

Wednesday February 17th, 2010 Presenter: David Spencer, General Dynamics Land Systems

Battle Damage Repair of Canadian Armored Personnel Carriers in Afghanistan and Iraq

General Dynamics Land Systems - Canada designs and builds Light Armored Vehicles (LAV) that are currently active in Afghanistan and Iraq. Mr. David Spencer, Manager of Project Engineering at GDLS-C will explain the process of assessing battle damage and how they are repaired in country and in Canada so the vehicles can return to protecting our warfighters as soon as possible.

General Dynamics Land Systems is a world preferred supplier of a full spectrum of land and amphibious weapon systems. Engineering research, development, and technological innovation keep GDLS-Canada at the forefront of worldwide armored force modernization programs. The Corporation is well positioned for the future with a clear market identity and a strong array of capabilities. These capabilities include precision machining, experience with steel, aluminum and special armor, product fabrication, assembly, technical training, total package fielding, manufacturing technical assistance, contract logistics support services, systems integration, combat systems development, electronic production and assembly, software development and prototype development.

Wednesday March 24th, 2010 Presenter: Steve Auger, P.Eng., Stantec Consulting Ltd.

Permeable Pavement

There are several alternatives for stormwater management (SWM) quantity and quality control for parking surfaces in commercial parking settings. Permeable pavement is one such alternative. A comparative review of both the permeable pavement alternative and traditional asphalt with storm sewer servicing and quantity control will be discussed, with several recent applications highlighted. The presentation will also reflect on typical site constraints that need to be addressed along with the range of costs associated with varying SWM criteria requirements.

Wednesday April 21st 2010 Presenter: Glenn Hubbers, P.Eng., Capital Power Corporation.

Wind Power Generation

Wind Power Generation in Ontario is being positioned for rapid expansion in the next few years, as the Ontario government is counting on renewable energy to fill a significant portion of the gap between growing electricity demand and available power supplies as they move away from coal fired generation and older facilities come to their end of life. Glenn Hubbers, P.Eng., Business Development Manager at Capital Power, will discuss Wind Power in Ontario, the Green Energy & Economy Act, the Feed-In-Tariff program, modern wind generation technologies, considerations for locating, designing and constructing wind farms, and some of the truths and myths surrounding the industry.