



Speaker

**HELEN
ZHANG**

Associate Professor
Department of Civil
Engineering at Memorial

Dr. Helen Zhang, civil engineering professor with Memorial's Faculty of Engineering and Applied Science, will talk about how engineering can help offshore oil spill response in harsh environments through enhanced dispersion and biodegradation.

Offshore oil spills in harsh environments are becoming increasingly important as exploration shifts to more remote areas. Oil spill management through dispersion and biodegradation has been proven to be effective under challenging environmental conditions.

In this seminar, Dr. Zhang will talk about environmentally friendly dispersants, how to comprehensively evaluate the performance of dispersion and is the biodegradability of dispersed oil has increased or decreased.

Helen Zhang is an associate professor in the Department of Civil Engineering at Memorial. Her research expertise and interests lie in the areas of offshore oil spill response, soil and groundwater remediation, marine oily wastewater treatment, offshore reservoir souring control, solid waste composting, biological interactions affecting pollutant transport and northern environmental studies.

Speaking of **ENGINEERING**

L E C T U R E S E R I E S

HAVE YOU EVER WONDERED

*about a potential
offshore oil spill accident?*

Wednesday, Dec. 16, 2015 at 7:30 p.m.
Memorial University, St. John's campus
S.J. Carew Building; Room EN2006

RECEPTION TO FOLLOW. ADMISSION IS FREE. ALL ARE WELCOME.
Free parking in lot 22

Speaking of Engineering is hosted by the Faculty of Engineering and Applied Science at Memorial University and the Professional Engineers and Geoscientists of Newfoundland and Labrador.