



Ineson Lecture 2014:

Groundwater and Hydrocarbon Change

Monday 6 October 2014, Geological Society, Burlington House, London

A joint meeting of the International Association of Hydrogeologists (IAH) and the Hydrogeological Group of the Geological Society, including the 2014 Ineson Lecture, with a focus on evolving groundwater-related issues from hydrocarbon exploitation and use, including conventional and innovative hydrocarbon fuels, shale gas and oil sands.

Convened jointly by IAH British Chapter and the GeolSoc Hydrogeological Group

Professor Jim F. Barker from the Department of Earth & Environmental Sciences, University of Waterloo, Canada, will present the **Ineson Lecture 2014: *From BTEX, coal tar creosotes and fuel additives at Borden to Canada's oil sands: Evolving hydrocarbon threats to groundwater***

About the Speaker:

Professor Barker has extensive research experience in groundwater contamination by organic chemicals, especially petroleum hydrocarbons and industrial chemicals. He is currently developing and critically assessing novel groundwater and soil remedial technologies, often under controlled conditions at the Borden Research Aquifer Facilities and is also involved in research on water quality issues for the development of Canada's oil sands.

Supporting speakers:

Supporting speakers from industry, regulation and research field in the UK will present on further aspects of hydrocarbons and groundwater.

Programme:

09:45 – Registration and Coffee

10:30 – Welcome

10:40 – **John Bloomfield** (British Geological Survey). *Aquifers and shales: a study of their spatial relationships in England and Wales*

11:15 – **Rachel Bell** (British Geological Survey). *Environmental Baselines: methane in groundwater in the UK*

11:50 – **Phil Merrin** (United Utilities plc). Shale gas development in the NW of England and issues for public water supply

12:25 – 13:25 **Lunch**



13:25 – **Steven Thornton** (University of Sheffield). *Natural attenuation of petroleum fuel hydrocarbons and oxygenate compounds in the Chalk aquifer - a multidisciplinary approach for performance assessment*

14:00 – **Prof Jonathan Smith** (Shell Global Solutions). *Is sustainable remediation now a self-sustaining concept? An international progress report on evolving contaminated site management strategies*

14:35 – **Prof Steven Rowland** (University of Plymouth). *How do we identify supercomplex mixtures of pollutants in process and groundwaters? Case studies from the oil sands and oil platforms*

15:10 – **IAH John Day Bursary presentation**

15:20 – 15:50 Tea/Coffee

15:50 – **Prof Jim Barker** (Department of Earth & Environmental Sciences, University of Waterloo, Ontario, Canada). *Ineson Lecture 2014: From BTEX, coal tar creosotes and fuel additives at Borden to Canada's oil sands: Evolving hydrocarbon threats to groundwater*

17:00 – Wine reception, Geological Society Main Library

Call for Posters:

Poster presentations on the theme are welcome: if you are interested in presenting a poster please contact Brighid Ó Dochartaigh (beod@bgs.ac.uk).

Registration:

The meeting fee (including evening wine reception but not lunch) is £20 for IAH and/or Geol Soc members, £50 for nonmembers, and £10 for students. Payment is on the door by cash or cheque – sorry, we have no facilities for card payments. Please pre-register before 26 September 2014 by emailing Brighid Ó Dochartaigh on beod@bgs.ac.uk, including your membership affiliation (IAH/GeolSoc/student).