TC 215 Symposium
2nd International Symposium on Coupled Phenomena in Environmental Geotechnics (CPEG2)
Wednesday 6 and Thursday 7 September 2017
School of Civil Engineering, University of Leeds, UK
Symposium to be followed by a “Grand Challenges” Workshop on Friday 8 September

Special Plenary Lecture

R.Kerry Rowe,
Queen's University, Canada
Protecting the environment with geosynthetics

Keynote Speakers

Malek Bouazza, Monash University, Australia
Taking the heat out of geosynthetics composite liners

Mario Manassero, Politecnico di Torino, Italy
The assessment of performances of bentonite barriers for pollutant control based on chemico-mechanical intrinsic and state parameters

John McCartney,
University of California, San Diego, USA
Role of coupled processes in thermal energy storage in the vadose zone

Catherine Mulligan,
Concordia University, Canada
Sustainable approaches to soil and sediment clean-up

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http://tinyurl.com/c peg2017

Deadlines:
PAPER SUBMISSION: 30 April 2017
EARLY BIRD REGISTRATION: 30 June 2017

Symposium organised under the auspices of the International Society for Soil Mechanics and Geotechnical Engineering and in conjunction with the British Geotechnical Association
## Symposium Themes

### Coupled Processes
- Improved understanding of the coupling of any natural and/or anthropogenic thermo-hydro-mechanical-chemical-bio-gas processes within soils and rocks
- Biogeochemical processes for improving or stabilizing soils
- Multi-phase flow

### Surface Containment
- Waste characterization
- Landfill liners and environmental barriers
- Gas generation and extraction
- Waste degradation and settlement
- Capping systems for landfills and polluted sites
- Mine and mineral extraction wastes

### Subsurface Containment
- Waste characterization
- Radioactive waste disposal
- Carbon capture and storage

### Clean-up
- Novel procedures for the characterization of contaminated sites
- Pollutant retardation and degradation processes
- Active barriers for polluted sites
- Bioremediation / bio-management of metals and radionuclides
- Natural attenuation and enhanced bioremediation of organic pollutants
- Contaminant extraction from polluted soil

### Energy (to be coordinated by TC308)
- Thermal properties of soils and rocks
- Energy geostructures
- Shale gas exploitation

### Vegetation
- Role of vegetation in sustainable management of slopes and geostructures
- Vegetation controls on urban flooding
- Geotechnics of the soil critical zone: creation or restoration of full soil functionality

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