



# DISTINCTIVE

## Waste Management 2016

092 EPSRC DISTINCTIVE Research Programme - Wednesday 9th March  
13:30 - 17:00 - 106C

DISTINCTIVE is a multi-disciplinary collaboration of 10 universities and three key industry partners from across the UK's civil nuclear sector. Our world-class research programme focuses on the area of nuclear decommissioning and waste management.

#### Session Structure:

- Collaborative Research Programme in Decommissioning, Immobilisation and Storage Solutions for Nuclear Waste Inventories (DISTINCTIVE) (16466)
- Building Effective Collaborations to Bring Innovation into Waste Management and Decommissioning (16477)
- Novel Approaches for the Study of Corrosion and Ageing of Spent Nuclear Fuel (16467)
- Behaviour of Alpha Emitters in Cement (16139)
- Water Interactions with Actinide Oxides from First Principles: A Computational Study (16470)
- The Consolidation of Glass-Ceramic Wasteforms by Hot Isostatic Pressing: Sample Optimisation (16581)
- Is Glass Degradation only a Surface Effect: What Other Forms of Glass Degradation can Influence the Safety of Vitrified Nuclear Waste Disposal? (16474)
- A Novel Technology for Complex Rheological Measurements (16471)

More information about the programme can be found on our website: [www.distinctiveconsortium.org](http://www.distinctiveconsortium.org)

#### Other DISTINCTIVE-associated presentations:

Modelling the Interaction of Corroded Magnox Surfaces with Nuclear Fission Products (16464)  
Poster – Monday – Session 031 – Ms. Eszter Makkos – University College London

In-situ Analysis of Legacy Pond Sludge using Raman Spectroscopy (16296)  
Poster - Monday - Session 031 - Ms. Kate Wyness - University of Bristol

Gas Retention and Release from Nuclear Legacy Waste (16449)  
Poster – Monday – Session 030B – Mr. Michael Johnson – University of Leeds

Enhanced Sheer Micro and Ultra-Filtration via Filter Oscillation for Increased Flux Operations (16526)  
Poster – Monday – Session 030F – Mr. Keith Schou – Loughborough University

Choosing Your Nuclear Fuel Cycle: A Life Cycle Assessment Perspective (16425)  
Oral – Tuesday – Session 070 - Mr. Andrea Paulillo – University College London

Embedded Cluster Calculations of Water Adsorption on  $UO_2$  and  $PuO_2$  Surfaces (16503)  
Oral - Tuesday - Session 040 - Mr. Joseph Wellington - University College London

Utilising a Novel Acoustic Backscatter Array to Characterise Waste Consolidation and Settling in a Horizontal Flow Clarifier (16051)  
Oral – Wednesday – Session 095 – Dr. Timothy Hunter – University of Leeds

Immobilisation Process for Contaminated Zeolitic Ion Exchangers from Fukushima Daiichi (16494)  
Oral - Thursday - Session 134 - Mr. Dimitri Plester - Imperial College London



You are invited to a social in Room 106C immediately after the session. Please take the opportunity to meet the team, to discuss the research presented in more detail, and to explore opportunities for collaboration.

The social has kindly been sponsored by Longenecker & Associates:

