

DISTINCTIVE 1st Annual Meeting


Wednesday 15th – Thursday 16th April 2015

Agenda

Wednesday 15th April

Cadman/Arundel Room, Millennium Gallery, Sheffield, S1 2PP

Time	Title	Presenter
10:00 – 11:00	Delegate Registration, Poster Board Set Up, Coffee/Tea/Pastries	
11:00 – 11:20	Introduction and Housekeeping	Prof. Michael Fairweather (<i>Session Chair</i>) University of Leeds
11:20 – 12:00	Chemicals: Creating a Compelling Nuclear Value Proposition Through Co-production	Prof. Eric McFarland University of Queensland
Theme 1 - AGR, Magnox and Exotic Spent Fuels		
12:00 – 12:20	Decisions, Decisions... How Research Supports the NDA's Spent Fuel Strategies	Danny Fox (<i>Session Chair</i>) NDA
12:20 – 12:40	Layers of Complexity; A Thin Film Approach to Spent Nuclear Fuel	James Darnbrough (PDRA) University of Bristol
12:40 – 13:40	Lunch, Coffee/Tea/Juice, Posters	
13:40 – 12:00	Corrosion of Nuclear Fuel: Radiolysis Driven Dissolution at the UO ₂ /Water Interface	Sophie Rennie (PhD) University of Bristol
14:00 – 14:20	Uranium Measurements by Time Resolved Laser Induced Fluorescence Spectroscopy	Oliver Preedy (PDRA) Loughborough University
Theme 2 – PuO₂ and Fuel Residues		
14:20 – 14:40	PuO ₂ Storage - Chemistry in a Can. What Does the Industry Need?	Howard Sims (<i>Session Chair</i>) NNL
14:40 – 15:00	CaUTi ₂ O ₇ Ceramics for Actinide Disposition	Shi-Kuan Sun (PDRA) University of Sheffield
15:00 – 15:20	The Development of Glass-Ceramic Wasteforms by Hot Isostatic Pressing for Actinide Immobilisation	Steph Thornber (PhD) University of Sheffield
15:20 – 15:50	Afternoon Break, Coffee/Tea/Biscuits, Posters	
15:50 – 16:10	Crystal Microbalance Investigation of the Interaction of Water with Plutonium Oxide Analogues	Dominic Laventine (PDRA) Lancaster University

16:10 – 16:30	Towards Water Adsorption on Actinide Oxide Surfaces	Bengt Tegner (PDRA) UCL
Cross-Cutting Themes		
16:30 – 16:50	Engagement and Impact with a Distinctive Edge	Prof. Neil Hyatt (<i>Session Chair</i>) University of Sheffield
16:50 – 17:10	An Overview of the U.S. Department of Energy’s Office of Environmental Management	Rodrigo Rimando U.S. Department of Energy
17:10 – 17:30	A Life Cycle Approach as a Decision Tool for Nuclear Waste Management	Andrea Paulillo (PhD) UCL
17:30 – 18:30	Break	
18:30 – 19:30	Drinks and Canapé Reception	
19:30 – 22:00	Evening Dinner	
22:00	End of Day	

Note:

The drinks and canapé reception and the evening dinner will be held at the Mercure St Paul’s Hotel and Spa, Sheffield:

- Drinks and Canapé Reception – Yard Lounge
- Evening Dinner – City Suite A & B

Thursday 16th April

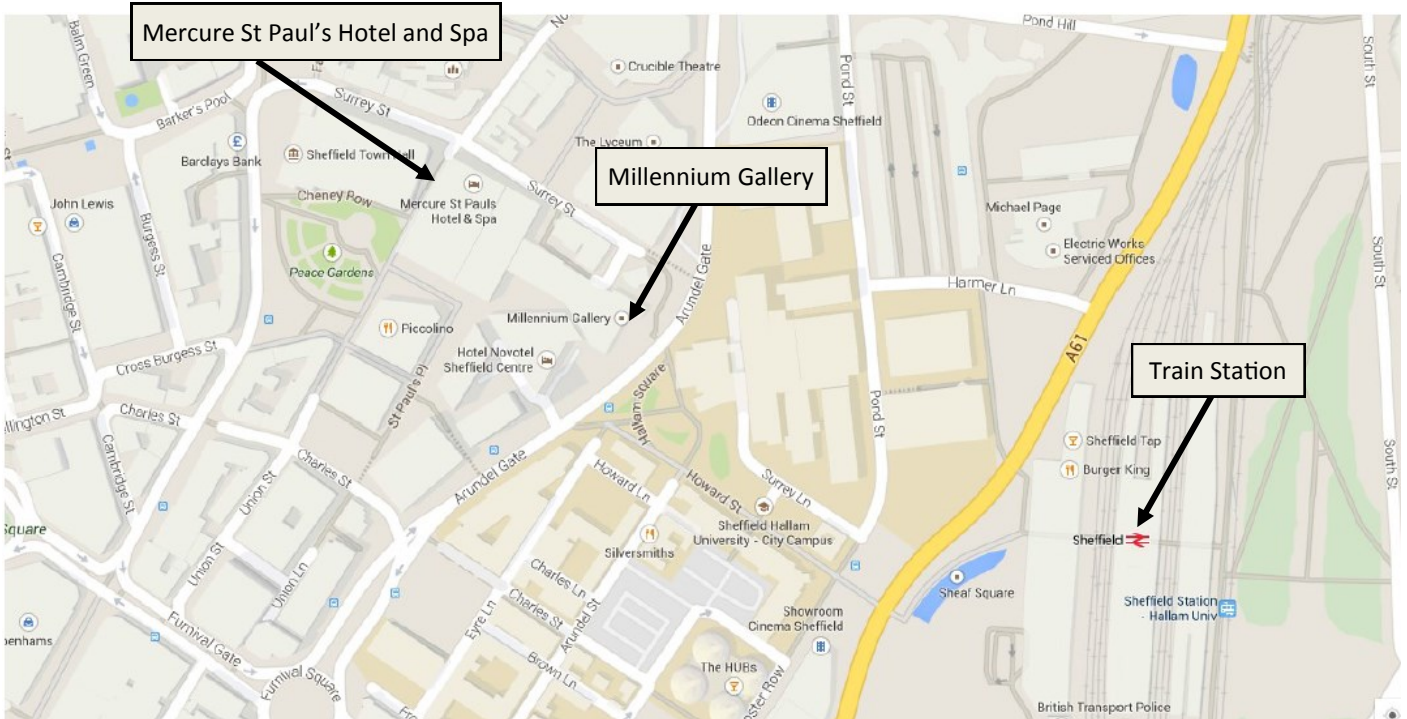
Cadman/Arundel Room, Millennium Gallery, Sheffield, S1 2PP

Time		
9:00 – 9:30	Delegate Registration, Poster Board Set Up, Coffee/Tea/Pastries	
9:30 – 9:40	Introduction and Housekeeping	Prof. Michael Fairweather (<i>Session Chair</i>) University of Leeds
9:40 – 10:20	Overview of Immobilization R&D Programs at the Vitreous State Laboratory	Prof. Ian I. Pegg Catholic University of America
Theme 3 – Legacy Ponds and Silo Wastes		
10:20 – 10:40	Legacy Ponds and Silos – Key Challenges for Waste Disposal	Cristiano Padovani (<i>Session Chair</i>) NDA RWM
10:40 – 11:00	In-line Rheometry and Flow Characterisation in Pipe Flow Using Acoustic Methods	Hugh Rice (PDRA) University of Leeds
11:00 – 11:30	Morning Break, Coffee/Tea/Biscuits, Posters	
11:30 – 11:50	Study of Glass Degradation in a Simulated Crack	Chinnam Krishna (PDRA) Imperial College London
11:50 – 12:10	Enhanced Shear Microfiltration	Keith Schou (PhD) Loughborough University
12:10 – 12:30	Novel Ion Exchange Materials	Evin Chen (PDRA) University of Birmingham
12:30 – 13:30	Lunch, Coffee/Tea/Juice, Posters	
Theme 4 – Structural Integrity		
13:30 – 13:50	Structural Integrity - A Nuclear Licensed Site Perspective	John Riding (<i>Session Chair</i>) Sellafield Ltd.
13:50 – 14:10	In situ Monitoring and Characterisation of the Radioactive Sludge in the Legacy Ponds and Silos at Sellafield	Olusola Ayoola (PhD) University of Manchester
14:10 – 14:30	Novel Nanoparticle Cement for Crack Sealing and Water Transport	Riccardo Maddalena (PhD) University of Strathclyde
14:30 – 15:00	Afternoon Break, Coffee/Tea/Biscuits, Posters	
15:00 – 15:20	Use of Colloidal Silica Ground Barriers in Decommissioning	Matteo Pedrotti (PDRA) University of Strathclyde
15:20 – 15:40	NDA PhD Student Awards	 Nuclear Decommissioning Authority

	Closing Remarks	Rick Short NDA Michael Fairweather University of Leeds
15:40	End of Day	

Joining Instructions

Link to Google Maps: <http://goo.gl/G04Z6Z>



Millennium Gallery

Millennium Gallery, Arundel Gate, Sheffield, S1 2PP

The Millennium Gallery is situated in the centre of Sheffield on Arundel Gate, opposite Sheffield Hallam University and next to the Novotel. The meeting will be held in the Arundel Room and the Cadman Room on the Upper Floor. Enter the gallery through the Arundel Gate entrance and follow the signs.

Mercure Sheffield St Paul's Hotel and Spa

Mercure Sheffield St Pauls' Hotel and Spa, 119 Norfolk Street, Sheffield, S1 2JE

The hotel is adjacent to the Sheffield Winter Garden and the Millennium Gallery. The drinks reception and evening dinner will be held at the hotel. Exit the Millennium Gallery through the Arundel Gate exit, and walk along Surrey St to get to the hotel.

Parking

There is plenty of car parking across the city. The closest to the venues is the NCP car park at the Crucible Theatre.

TAXI NUMBER – City Taxis - 0114 239 39 39