**Agenda**

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| **Wednesday 5th April** | | |
| **Time** | **Title** | **Presenter** |
| 10:00 Registration / Poster Board set up / Refreshments | | |
| 11:00 | Introduction and Housekeeping | Prof. Michael Fairweather  University of Leeds |
| **Session 1** *Chairs: Prof. Neil Hyatt, University of Sheffield & Prof. Simon Pimblott, The University of Manchester* | | |
| 11:10 | **Key findings of DISTINCTIVE to date** | Prof. Ian Pegg  Catholic University of America  Andrew Cooney  Sellafield Ltd |
| 11:50 | **Insights into the corrosion behaviour of uranium SNF using thin films** | Dr. James Darnbrough,  University of Bristol |
| 12:10 | **Water Layers on Actinide Oxide Surfaces** | Dr. Bengt Tegner,  University of Manchester |
| 12:30 | **Temperature dependence of Cs volatilisation from Fukushima adsorbents** | Dimitri Pletser  Imperial College |
| 12:50 | **A DISTINCTIVELY academic career** | Dr. Claire Corkhill  University of Sheffield |
| 13:10 Lunch & Poster Session | | |
| **Session 2** *Chairs: Prof. Colin Boxall, Lancaster University & Prof. David Read, University of Surrey* | | |
| 14:10 | **Innovation at Sellafield, the new Integrated Innovation Teams** | Dr Stephen Hepworth  Sellafield Ltd |
| 14:50 | **Microstructural Characterisation of AGR Cladding Materials** | Chiara Barcellini  The University of Manchester |
| 15:10 | **Direct Mass Analysis of Water Absorption onto Cerium, Thorium and Uranium oxides** | Dr. Dominic Laventine  University of Lancaster |
| 15:30 Refreshments & Poster Session | | |
| 16:00 | **The PhD after-life: Working for the supply chain** | Dr. Carlos De La Fontaine  TUV-SUD Nuclear Technologies |
| 16:20 | **Switching on Ion Exchange in Metal Germanates** | Ryan George  University of Birmingham |
| 16:40 | **Characterization of cement based materials through Atomic Force Microscopy** | Luca Rizzo  University of Strathclyde |
| 17:00 Break | | |
| 18:30 | Drinks & Canapés Reception | National Railway Museum |
| 19:30 | Dinner | National Railway Museum  L&A big003366.jpg |
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| **Thursday 6th April** | | |
| **Time** | **Title** | **Presenter** |
| 08:30 Registration / Poster Board set up / Refreshments | | |
| 09:00 | Introduction and Housekeeping | Prof. Michael Fairweather  University of Leeds |
| **Session *3*** *Chairs: Dr. Joe Hriljac, University of Birmingham & Prof. Michael Fairweather, University of Leeds* | | |
| 09:10 | **Hanford: The Creation and Remediation of the Legacy** | Dr Albert Kruger  DOE Office of River Protection |
| 09:50 | Raman probe development : An investigation into active sludge components | Kate Wyness  University of Bristol |
| 10:10 | **Robotic vision for 3D modelling, detection and recognition of nuclear waste objects and scenes** | Henry Zhao  University of Birmingham |
| 10:30 | **Nanoparticle Technology in Waste Disposal and Remediation Systems** | Eleonora Cali  Imperial College |
| 10:50 Refreshments & Poster Session | | |
| 11:20 | **Geological Disposal: Deep down, you know it makes sense** | Dr. Amy Shelton  NDA |
| 11:40 | **Glass-ceramics for Pu disposition - where are we now?** | Steph Thornber  University of Sheffield |
| 12:00 | **Quartz crystal microbalance as a tool to measure complex suspension rheology** | Andre Botha  University of Leeds |
| 12:20 | **The Behaviour of Spent Nuclear Fuel in Wet Storage** | Elizabeth Howett  University of Lancaster |
| 12:40 Lunch and Poster Session | | |
| **Session 4** *Chairs: Prof. Rebecca Lunn, University of Strathclyde & Professor Tom Scott, University of Bristol* | | |
| 13:40 | **Transitioning of Spent AGR Fuel from Wet to Dry Storage** | James Goode  University of Leeds |
| 14:00 | **Smart cements for chloride / moisture sensing in nuclear concrete assets** | Lorena Biondi  University of Strathclyde |
| 14:20 | **Heat Treatments of Cl-- and Water-contaminated PuO2 at NNL** | Sophie Sutherland-Harper  The University of Manchester |
| 14:40 | **Online synchrotron-based uranium corrosion experiments** | Haris Parasevoulakos  University of Bristol |
| 15:00 Refreshments & Poster Session | | |
| 15:30 | **The effects of colloidal silica based grouts on Sr and Cs speciation – present and future research** | Dr. Pieter Bots  University of Strathclyde |
| 15:50 | **Gas generation from water on the surface of plutonium dioxide** | Dr. Luke Jones  The University of Manchester |
| 16:10 | **Adventures in Actinide Science** | Dr Tamara Griffiths  NNL |
| 16:30 | **An update on Impact** | Prof Neil Hyatt  University of Sheffield |
| 16:50 | NDA PhD Student Awards | https://caithnesshorizons.files.wordpress.com/2010/12/nda-logo-1-hi-res.jpg  Deborah Ward, NDA |
| 17:00 | Closing remarks | Prof. Michael Fairweather  University of Leeds |

**Theme 1: AGR, Magnox and Exotic Spent Fuels**

**Theme 2: PuO2 and Fuel Residues**

**Theme 3: Legacy Ponds and Silo Wastes**

**Theme 4: Structural Integrity**

**Keynote**

**Employability**

**Cross-cutting themes**

Shaded name = eligible for the £250 prize for best oral presentation given by a DISTINCTIVE **PhD** student.

**All presentations will be made available to download from our consortium website:**

[**http://distinctiveconsortium.org/category/events/annual-meeting-events/**](http://distinctiveconsortium.org/category/events/annual-meeting-events/)