**Agenda**

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| **Tuesday 1st November**  |
| **Time** | **Title** | **Presenter** |
| 10:00 Registration / Poster Board set up / Refreshments |
| 10:30 | Introduction and Housekeeping | Prof Michael FairweatherUniversity of Leeds |
| **Session 1** *Chairs: Prof Tom Scott, University of Bristol, Marco Sacchi, University of Surrey, David Hambley, NNL* |
| **10:40** | **Working for the Nuclear Decommissioning Authority** | **Rick Short****NDA** |
| 11:10 | Combining electrokinetic remediation with colloidal silica grouting in radioactively contaminated soils | Gea PaganoUniversity of Strathclyde  |
| 11:30 | Understanding caesium's effect on the CAS system due to vitrification | Lucas-Jay WoodbridgeUniversity of Sheffield |
| 11:50 | Advanced in situ characterisation of suspensions with acoustic backscatter | Joe HartleyUniversity of Leeds |
| 12:10 | The surface point defect of ThO2 {111} effect on water adsorption | Xiaoyu Han University of Manchester |
| 12:30 Lunch & Poster Session |
| **Session 2**  *Chairs: Prof Rebecca Lunn, University of Strathclyde, Prof Andy Cundy, University of Southampton, Ed Butcher, NNL* |
| **13:30** | **The role of drag in sedimentation modelling of flocculated inorganic/organic composite nuclear waste suspensions** | **Alex Lockwood****Sellafield Ltd** |
| 14:00 | Electrokinetic Remediation and Decommissioning – an update on current work | Frances BurrellUniversity of Southampton |
| 14:20 | Leaching behaviour of concrete with Substitute Clinker Materials in deionised water | Andrea KozlowskiUniversity of Strathclyde |
| 14:40 | Vacuum Drying of Spent AGR Fuel | Thomas BainbridgeUniversity of Leeds |
| 15:00 | Helium diffusion and clustering in PuO2 | Elanor MurrayUniversity of Birmingham  |
| 15:20 Refreshments & Poster Session |
| 15:50 | Engineering dual-phase zeolite composites for remediation of aqueous nuclear decommissioning waste | James ReedUniversity of Birmingham |
| 16:10 | Using X-Rays to observe corrosion of uranium carbide in groundwater simulant | Dimitris SamarasUniversity of Bristol |
| 16:30 | Blind tube monitoring instrument: point-spread analysis of photon-depth spectra | Soraia ElisioLancaster University |
| 16:50 Break |
| 19:00 | Drinks & Canapés Reception | The Trades Hall |
| 20:00 | Dinner | The Trades Hall |

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| **Wednesday 2nd November** |
| **Time** | **Title** | **Presenter** |
| 08:30 Registration / Poster Board set up / Refreshments |
| 09:00  | Introduction and Housekeeping | Prof Michael FairweatherUniversity of Leeds |
| **Session *3***  *Chairs: Prof Fred Currell, University of Manchester, Dr Claire Corkhill, University of Sheffield, Robin Orr, NNL* |
| **09:10** | **From PhD to NT: The Role of a Nuclear Consultant** | **Darryl Messer****Tuv-Sud** |
| 09:40 | Comparing the efficacy of U and Ce as analogues for Pu in the durability of zirconolite ceramics and glass-ceramic composites | Claire CorkhillUniversity of Sheffield |
| 10:00 | Radiation effects on nuclear waste forms: How does the crystallinity of a glass composite affect radiation tolerance? | Tamas ZagyvaThe University of Manchester |
| 10:20 | Assessing the strength of biomineral strategies for concrete repairs | Thanos KarampourniotisUniversity of Strathclyde |
| 10:40 | Thermal Treatment of Intermediate Level Waste | Daniel ParkesUniversity of Sheffield |
| 11:00 Refreshments & Poster Session |
| 11:30 | Characterisation of uranium metal encapsulated in magnox sludge | Phil Hutchinson,University of Bristol |
| 11:50 | Effect of shear rate and surface potential on particle interaction and aggregation in nanofluids | Lee MortimerUniversity of Leeds |
| 12:10 | The application of electrokinetics for the remediation of difficult-to-measure radionuclides at nuclear sites | Shaun HemmingUniversity of Southampton |
| 12:30 | Synthesis and Characterisation of Fe-doped Zirconolite as Potential Host Matrices for Pu immobilisation | Merve Kuman,University of Sheffield |
| 12:50 Lunch and Poster Session |
| **Session 4** *Chairs: Prof Colin Boxall, Lancaster University, Prof Paul Bingham, Sheffield Hallam University, James Graham, NNL* |
| **14:00** | **Living the Sellafield Ltd mission: creating a clean and safe environment for future generations** | **Steve Hepworth & Alex Lockwood****Sellafield Ltd** |
| 14:30 | Electrochemical investigation of PuO2 thin  films | Dominic LaventineLancaster University |
| 14:50 | Emission Control and Monitoring from Thermal Treatment of ILW | Alex Stone,Sheffield Hallam University |
| 15:10 | Comparison of the patterns for DIC in an in-situ SCC experiment | Kuo YuanUniversity of Bristol |
| 15:30 Refreshments & Poster Session |
| 16:00 | **The NNL Post-Doctoral Programme – An Early Career Researchers Perspective** | **Ruth Davey****NNL** |
| 16:20 | **Nuclear Waste Services - Cleaning up our past, enabling the future** | **Rosie Hibberd****NWS** |
| 16:40 | NDA PhD students awards | Rick ShortNDA |
| 16:45 | Closing remarks | Prof Michael FairweatherUniversity of Leeds |

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