

Agenda

Tuesday 31 st March		
Time	Title	Presenter
10:00	Registration / Poster Board set up / Refreshments	
10:30	Introduction and Housekeeping	Prof Michael Fairweather University of Leeds
Session 1 <i>Chairs: Prof Tom Scott, University of Bristol, Prof David Read, University of Surrey, David Hambley, NNL</i>		
10:40	Keynote: Chernobyl now: Activities, Issues, Achievements	Dr Andriy Sizov JSO, Ukraine
11:10	New materials and methods for decontamination of effluent	Antony Nearchou University of Birmingham
11:30	Characterisation of the diffusion properties of colloidal silica gel	Gea Pagano University of Strathclyde
11:50	An investigation of corrosion and leaching of carbide fuels in a Geological Disposal Facility (GDF) setting	Dimitris Samaras University of Bristol
12:10	Water reaction pathway on ThO ₂ (111) surface	Xiaoyu Han University of Manchester
12:30	Lunch & Poster Session	
Session 2 <i>Chairs: Prof Rebecca Lunn, University of Strathclyde, Prof Luc Vandeperre, Imperial College, Ed Butcher, NNL</i>		
13:30	Keynote: New proposed policies for decommissioning and radioactive waste management and how R&D can help to deliver them	Frankie Brookes-Tombs & Penny Dunbabin BEIS
14:00	In-situ synchrotron X-ray diffraction studies of Cs-exchange in the zeolite clinoptilolite	Hannah Parish University of Birmingham
14:20	Electrokinetic remediation	Jamie Purkis University of Southampton
14:50	Drying of AGR	Thomas Bainbridge University of Leeds
15:10	Atomistic simulation of the ageing of PuO ₂	Elanor Murray University of Birmingham
15:30	Refreshments & Poster Session	
16:00	Modelling nanoscale radiation physics/chemistry processes in sludges	Ella Schaefer University of Manchester
16:20	Predicting gamma dose rates from buried structures: Experimental set-up and preliminary results	Luke Lee-Brewin University of Surrey
16:40	Progress on low temperature studies of AGR fuel corrosion	Nigel Huang Lancaster University
17:00	Break	
19:00	Drinks & Canapés Reception	The Royal Hall
20:00	Dinner	The Royal Hall

Wednesday 1st 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 <i>Chairs: Dr Joe Hriljac, University of Birmingham, Dr Claire Corkhill, University of Sheffield, Robin Orr, NNL</i>		
09:10	Keynote: Radiation education after the Fukushima disaster	Professor Katsumi Shozugawa University of Tokyo, Japan
09:40	Preliminary durability studies of zirconolite glass/ceramics for plutonium immobilisation	Clemence Gausse University of Sheffield
10:00	The durability of M-S-H based cements made from brucite	Mercedes Baxter-Chinery Imperial College
10:20	Assessing the strength of biomineral strategies for concrete repairs	Thanos Karampouriotis University of Strathclyde
10:40	In situ HT-ESEM and XRD studies of UO ₂ oxidation and phase transition into U ₃ O ₈	Jasek Wasik University of Bristol
11:00	Refreshments & Poster Session	
11:30	Gas generation from the radiolysis of water on uranium oxides and ThO ₂	Chris Anderson University of Manchester
11:50	High-fidelity simulation of behavioural modification techniques for nuclear waste transport flows	Lee Mortimer University of Leeds
12:10	An in-situ, resilient blind tube instrument for soil contamination assay	Soraio Elisio Lancaster University
12:30	Predicting the alteration of spent nuclear fuel	Joshua Bright University of Surrey
12:50	Lunch and Poster Session	
Session 4 <i>Chairs: Prof Nik Kaltsoyannis, University of Manchester, Prof Colin Boxall, Lancaster University, James Graham, NNL</i>		
14:00	Keynote: The Geological Disposal Facility: Questions and quandaries	Sir Nigel Thrift CoRWM
14:30	DFT study of the electronic properties of PuO ₂ with inclusion of spin-orbit interaction and noncollinear magnetic contributions	William Nielson Lancaster University
14:50	Looking at glass chemistry for the immobilisation of Caesium137 - The glass of IONSIV IE-911	Lucas-Jay Woodbridge University of Sheffield
15:10	Relationship between chromium depletion and grain boundary plane orientation in thermally sensitised 304 stainless steel	Kuo Yuan University of Bristol
15:30	Refreshments & Poster Session	
16:00	Drawing on diverse research methodologies - avenues to public engagement and understanding perception	Liz Thomas University of Manchester
16:20	Nuclear CDTs: Green and Nuclear Energy Futures	Prof Bruce Hanson, University of Leeds Prof Luc Vandeperre, Imperial College
16:40	CINDe – The Centre for Innovative Nuclear Decommissioning - An industry based PhD programme	Ed Butcher NNL
17:00	NDA PhD students awards	Rick Short NDA
17:05	Closing remarks	Prof Michael Fairweather

		University of Leeds
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