

Postdocs in Nuclear Energy meeting (PiNE) 2018

Hume Rothery Lecture theatre
Department of Materials, Parks Road, University of Oxford, OX1 3PH

6th – 7th September 2018

Poster session and Conference dinner at
St Edmunds Hall, Queens Lane, Oxford, OX1 4AR

Agenda

Thursday 6th September

- 9.00 Check in at St Edmunds Hall for residential delegates
10:30 Arrival at Materials Department reception
- Introduction session**
- 11.00 *'The Global Outlook for Nuclear Power'* - Sir Chris Llewellyn-Smith (FRS)
11.30 *'Does Nuclear Energy need Materials Research?'* - Jonathan Hyde, NNL
- 12:00 Lunch
- Postdoc session**
- 13:00 *'Effect of nuclear fuel additives on the SNF reprocessing dissolution step'* - Theo Cordara, University of Sheffield
13.20 *'On the use of ion beams to emulate the neutron irradiation behaviour of tungsten'* - Rob Harrison, University of Huddersfield
13.40 *'Fission and fusion measurements at the National Physical Laboratory'* - Paula Salvador-Castiñeira, NPL
14.00 *'Synthesis, characterisation and preliminary corrosion behaviour assessment of simulants Fukushima nuclear accident fuel debris'* - Clémence Gausse, University of Sheffield
14.20 *'Peridynamic modelling of SiC/SiC Cladding for accident tolerant fuel'* - Thomas Haynes, Imperial College London
14.40 *'Full characterisation of nuclear-analogue multiphase flow using novel acoustic and hybrid methods'* - Hugh Rice, University of Leeds
- 15:00 Coffee
- Industry session**
- 15.30 *'Geological disposal - from concept to implementation'* - Michelle Cowley, RWM

- 16.00 *'Realising our Fusion Powder future at UKAEA – what we do here'* -
Mike Gorley, UKAEA
- 16.30 *'R&D Nuclear activities at EDF Energy: current challenges and
opportunities for the future'* - Ionel Nistor, EDF
- 17:30 Poster Session – *Wolfson dining hall, St Edmunds Hall*
- 19.00 Conference Dinner – *St Edmunds Hall*

Friday 7th September

- 9:00 Coffee/arrival
- Professional Career Development Session**
- 9.30 *'Science public engagement'* - Jess Wade, Imperial College London
- 10.00 *'Career Pathways – a Non-standard Approach'* - Karl Whittle,
University of Liverpool
- 10.30 *'Careers in academia'* – David Armstrong, University of Oxford
- 11:00 Coffee
- Fusion session**
- 11.30 *'Nuclear Fusion at JET: The Joint European Torus '* - Anthony Shaw,
UKAEA
- 12.00 *'Accelerated materials testing using ion irradiation'* - Andrew London,
UKAEA
- 12:30 Lunch
- 14:00 Optional Culham Tour / Delegates leave