

**29<sup>th</sup> September 2021**

**Hosted by the Nuclear Futures Institute, Bangor University**

ONLINE

## Opening

0930 – 0945h

**Welcome: Nuclear Futures Institute, Bangor University** – William Lee

## Session 1: Nuclear Career Development

0945-1105h (20 mins each)

**A nuclear research job in industry, academia or at a national lab? Making the choice** – Andy Sherry (University of Manchester)

**Entrepreneurial route in the nuclear industry** – Thomas Davis (Davis & Musgrove Ltd)

**International nuclear experience** – Simon Middleburgh (NFI, Bangor University)

**A career retrospective of a long-term postdoc** – Richard Wilbraham (Lancaster University)

## **BREAK (15 min)**

## Session 2: Postdoc Presentations

1120 – 1205h (15 mins each)

**Molecular dynamics simulation of hypervelocity impacts** – Alberto Fraile

**Recent developments in SCONE: an open-source Monte Carlo radiation transport code** – Paul Cosgrove

**Microbial metabolism of isosaccharinic acid; Impacts on a cementitious geological disposal facility** – Najji M. Bassil

## Session 3: Break-away Rooms

Networking

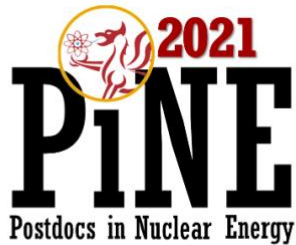
1205 – 1230h

## **BREAK (45 min)**

## Session 4: Nuclear Funding, Facilities and Trends

1315 – 1435h (20 mins each)

**Current and future nuclear energy trends** – Karl Whittle (University of Liverpool)



**Leveraging the NNUF** – Chris Grovenor & Francesca McGowan (NNUF)

**Working with & for the NNL** – Nick Smith (NNL)

**PiNE Perspectives** – Robin Grimes (Imperial College London)

## Session 5: Postdoc Presentations

1435 – 1535h (15 mins each)

**Titanate Ceramics for Plutonium Disposition** – Lewis Blackburn

**Thermal conductivity of UN-UB<sub>2</sub> composites fabricated by spark plasma sintering** – Qusai Mistarihi

**Tungsten-coated zirconium diboride kernels for uranium dioxide composite fuels** – Phylis Makurunje

**Fabrication of UO<sub>2</sub>-Nb composites with enhanced thermal conductivity manufactured by Spark Plasma Sintering (SPS)** – Hywel Ragnauth

Close

1545h