

NUCLEAR AMRC
ADVANCED MANUFACTURING RESEARCH CENTRE

CATAPULT
High Value Manufacturing

Wednesday
16 January
2019

Nuclear Innovation Programme

Advanced manufacturing and materials seminar


The Nuclear AMRC invites you to explore the latest cutting-edge research into manufacturing techniques and materials for a new generation of nuclear power.

The UK Nuclear Innovation Programme is supported by industry, academia and research centres, and backed by government. It involves a series of collaborative projects, led by leading UK companies and research centres, to deliver the most innovative solutions to meet the needs of the UK nuclear industry in six broad areas.

This exclusive seminar features presentations from projects in the **advanced manufacturing and materials** area. Topics range from nano-structured metals which could extend the life of reactors, to integrated tooling and intelligent fixturing which could halve the cost of producing large assemblies.

This industry-focused seminar is open to Nuclear AMRC members, F4N-granted manufacturers, and industry and research partners in the Numan community.

To register, or for more information:

 nip-manufacturing-materials.eventbrite.co.uk

 events@namrc.co.uk  0114 222 9954

Venue: AMRC Knowledge Transfer Centre, University of Sheffield,
Advanced Manufacturing Park, Brunel Way, Rotherham, S60 5WG



Nuclear Innovation Programme: advanced manufacturing and materials

Agenda

Wednesday 16 January 2019

9.00	Registration, refreshments and networking
9.30	Welcome and safety brief
9.40	Introduction to the Nuclear Innovation Programme Paul Nevitt, Nuclear Innovation and Research Office
10.00	Material/manufacturing technology evaluation for advanced reactors Andrew Wisbey, Wood
10.30	Nano-structured steels to extend operational performance of reactors Mike Gorley, UKAEA
10.50	Refreshments
11.15	Improved understanding & modelling of advanced joining technologies Andrew Moffatt, Frazer-Nash Consultancy
11.45	Single manufacturing platform environment (Simple) Matthew Smart, Nuclear AMRC
12.15	Intelligent fixtures for optimised & radical manufacture (Inform) Craig Hamer, Nuclear AMRC
12.45	Lunch and networking
1.30	Fit for modules (F4M) Jonathan Brown, Cammell Laird
2.00	Codes and standards for the design of SMR and Gen IV reactors Peter James, Wood
2.30	Panel discussion
3.30	Close

Venue

AMRC Knowledge Transfer Centre, University of Sheffield,
Advanced Manufacturing Park, Brunel Way, Rotherham, S60 5WG
The AMRC campus is just off Sheffield Parkway (J33 M1) – follow signs
to the Advanced Manufacturing Park, and aim for the large wind turbine.
Free parking is available in front of the Nuclear AMRC, or follow signs to
the AMRC overflow carpark further up Brunel Way.
Satnav: please use the postcode S60 5TZ.
Map and directions: namrc.co.uk/contact

