



Space & Nuclear Event

Cross Industry Learning

Thursday 23 January

Deloitte offices
100 Embankment
Cathedral Approach
Manchester, M3 7FB

ACTIVITY	TIME
Registration and refreshments	09:00
Welcome <i>Connor Deehan, NIA Decommissioning & Waste Management Chair</i>	09:40
Welcome from Deloitte <i>Deloitte</i>	09:50
Setting the Scene	
Setting the Scene <i>Lisa Clark, Head of Data Science</i> <i>David Smeatham, Expert Associate</i> <i>Sirius Analysis</i>	10:00
AI Maintenance & Robotics	
Does space have to be designed for robots? <i>Rob Buckingham, Director of RACE</i> <i>Remote Applications in Challenging Environments, UKAEA</i>	10:15
Nuclear Robotics: Fuelling Space Exploration, Military reconnaissance and Industrial Ingenuity <i>James Kell, Robotics Technical Director</i> <i>Amentum</i>	10:30
Magics: Digitizing the World of Nuclear and Space <i>Jelle Van Rethy, Product Manager</i> <i>Magics Technology</i>	10:45
Coffee & Networking	11:00
Advanced Materials for Challenging Environments	
Combining experiment and theory to accelerate materials design for extreme environments <i>Prof Simon Middleburgh, Co-Director of the Nuclear Futures Institute</i>	11:45

<i>Bangor University</i>	
Materials Research Facility <i>Chris Smith</i> <i>UKAEA</i>	12:00
Flash Sintering Technology <i>David Pearmain</i> <i>Business Manager – Technology Engagement & Partnerships</i> <i>Lucideon</i>	12:15
Parallels in Space: Nuclear Materials and Environments <i>Chris Sellers, Principal Engineer</i> <i>Kinectrics</i>	12:30
LUNCH	12:45
Advanced Materials and Supply Chain	
Advanced Materials for Nuclear & Space Applications enabled by HIP <i>Dr Susan Davies, Advanced Technology Lead, Bodycote HIP</i> <i>Mike Iles, TISICS</i>	14:00
UK National Nuclear Laboratory <i>Tim Tinsley, Professor of Space Nuclear Power, University of Leicester</i> <i>United Kingdom National Nuclear Laboratory</i>	14:20
Bridging Space and Nuclear Industries with ESA Technology Broker Support <i>Vito Di Pietro, Business Development Manager</i> <i>John Ruddleston, Senior Sector Manager for Fission & Fusion</i> <i>TWI</i>	14:35
ROCKETROLL: A Nuclear Electric Propulsion Study <i>James Cornish, Business Manager – Civil & Commercial Space</i> <i>Frazer-Nash Consultancy</i>	14:50
Wrap and Close <i>Connor Deehan</i>	15:05

Thanks to our hosts


 The Deloitte logo, featuring the word "Deloitte" in a bold, black, sans-serif font, followed by a small green circle.