

Nuclear Futures: Linking policy and technology

25 - 26 March 2013: Bristol M-Shed

Programme day 1: Nuclear policy and the role of technology

10:00 am	Arrival, registration and coffee
11:00 am	Introduction to the first day Chris Grovenor, University of Oxford and Paul Bates, Cabot Institute
11:15 am	Panel 1: Nuclear security Chair: Claire Durkin, Vice President and Regional Executive Europe, URS 1. Matthew Cottee, King's College London <i>The nuclear security regime</i> 2. Columba Peoples, University of Bristol <i>The IAEA's role in defining and promoting 'Nuclear Security'</i> 3. Roger Brunt, Nuclear Security Consultant, Grosmont Howe Ltd. <i>The UK's approach to regulating security in the civil nuclear sector</i>
12:45 am	Lunch
1:45 pm	Panel 2: Non-proliferation and nuclear export control Chair: Emily Cromwell, Deloitte Customs and Global Trade 1. Isabelle Anstey, King's College London <i>A gentleman's agreement: enforcing multilateral nuclear export controls</i> 2. Daniel Salisbury, Project Alpha <i>Engaging the private sector: the first line of defence against proliferation</i> 3. Neil Foreman, Centronic Ltd. <i>Keeping compliant: An industry perspective on supplying equipment in the nuclear market</i>
3:15 pm	Coffee break
3:45 pm	Panel 3: Nuclear innovation and proliferation Chair: Dr Richard, Strategic Systems Assessment, UK Atomic Weapons Establishment 1. Matthew Gill, University of Manchester <i>Safeguard and protection requirements for Generation IV reactor systems</i> 2. John Adams, Systems Assessment, UK Atomic Weapons Establishment <i>Limitations of intrinsic proliferation resistance barriers</i> 3. Hugh Chalmers, Royal United Services Institute <i>The proliferation risks of laser isotope separation technology</i>

5:15 pm	Finish
5:45 pm 6:30 pm	Wine reception Riverstation, Bristol BS1 4RB Keynote speech: The Right Honourable Lord Hutton of Furness, Chairman, Nuclear Industries Association
7:15 pm	Conference meal Riverstation, Bristol

Programme day 2: Nuclear technology and the role of policy

9:00 am	Arrival, registration and coffee
9:30 am	Introduction to the second day David Jarvis, UK PONI
9:45 am	Panel 4: Innovation in detection and safety Chair: David Smith, Bristol-Oxford NRC, University of Bristol <ul style="list-style-type: none"> 1. Silke Kuball, EDF & University of Bristol <i>Nuclear Safety Systems</i> 2. James MacFarlane, University of Bristol <i>ARMS: Autonomous Radiological Monitoring Systems</i> 3. Nick Harkin, University of Bristol <i>Uranium corrosion</i>
11:15 am	Coffee break
11:30 am	Panel 5: Innovation in nuclear technology: fission and fusion Chair: James Marrow, University of Oxford <ul style="list-style-type: none"> 1. Martin O'Brien, CCFE <i>UK and World Magnetic Fusion Research</i> 2. David Kingham, Tokamak Solutions <i>Small spherical tokamaks and their potential role in the development of fusion power</i> 3. Andrew Hughes, Rolls-Royce <i>Small reactors: will the UK be found napping?</i> 4. Howard Wilson, University of York <i>Plasma physics: remaining challenges in the approach to fusion energy</i>
1:00 pm	Lunch

2:00 pm	Lunch time keynote Prof Peter Roberts, AWE
2:15 pm	Panel 6: The perennial problem of waste Chair: Chris Grovenor, University of Oxford <ul style="list-style-type: none"> 1. Jon Martin, Nuclear Decommissioning Authority <i>The role of sound science in the safe disposal of nuclear waste</i> 2. Bill Lee, Imperial College London

	<p><i>Managing radioactive waste safely, the delicate balance between technical and social issues</i></p> <p>3. Tom Scott, University of Bristol <i>Knowing what you've got - problems presented by legacy wastes</i></p>
3:45 pm	Summing up – David Smith, University of Bristol
4.00pm	Finish