UK Project on Nuclear Issues 2020 Annual Conference

Tuesday 9 June 2020: Emerging Technology and Nuclear Proliferation

1300 – 1315 Introduction, Welcome and Poll: Tom Plant, UK PONI Director

1315 – 1400 Panel 1: AI, cyber and space
Chair: TBC
- Human vs. Machine: The role of AI in Nuclear Weapons Systems, by Jonny Roberts, Adam Tunbridge, Paul Neale, Jenny Insley and Rebecca Desmond
- The Global AI Race and Strategic Balance: Which Race Are We Running, by Charlotte Levy
- Cyber- and space-based capabilities and their impact on strategic stability, by Marina Favaro
- Implications of Real-Time Open Source Intelligence for Crisis Dynamics, by Jaewoo Shin

1400 – 1410: Break and Poll

1410 – 1510: Panel 1 Q&A

1510 – 1540: Break

1540 – 1700: Panel 2: Hypersonics and technological threats to deterrence
Chair: TBC
- The Erosion of Traditional Nuclear Deterrence: How technological advancements threaten the managed system of deterrence, by Alice Spilmam
- Hypersonic Missile Defence, Stopping the Unstoppable, by Arron Kennedy, Jonathan Balakumar, Jacob Allen and Mark Hutchings

1700 – 1800: Keynote speech and Q&A

Keynote: TBC

Wednesday 10 June 2020: Challenges and solutions for sustaining nuclear expertise in the next generation

1300 – 1445: Panel 3 Challenges and solutions for sustaining nuclear expertise in the next generation
Chair: TBC
- Back to the Future: Past lessons on sustaining skills, by Geoffrey Chapman
- Setting the perception, how do policy and media affect the UK nuclear skills pipeline? by Lorne Dryer
- Addressing the 'leaky pipeline': taking the temperature of the UK's early-career nuclear policy cohort, by Emily Enright
- How do we get young people to care about nukes? by Matt Korda
1445 – 1545: Break

1545 – 1700: Panel 4 UK PONI alumni panel and Poll

Panellists and Chair: TBC

1700 – 1800: Keynote speech and Q&A

Keynote: TBC

**Thursday 11 June 2020: UK nuclear weapons and Euro-Atlantic Security**

1300 – 1445: Panel 5: Nuclear weapons, nuclear power, and UK national strategy

- Deployment of the W76-2: Strengthening Deterrence or Lowering the Threshold? by Artůr Hoňich
- Euro-Atlantic Security and the UK’s Nuclear Strategy in 2040: the Case for a Robust UK Missile Defence System, by Ramesh Balakrishnan
- Nuclear deterrence - the ghost pillar of the NPT, by Lyndon Burford and Jennifer Knox
- Playing the ‘China card’: national security implications of the UK Hualong One nuclear power station, by Thomas P. Davis

1445 – 1515: Break

1515 – 1715: Interactive activity (further details TBC)

1715 – 1730: Break

1730– 1740: Observations on proceedings - Tom Plant, UK PONI Director

1740 – 1830: Closing Keynote