UK Project on Nuclear Issues 2018 Annual Conference

Thursday 7 June 2018 RUSI, 61 Whitehall, London SW1A 2ET

0820  Registration and Welcome Coffee
       Library

0850  Opening Remarks
       Tom Plant, Director, UK PONI

0900  Morning Keynote
       Duke of Wellington Hall
       Chair: Tom Plant, Director, UK PONI
       Speaker: Julian Kelly, Director General Nuclear, Ministry of Defence

0945  Plenary One: Arms Control and Disarmament
       Duke of Wellington Hall
       Chair: Shatabhisha Shetty, Deputy Director, European Leadership Network
       Speakers:
       Jennifer Schofield, MA Student, King’s College London
         An “America First” Arms Control Policy
       Dr Katarzyna Kubiak, Policy Fellow, European Leadership Network
         The way forward on the INF Treaty
       Elif Beyza Karaalioğlu, MA Student, King’s College London
         How can the Treaty on the Prohibition of Nuclear Weapons Contribute to the Future of the NPT?

1045  Morning Coffee - Library

1115  Plenary Two: New Technologies and the Nuclear Landscape
       Duke of Wellington Hall
       Chair: Justin Bronk, Research Fellow, RUSI
       Speakers:
       Martin Everett, MA Student, King’s College London
         The Rise of Hypersonic Defence
       Cameron Hunter, PhD Candidate, University of Bristol
         Anti-satellite technology and US-China nuclear deterrence stability
       Kirsty Nixon, Graduate Electronic Engineer, Babcock
         Critical National Infrastructure (CNI) – Operational Technology (OT) Security
       Guy Bishop, Model Engineer, MASS
         Could a state cyber-attack result in nuclear war?

1230  Lunch – Library
Lunchtime Activity – Women of Mass Destruction

Organised in partnership with Women in International Security (WIIS) UK
Duke of Wellington Hall

Dr Heather Williams, Lecturer in Defence Studies, King’s College London
Cristina Varriale, Research Analyst, RUSI

This session aims to engage the UK PONI community on issues of gender diversity in the nuclear community, across civil and military, technical and policy. The session will see delegates work in smaller groups and use questions to guide a discussion on gender and nuclear professions.

Plenary Three: UK Nuclear Decisions

Duke of Wellington Hall

Chair: Dr Rob Downes, King’s College London
Speakers: Dr Suzanne Doyle, Research and Training Lecturer, University of East Anglia

The United States’ Sale of Trident to the United Kingdom, 1977-1982
Patrick Ferns, Mechanical Engineer, AWE

Exploring the potential effects on UK safeguards of leaving EURATOM
James Bauld, Fluid Systems Engineer, Rolls-Royce

The Future of the UK Fast Attack Submarine: Nuclear Relevance, Cost Cutting and Enrichment

Retaining Skills

Duke of Wellington Hall

Chair: Don Frazier, Strategy and Organizational Consultant
Speakers: Brogen Dawkins, Analytical Chemist, AWE

An Argument for Capability Retention in the Event of Multilateral Disarmament
Ben Percy and Victoria Murtland, Young Nuclear Safety Professionals Forum

Applying Generational Analysis to Recruit and Retain Nuclear Talent

Artificial Intelligence

Reading Room

Chair: Ulrike Franke, Policy Fellow, European Council on Foreign Relations
Speakers: Oliver Dawkins, Thermofluids Engineer, Rolls-Royce

Self-driving cars? Why not a self-driving nuclear power station? Al’s role in a nuclear future
Damon Jones, Consultant/Development Team Tester, MASS

The Evolution of Automation and the Future of Process Improvement of Nuclear Targeting through AI

Responses to the US Nuclear Posture Review

Writing Room

Chair: Shashank Joshi, Senior Policy Fellow for International Affairs, Renewing the Centre, Tony Blair Institute for Global Change
Speakers: Rose Tenyotkin, MA Student, MIIS

China’s Response to the U.S. Nuclear Posture Review: A Comparison of Chinese Social Media and Official State Response
Maxwell Downman, BASIC

Weakening Nuclear Restraint: the impact of changes to US declaratory policy for European allies
1645

Interactive Expert Panel
Duke of Wellington Hall

Chair: Tom Plant, Director, UK PONI
Panellists: Dr Kori Schake, Deputy Director General, IISS
Dr Patricia Lewis, Research Director, International Security, Chatham House
Rebecca Hersman, CSIS PONI Director

Closing Remarks
Duke of Wellington Hall

1745
Speaker: Tom Plant, Director, UK PONI

1800

Drinks Reception
Library

1915

Dinner
Duke of Wellington Hall

2015

Dinner Keynote
Chair: Professor Malcolm Chalmers, Deputy Director-General, RUSI
Speaker: Renata Dwan, Director, UN Institute for Disarmament Research