

**2010 Fall Conference**

Atomic Weapons Establishment
Aldermaston, UK

DAY ONE: TUESDAY, 21 SEPTEMBER

7:15 *Shuttle bus departs from Apollo Hotel to AWE*

8:35 HOUSEKEEPING

Dr. Richard White, Conference Manager, Atomic Weapons Establishment

8:40 WELCOMING REMARKS

Mr. Robin McGill, Chief Executive Officer, Atomic Weapons Establishment

8:50 INTRODUCTION TO THE PROJECT ON NUCLEAR ISSUES

Dr. Clark Murdock, Senior Adviser and PONI Director, Center for Strategic and International Studies

9:00 MEETING NONPROLIFERATION CHALLENGES

Moderator: Prof. John Simpson, Mountbatten Centre for International Studies, University of Southampton

Missed Opportunity: the EU's Handling of the Iranian Nuclear Crisis

Mr. Paul Gould, M.A. Candidate, University of Denver

Towards a Verified Middle East Weapons of Mass Destruction Free Zone: Challenges, Opportunities, and Next Steps

Mr. Foy Hubert, M.A. Candidate, Monterey Institute of International Studies, Center for Nonproliferation Studies

The Proliferation Resistant Reactor

Dr. John Adams, Consequence Modeler, Atomic Weapons Establishment

10:20 BREAK**10:40 Perspectives on Extended Deterrence and Assurance**

Moderator: Clark Murdock, Senior Adviser and PONI Director, Center for Strategic and International Studies

Do Nuclear Security Assurances Curb Proliferation?

Dr. Philipp Bleek, Research Fellow, Harvard University Belfer Center for Science and International Affairs

Non-Strategic Nuclear Weapons and NATO's Strategic Concept Review

Mr. Grant Schneider, M.A. Candidate, The George Washington University

Underwriting Security Commitments without Reinforcing Perceptions of Nuclear Need

Mr. Mark Jansson, Deputy Director, Project on Nuclear Issues, Center for Strategic and International Studies

12:00 LUNCH

1:00 Address by Daryl Landeg, Chief Scientist, Atomic Weapons Establishment

1:20 NUCLEAR ASPECTS OF TERRORISM AND COUNTERTERRORISM

Moderator: Mr. Jay Tilden, Director, Office of Nuclear Counterterrorism, National Nuclear Security Administration

The Future of Terrorism with a Nuclear Iran

Dr. Tom Tierney, Physicist and Senior Project Leader, Countering Terrorist Tactics Program Office, Los Alamos National Laboratory

Understanding the Nuclear Threat: The Integration of Science with Policy and Governance

Mr. Dan Dalton, Interagency and International Section Lead, Office of Nuclear Counterterrorism, National Nuclear Security Administration

Nuclear Weapon Technology Close Kin: How the Non-Proliferation and Nuclear Counterterrorism Programs Leverage the Nuclear Weapons Complex Facilities and Expertise

Mr. Matt Cowan, Deputy Program Manager, Defense Technologies Engineering Division, Lawrence Livermore National Laboratory

2:40 TRI-LAB EFFORTS ON COUNTERPROLIFERATION

Mr. William Rees, Principal Associate Director for Global Security, Los Alamos National Laboratory

3:10 BREAK

3:30 Trident: Beyond CASD and Strategic Stability

Prof. John Simpson, Mountbatten Centre for International Studies, University of Southampton

4:00 TABLE DISCUSSIONS

What steps can be taken to address the concern over Iran's nuclear program and, specifically, to ensure that it is not being used to develop nuclear weapons?

5:00 END OF DAY ONE

5:15 Shuttle bus departs from AWE to Apollo Hotel

6:30 COCKTAIL RECEPTION

7:30 DINNER AND KEYNOTE ADDRESS

The Rt Hon Lord David Owen CH, Former Secretary of State for Foreign and Commonwealth Affairs

DAY TWO: WEDNESDAY, 22 SEPTEMBER

7:15 *Shuttle departs from Apollo Hotel to AWE*

8:00 COFFEE AND BREAKFAST

8:30 THE WAY FORWARD FROM THE NUCLEAR POSTURE REVIEW

Mr. Steve Henry, Deputy Assistant to the Secretary of Defense for Nuclear Matters

8:50 MAPPING NEW DIRECTIONS FOR THE NUCLEAR ENTERPRISE

Moderator: Mr. Steve Henry, Deputy Assistant to the Secretary of Defense for Nuclear Matters

The Unpredictable and Nuclear Devices

Dr. Steve Hughes, Senior Scientist, Computational Physics Group, Atomic Weapons Establishment

Towards an Integrated Nuclear, Space and Cyber Policy Framework

Mr. Jason Wood, Policy Analyst, Science Applications International Corporation

The Nuclear Weapons Budget: How Much is Enough?

Mr. Stephen I. Schwartz, Editor, *The Nonproliferation Review*, James Martin Center for Nonproliferation Studies, Monterey Institute of International Studies

Weapons Design vs. Weapons Maintenance: Are we looking for the right people?

Mr. Joel B. Forrester, Research Scientist, Pacific Northwest National Laboratory

10:20 BREAK

10:40 Thinking Ahead about Strategic Stability

Moderator: Mr. Robin Pitman OBE FInstP, Associate Director, Institute for Security Science and Technology, Imperial College, London

Getting the Balance Right: U.S. Missile Defense and Nonproliferation

Mr. Andrew Futter, PhD candidate, Department of Political Science and International Studies, University of Birmingham

Missile Defense and Future US-Russian Arms Control

Mr. John Warden, Program Coordinator, Project on Nuclear Issues, Center for Strategic and International Studies

Indian Nuclear Force Modernization and Implications for Strategic Stability

Mr. Frank O'Donnell, Research Assistant and MSc Strategic Studies Student, University of Aberdeen

Nuclear Crises

Mr. Paul Burton, Radiation Sciences, Atomic Weapons Establishment

12:10 Address by Peter Sankey, Director of Strategic Technologies, Ministry of Defence

12:35 LUNCH AT THE ORION FACILITY

1:30 *Tours of ORION Facility*

Shuttle departs from AWE to Apollo Hotel

3:30 *Shuttle departs from AWE to Apollo Hotel*