

2010 Capstone Conference
October 27, 2010**Offutt AFB, Nebraska**
Dougherty Conference Center**7:30 CONFERENCE CHECK-IN AND BREAKFAST****8:00 CONFERENCE WELCOME**

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

8:10 NUCLEAR STRATEGY FOR THE CHANGING SECURITY ENVIRONMENT

Moderator: Lt Gen Frank G. Klotz, Commander, Air Force Global Strike Command

- **Seeing Deterrence through the Lens of Conflict Resolution**
Mark Jansson, Deputy Director, Project on Nuclear Issues, Center for Strategic and International Studies
- **Chinese Mobile Ballistic Missiles: Implications for U.S. Counterforce Operations**
Matthew Hallex, MA Candidate, Security Policy Studies, Elliott School of International Affairs, The George Washington University
- **Non-Strategic Nuclear Weapons and NATO's Strategic Concept Review**
Grant Schneider, M.A. Candidate, The George Washington University
- **Balancing Assets and Liabilities: U.S. Primacy and the Strategic Utility of Missile Defense**
Michael Mayer, Doctoral Fellow, Norwegian Institute for Defence Studies
- **Understanding Saddam's Non-Use of WMD in the Gulf War**
David Palkki, Deputy Director, Conflict Records Research Center, National Defense University

9:40 BREAK**10:00 NEXT STEPS IN BILATERAL ARMS CONTROL: PRELIMINARY FINDINGS OF THE PONI NEXT GENERATION WORKING GROUP**

James Acton, Associate, Nuclear Policy Program, Carnegie Endowment for International Peace and Michael Gerson, Research Analyst, Center for Naval Analyses

10:30 NUCLEAR PROLIFERATION DRIVERS AND CONSTRAINTS

Moderator: Bernard Sitt, Director, Center for International Security and Arms Control Studies

- **The Nuclear Posture Review and Getting to Zero: Are We Safer?**
Nancy E. Brune, Principal Member of Technical Staff, Sandia National Laboratories
- **Engaging the Scientific Enclave in India towards Nonproliferation after the Indo-U.S. Civilian Nuclear Agreement**
Saurabh Dutta Chowdhury, M.A. Candidate in Nonproliferation and Terrorism, Monterey Institute of International Studies
- **The Proliferation Resistant Reactor**
John Adams, Consequence Modeler, Atomic Weapons Establishment
- **Punishing Proliferators: The A.Q. Khan Network and Legal Obstacles to Prosecuting Nuclear Traffickers**
Philip Johnson, Presidential Management Fellow, Defense Threat Reduction Agency

12:15 LUNCH AT THE OFFUTT PATRIOT CLUB

- **New Developments with the French Project on Nuclear Issues**
Bernard Sitt, Director, Center for International Security and Arms Control Studies
- **Lunch Keynote Address**
John Hamre, President and CEO, Center for Strategic and International Studies

1:45 Return to the Dougherty Conference Center**2:00 RESPONDING TO THREAT OF NUCLEAR TERRORISM**

Moderator: Amb. Linton Brooks, Senior Adviser, Center for Strategic and International Studies

- **Understanding the Nuclear Threat: The Integration of Science with Policy and Governance**
Dan Dalton, Interagency and International Section Lead, Office of Nuclear Counterterrorism, National Nuclear Security Administration
- **Cosmic Ray Muon Scattering Tomography for Security Applications**
Lindsay Cox, Research and Development Scientist, National Nuclear Security Division, Atomic Weapons Establishment
- **Nuclear Forensic Analysis and Data Interpretation**
Theodore Nichols, Post-doctoral Fellow, Savannah River National Laboratory
- **Nuclear Forensics: Information-Sharing Barriers and Mechanisms to Overcome Them**
Daniela Helfet, U.S. Department of State, Bureau of International Security and Nonproliferation, Office of Weapons of Mass Destruction Terrorism

3:30 BREAK**3:45 TECHNICAL CHALLENGES FOR STOCKPILE SUSTAINMENT AND NUCLEAR SECURITY**

Moderator: Mr. William Bookless, Senior Advisor, Policy, Planning and Assessment Analysis, National Nuclear Security Administration

- **Developing and Maintaining Weapon Design Expertise in a CTBT Era**
James Cooley, Physicist, X-4 Division, Los Alamos National Laboratory
- **The CTBT and Zero Yield: A Technical Perspective**
Daniel J. Dorsey, Principle Member of Technical Staff, Sandia National Laboratories
- **Nuclear Weapon Technology Close Kin: How the Non-Proliferation and Nuclear Counterterrorism Programs Leverage the Nuclear Weapons Complex Facilities and Expertise**
Matt Cowan, Deputy Program Manager, Defense Technologies Engineering Division, Lawrence Livermore National Laboratory
- **The UK Choice**
Richard White, Technical Strategy & Capability Assessment, Atomic Weapons Establishment

5:15 END OF CONFERENCE**6:00 RECEPTION AT THE OFFUTT PATRIOT CLUB****6:30 DINNER AND KEYNOTE ADDRESS**

General Kevin P. Chilton, Commander, U.S. Strategic Command