



Nuclear Scholars Initiative

PROJECT ON NUCLEAR ISSUES

2011 Program

Meeting 1 (January 28): *The Nuclear Posture Reviews*

Chair: Dr. Clark Murdock, Senior Adviser and PONI Director, CSIS

- The 1994 Nuclear Posture Review
Ms. Elaine Bunn, Senior Research Fellow, National Defense University
- The 2001 Nuclear Posture Review
Mr. Thomas Scheber, Vice President, National Institute for Public Policy
- The 2010 Nuclear Posture Review
Dr. Brad Roberts, Deputy Assistant Secretary of Defense for Nuclear and Missile Defense Policy
- Changes in the NPR Process and Context
Dr. Clark Murdock, Senior Adviser, Center for Strategic and International Studies

Meeting 2 (February 25): *Deterrence, Extended Deterrence, and Assurance*

Chair: Mr. Frank Miller, Nonresident Senior Advisor, CSIS

- Extended Deterrence and Assurance in Europe
Mr. Frank Miller, Nonresident Senior Advisor, CSIS
- Extended Deterrence in the Middle East and the Challenge of a Nuclear Iran
Dr. Ray Takeyh, Senior Fellow for Middle Eastern Studies, Council on Foreign Relations
- The Last Time we Were at Nuclear Zero
Dr. George Quester, Visiting Professor of International Affairs, The George Washington University
- A British Perspective on Deterrence
Mr. Martin White, Head, Nuclear Strategic Deterrent and Chemical, Biological Defense Office, UK Embassy in the United States

Meeting 3 (March 25): *Threat Reduction and Verification*

Chair: Ambassador Linton Brooks, Nonresident Senior Advisor, CSIS

- Technical Aspects of Arms Control Verification
Mr. Burgess Laird, Research Staff Member, Institute for Defense Analysis (IDA)
- Nuclear Weapons Modernization and Congress
Ms. Amy Woolf, Specialist in Nuclear Weapons Policy, Congressional Research Service (CRS)

- Modernization of the Nuclear Weapons Complex and Stockpile
Ambassador Linton Brooks, Nonresident Senior Advisor, CSIS
- DoD Delivery System Modernization
Dr. John Harvey, Principle Deputy, Assistant to the Secretary of Defense for Nuclear and Chemical and Biological Defense Programs

Meeting 4 (April 29): Arms Control

Chair: Ambassador Linton Brooks, Nonresident Senior Advisor, CSIS

- Next Steps in US-Russian Arms Control
Dr. James Acton, Senior Associate, Nuclear Policy Program, Carnegie Endowment, and Mr. Michael Gerson, Research Analyst, Center for Naval Analysis
- The Comprehensive Test Ban Treaty
Dr. Edward Ifft, Adjunct Professor, Security Studies Program, Georgetown, and Mr. Thomas Scheber, Vice President, National Institute for Public Policy
- Missile Defense Cooperation
Mr. Robert Nurick, Independent Consultant
- Abolition
Dr. George Perkovich, Vice President for Studies and Director, Nuclear Policy Program, Carnegie Endowment, and Mr. Elbridge Colby, Research Analyst, Center for Naval Analysis

Meeting 5 (May 20): Nuclear Security: A New Paradigm

Chair: Ms. Sharon Squassoni, Senior Fellow and Director, Proliferation Prevention Program, CSIS

- Lessons From Fukushima
Charles D. Ferguson, President, Federation of American Scientists
- NPT 2010 Review Conference
Ambassador Susan F. Burk, Special Representative of the President for Nuclear Nonproliferation
- Nuclear Supply and Suppliers: North Korea, Iran and Beyond
David Albright, President, Institute for Science and International Security
- 2012 Nuclear Security Summit
Duyeon Kim, Deputy Director of Nuclear Nonproliferation, Center for Arms Control and Nonproliferation

Meeting 6 (June 24): Briefings by the Scholars

Feedback Panel: Dr. Clark Murdock, Senior Adviser and PONI Director, Center for Strategic and International Studies; Ambassador Linton Brooks, Nonresident Senior Advisor, Center for Strategic and International Studies; Brig. Gen. Martin Whelan, Director, Operations and Nuclear Support Directorate,

Defense Threat Reduction Agency; Ms. Amy Woolf, Specialist in Nuclear Weapons Policy, Congressional Research Service

Institutional and Technical Report NNSA

- Governance Reform and the Perry-Schlesinger Recommendations
Michael Clauser, M.A. Candidate, U.S. Naval War College
- The Transition of the Nuclear Weapons Complex towards Nuclear Zero – Impacts on Integrated Stockpile Evaluation
Justin Fernandez, Technical Staff, Sandia National Laboratories

Nuclear Forensics

- Is Nuclear Forensics an Effective Deterrent Against Nuclear Smuggling and Terrorism?
Shaheen Dewji, Ph.D. Candidate, Nuclear and Radiological Engineering, Georgia Institute of Technology
- The Impact of Improved Nuclear Detection and Deterrence Technologies on Policy
Kevin Mueller, Radiation Detection Research Scientist, Defense Threat Reduction Agency

Extended Deterrence and Assurance

- The Past, Present, and Future of Extended Deterrence
Thomas Devine, Policy Analyst, Science Applications International Corporation
- Extending Deterrence to the Gulf
Matthew Hallex, M.A., Security Studies, George Washington University
- 21st Century Assurance: Signaling Problems in a Multipolar Security Environment
Marie McLetchie, Presidential Management Fellow, Headquarters Air Force A10, Strategic Deterrence and Nuclear Integration

The Future of Deterrence, Arms Control, and Nonproliferation

- Signals Intelligence? The Effectiveness of Nuclear Signals in Conflict
Rebecca Gibbons, Ph.D Student, Political Science, Georgetown University and Policy Analyst, Science Applications International Corporation
- Applying Schelling's Threat that Leaves Something to Change to U.S.-China Relations
Vincent Manzo, Research Assistant, Institute for National Strategic Studies, National Defense University
- Feasibility and Effects of China's Sprint to Parity
Caroline Reilly, Ph.D. Candidate, Science, Technology, and Environmental Policy, Princeton University

- Contextualizing and Engaging Russia Nuclear Policy
Alejandro Sueldo, J.D. Candidate, University of California at Berkeley

Civil and Strategic Nuclear Cooperation

- Establishing a Nuclear Safety, Security, and Safeguards Culture in the Gulf Cooperation Council (GCC)
Patrick Lynch, Safeguards Analyst, Oak Ridge National Laboratory
- Political and Strategic Considerations for the Future of US-UK Nuclear Cooperation
Matthew Harries, Ph.D. Candidate, War Studies, Kings College

Future Verification Challenges

- International Onsite Inspections: The CTBTO's Challenge and Efforts to Prepare for The Big Game
Joel Forrester, Research Scientist, Pacific Northwest National Laboratory