

2013 SUMMER CONFERENCE

Sandia National Laboratories
International Programs Building (IPB)
10600 Research Rd. SE
Albuquerque, New Mexico 87123

Day One: Wednesday, July 31

8:00 SHUTTLE DEPARTS FROM SHERATON ALBUQUERQUE UPTOWN

8:15 CONFERENCE CHECK-IN AND BREAKFAST

8:50 CONFERENCE WELCOME

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

9:00 OPENING REMARKS

Paul Hommert, President & Laboratories Director, Sandia National Laboratories

9:10 PANEL 1: THE GLOBAL NONPROLIFERATION REGIME AND ITS "HARD CASES"

Moderator: David Jarvis, Associate Fellow, UK PONI

Tackling Technology-driven Nationalism for Non-Proliferation: Lessons from India, Actions for Iran and North Korea

Jayita Sarkar, PhD candidate, Graduate Institute Geneva

The Mossadegh Effect: Iranian Nationalism and Nuclear Negotiations

Evan Fowler, Master's degree candidate, Johns Hopkins University School of Advanced International Studies

The Indian Nuclear Suppliers Group (NSG) Exception: Implications and Repercussions

Lorenza Bronkhorst, Post-Baccalaureate Research Assistant, Los Alamos National Laboratory

Building Responsible Nonproliferation Stakeholders: State Decision-making and the Nonproliferation Regime

Jeffrey R. Fields, Senior Adviser, Department of Defense

10:30 BREAK

10:50 PANEL 2: NUCLEAR MODERNIZATION AND STOCKPILE STEWARDSHIP IN AN AGE OF AUSTERITY

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

An Executable Plan for Stockpile Modernization: Reviewing the U.S. Stockpile Life Extension Plans and the Risk of Fiscal Austerity

Derek Wartman, W78 System Engineer, Sandia National Laboratories

Triads, Diads, and Interoperability: A Structured Approach to Tracing the Implications of Diversity on Deterrent Force Reliability

Jarret M. Lafleur, Senior Member of Technical Staff, Sandia National Laboratories

Brothers in Arms? The UK's Nuclear Warhead Dilemma

Hugh Chalmers, Research Analyst, The Royal United Services Institute

12:00 LUNCH & INVITED TALK: "THE CHALLENGES AND OPPORTUNITIES FOR THE U.S. NUCLEAR WEAPONS PROGRAM: FROM PRAGUE TO BERLIN"

Sheryl Hingorani, National Security Executive Officer, National Security Programs, Sandia National Laboratories

1:15 BREAK**1:30 PANEL 3: NUCLEAR DYNAMICS AND STRATEGIC STABILITY IN ASIA**

Moderator: Andrew L. Ross, Director of Special Science, Engineering, and Policy Research Initiatives in the Office of the Vice President for Research and Director of the Center for Science, Technology, and Policy, University of New Mexico

Toward a North Korean Declaratory Posture

Scott Thomas Bruce, Associate, East-West Center

Wither the Nuclear Umbrella? U.S. Nuclear Assurances to Japan in a Changing Northeast Asian Security Environment

Gary Sampson, Master of Science of Strategic Intelligence Candidate, National Intelligence University

China's Strategic Posture and the Future of Deterrence

Eve Hunter, Researcher, Center for a New American Security

Clouded Waters: Naval Nuclearization and Strategic Uncertainty in the Indian Ocean

Iskander Luke Rehman, Research Fellow, Center for Strategic and Budgetary Assessments

2:50 BREAK AND TRAVEL TO BREAKOUT ROOMS**3:10 BREAKOUT SESSION: "HOW SHOULD THE UNITED STATES DEAL WITH A NUCLEAR IRAN?"**

Moderators: S. Steve Henry, John Isaacs, Douglas Shaw, R. Jeffrey Smith, Robert Smolen, and Tony Spehar

Assorted rooms in the IPB and Innovation Parkway Office Center (IPOC)

4:15 END OF BREAKOUT SESSION**4:30 SHUTTLE DEPARTS FOR SHERATON ALBUQUERQUE UPTOWN****6:00 RECEPTION**

7:00 DINNER & KEYNOTE SPEECH

Frank Rose, Deputy Assistant Secretary for Space and Defense Policy, U.S. Department of State

8:30 END OF DAY ONE

Day Two: Thursday, August 1

8:00 SHUTTLE DEPARTS FROM SHERATON

8:45 BREAKFAST AND BREAKOUT RECAP

9:30 PANEL 4: GLOBAL NUCLEAR SECURITY: PREVENTING NUCLEAR TERRORISM AND RESTRICTING ACCESS TO NUCLEAR MATERIAL

Moderator: Jill M. Hruby, Vice President, VP of Energy, Nonproliferation and High-Consequence Security (6000) and the International, Homeland and Nuclear Security Strategic Management Unit, Sandia National Laboratories

A Multistage Framework for Strengthening Global Nuclear Security through the Development of Nuclear Forensics Capabilities and Databases

Erika Suzuki, Nuclear Policy Research Assistant, UC Berkeley Nuclear Policy Working Group

Nuclear Medicine without Nuclear Reactors or Uranium Enrichment

Seth Hoedl, Summer Scholar, Center for Science, Technology and Security Policy, American Association for the Advancement of Science

Derek Updegraff, Program Associate, Center for Science, Technology, and Security Policy, American Association for the Advancement of Science

Law Enforcement Partners in Nonproliferation

Kirsten McNeil, Project Manager, National Nuclear Security Administration

Assessing the Nuclear Terrorist Threat: Indexing Illicit Trafficking and Nuclear Terrorism in Sub-Saharan Africa

Kimberly Proctor, Office of Graduate Studies Excellence Fellow, University of New Mexico

10:50 BREAK

11:10 PANEL 5: NEXT-STEPS FOR ARMS CONTROL AND THE “ROAD TO ZERO”

Moderator: Ivan Oelrich, Independent Consultant

Britain’s Inadvertent Alternative to Global Zero

Justin Bronk, Associate, London School of Economics and Political Science

Prospects for Future Nuclear Disarmament and Denuclearization Agreements

Zoe Gastelum, Nonproliferation Research Scientist, National Security Directorate, Pacific Northwest National Laboratory

Chain of Custody Assurance: A Path to Verified Warhead Accounting and Dewatering of Fissile Material under Safeguards

Nic Wondra, Master of Arts, Johns Hopkins School of Advanced International Studies

Building on the Recommendations of the National Research Council report *The Comprehensive Nuclear Test Ban Treaty: Technical Issues for the United States*: Near-Term Confidence Building Measures for the CTBT

Benjamin J. Rusek, Program Officer, U.S. National Academy of Sciences

12:30 LUNCH & INVITED TALK: “MEETING THE CHALLENGES OF GLOBAL NUCLEAR SECURITY: FROM PRAGUE TO BERLIN”

Rodney Wilson, Director, Nonproliferation and Cooperative Threat Reduction, Sandia National Laboratories

1:30 DEPART FOR OPTIONAL TOURS

Z Pulsed Power Facility, Saturn Accelerator, and Technology Training and Demonstration Area
Shuttles will return participants to the IPB and the Sheraton Albuquerque Uptown at the conclusion of the tours

4:00 CONFERENCE ENDS