

**2010 Summer Conference**

Sandia National Laboratories

Steve Schiff Auditorium

Day One: Thursday, July 22nd**7:15** *Shuttle bus departs from Hotel Albuquerque to Sandia***7:30** *First shuttle bus departs from IPOC. Second shuttle departs at 8:00.***8:00** CONFERENCE CHECK-IN AND BREAKFAST**8:40** WELCOMING REMARKSAl Romig, Executive Vice President, Deputy Laboratories Director and Chief Operating Officer,
Sandia National Laboratories**8:50** INTRODUCTION TO THE PROJECT ON NUCLEAR ISSUES

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

9:00 ADDRESSING THE NUCLEAR SECURITY CHALLENGES POSED BY NON-STATE ACTORS

Moderator: James Tegnolia, Former Director, Defence Threat Reduction Agency

UNSCR 1540: Cooperation and Capacity BuildingDavid C. Maness, Special Assistant (UNSCR 1540), Bureau of International Security and
Nonproliferation**Turning 1540 Obligations into Reality**Vonda Delawie, Special Advisor for Re-engagement, Office of Export Control Cooperation,
Bureau of International Security and Nonproliferation, U.S. Department of State**Deterring Radiological Terrorism**Jasper Pandza, Ph.D. Candidate, Centre for Science & Security Studies, Department of War
Studies, King's College London**10:30** BREAK**10:45** PERSPECTIVES ON THE FUTURE OF NONPROLIFERATION AND DISARMAMENTModerator: Clark Murdock, Senior Adviser and PONI Director, Center for Strategic and
International Studies**How the Nature of Iran's Regime Influences its Approach to the IAEA and NPT Compliance**

Emily Cura Saunders, Ph.D. Candidate, Claremont University

Resolving Tensions among Sanctions, Export Controls and the Political Liberalization of IranMargarita Zolotova, MA Candidate, International Security, Monterey Institute of International
Studies

The Nuclear Posture Review and Getting to Zero: Are we safer?

Nancy E. Brune, Ph.D., Principal Member of Technical Staff, Sandia National Laboratories

Retrospective on the 2010 NPT Review Conference

Scott Davis, Deputy Director, Office of Multilateral Nuclear Affairs, Bureau of International Security and Nonproliferation, US Department of State

12:15 LUNCH AND DEBATE: Should the U.S. remove nuclear weapons from Europe?

Chris Jones, Research Assistant, Center for Strategic and International Studies and John Warden, Research Assistant, Center for Strategic and International Studies

2:00 RECAP OF THE SANDIA-PONI WORKSHOP FOR FUTURE NATIONAL SECURITY EXPERTS

Mark Jansson, Coordinator, Project on Nuclear Issues

2:15 ALIGNING TECHNICAL CAPABILITIES AND NUCLEAR POLICY GOALS

Moderator: Rodney Wilson, Director, National Security Studies and Integration, Sandia National Laboratories

The CTBT and Zero Yield: A Technical Perspective

Daniel J. Dorsey, Ph.D., Principle Member of Technical Staff, Sandia National Laboratories

Assessing Predictive Capability: Stockpile Stewardship and the Scientific Method

Steve MacLaren, Secondary Design Physicist, Lawrence Livermore 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

Towards a Mutually Reinforcing Future: Opportunities to Integrate Nuclear Weapons Stewardship and Arms Control Objectives

Lani Miyoshi Sanders, Ph.D., Technical Staff Manager, Sandia National Laboratories

4:00 BREAK AND TABLE DISCUSSION

What can be done to develop a better process through which the country can foster and capitalize on its scientific capabilities, including those at the laboratories?

5:00 END OF DAY ONE

Shuttle bus will return out of town visitors to the Hotel Albuquerque or the IPOC parking lot as needed.

6:15 COCKTAIL RECEPTION

Hotel Albuquerque (Fireplace Room)
800 Rio Grande Blvd, NW, Albuquerque, NM

6:45 DINNER AND KEYNOTE ADDRESS

Dr. C. Paul Robinson, President Emeritus, Sandia National Laboratories
Hotel Albuquerque (Franciscan Room)

Day Two: Friday, July 23rd
Steve Schiff Auditorium

7:30 *Shuttle departs from Hotel Albuquerque to Sandia*

7:30 *First shuttle bus departs from IPOC. Second shuttle departs at 8:00.*

8:30 COFFEE AND BREAKFAST

9:00 NUCLEAR WEAPONS AND STRATEGIC COMPETITION

Moderator: Hans Kristensen, Director, Nuclear Information Project, Federation of American Scientists

Dividing by Zero: Is a nuclear free world an impossible operation?

Col Melvin Deaile, Chief, Plans, Policy, and Integration Division (A5P), Air Force Global Strike Command, Barksdale AFB

The Future of the Nuclear Triad Concept and New Nuclear Weapons States

Raja Karthikeya, Research Analyst, SOS International, Ltd.

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

Nuclear Superiority or the Balance of Resolve? Explaining Nuclear Crisis Outcomes

Matthew Kroenig, Assistant Professor of Government, Georgetown University

10:30 BREAK

10:45 NUCLEAR ARMS CONTROL OPPORTUNITIES AND CONSTRAINTS

Moderator: Stan Frealey, Senior Scientist, Sandia National Laboratories

The Next Vanguard of Disarmament: Tactical Nuclear Weapons in Europe

Amanda Tuninetti, Princeton University, Woodrow Wilson School of Public and International Affairs

Renegotiating the INF Treaty: Dangerous Mistakes, Improbabilities, and Bright Possibilities for the Future

Stacy Durr, Research Assistant, Brookings Institution

The Economics of Deterrence: Towards an Economic Framework to Determine if Nuclear Deterrence is More Economical than Conventional Deterrence

Drake Warren, Senior Member of Technical Staff, Strategic Studies Department, Sandia National Laboratories

12:15 LUNCH AT THE MOUNTAIN VIEW CLUB AND TABLE DISCUSSION RECAP

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

1:30 TOURS OF SANDIA

Each tour will be approximately two hours in duration. Shuttles will return guests to the Steve Schiff Auditorium and then to their local points of destination.

3:30 END OF CONFERENCE