

2012 SPRING CONFERENCE**AGENDA****Pacific Northwest National Laboratory****Battelle Auditorium**

902 Battelle Boulevard; Richland, WA 99352

Tuesday, April 17th**5:00 Check-in and Reception**

Courtyard by Marriott, 480 Columbia Point Drive, Richland, WA

7:00 End**Day One: Wednesday, April 18th****6:00 *Breakfast in lobby of Marriott*****8:00 *Shuttle bus departs from Hotel to PNNL*****8:30 Conference Check-in and Light Breakfast in Battelle Auditorium****8:45 Conference Welcome**

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

8:50 Opening Remarks

Dr. Anthony Peurrung, Associate Laboratory Director, National Security Directorate

9:00 Panel 1: Strategies for Controlling Sensitive Nuclear Technology**Moderator:** J. Christian Kessler, Owner of NorthRaven Consulting LLC & former Director of the Office of Conventional Arms Threat Reduction in the Department of State**Corporations: The Neglected Dimension in Nonproliferation Efforts**

Judith Norton, Doctoral Candidate, University of Georgia

A Proliferation-Perverse Outcome in the Market for Nuclear Goods

Eleanor Cooper, Washington University, St. Louis

Partnership with the Private Sector: Addressing the Illicit Procurement of Proliferation-Sensitive Goods

David Salisbury, Researcher, King's College

10:20 Break/Poster Session

10:40 Technical Issues Surrounding the Comprehensive Nuclear-Test-Ban Treaty (CTBT)

Dr. Theodore W. Bowyer, Program Manager, Nuclear Explosion Monitoring and Policy Program, Pacific Northwest National Laboratory

11:10 Panel 2: Arms Control Verification and Compliance

Moderator: Jennifer Tanner, Senior Staff, Pacific Northwest National Laboratory

Prospective Use of Social Media to Target Information-Driven Arms Control and Nonproliferation

Sean Kreyling, Laura Schmidt Williams, Kevin Whattam, Court Corley, Nick Cramer, Zoe Gastelum, Stuart Rose, Eric Bell, Liam McGrath and Michelle Gregory, Pacific Northwest National Laboratory

Supporting Arms Control Initiatives with Technology: The Benefits and Challenges of using Active Monitoring in Support of Verification

Jay Brotz and Justin Fernandez, Sandia National Laboratories

Enabling Radiation Imaging Techniques for Arms Control Verification

Benjamin McDonald, Research Scientist, Pacific Northwest National Laboratory

12:30 Lunch and breakout session: “What should be the next administration’s nuclear agenda?”

Moderators: Clark Murdock, Andrew Semmel, Doug Shaw, Michael Weaver, Chris Kessler
Lunch at the BSF/CSF lobby, Breakout rooms TBD

2:00 Break**2:20 Panel 3: The Future of Nuclear Nonproliferation and Disarmament****Moderator:**

Dr. Clark Murdock, Senior Adviser and Director of the Project on Nuclear Issues at CSIS

Slaying the Nuclear Dragon: Disarmament Dynamics in the Twenty-First Century

David Santoro, Senior Fellow, Pacific Forum CSIS

Nuclear Deterrence Throughout Disarmament: Reality or Myth?

Alyssa Demus, Masters Candidate, American University School of International Service

Compliance with the Nuclear Non-Proliferation Treaty: The Case of Iran and Future Implications

Rizwan Ladha, Doctoral Candidate, The Fletcher School of Law and Diplomacy, Tufts University

Inside Indian Nuclear Politics and 21st Century Nonproliferation Initiatives

Casey Mahoney, Masters Candidate, Monterey Institute of International Studies

3:50 Break

4:10 Discussion and summary of break-out group findings

4:45 *Shuttle bus returns guests to hotel*

5:30 Reception

Mariott, Riverview Hall

6:30 Dinner & Keynote Address

Mr. Warren Stern, Director of the Domestic Nuclear Detection Office, Department of Homeland Security

8:30 End of Day One

Day Two: Thursday, April 19th**Pacific Northwest National Laboratory
Battelle Auditorium**

8:00 *Shuttle bus departs from Hotel to Battelle Auditorium*

8:30 **Coffee/Light Breakfast**

9:00 **Panel 4: Fissile Materials and Nuclear Security**

Moderator: Dr. Douglas Shaw, Associate Dean for Planning, Research, and External Relations and Assistant Professor of International Relations at The George Washington University's Elliott School of International Affairs

The United Kingdom contribution to the 2012 Nuclear Security Summit, Seoul, South Korea
Kane Pollard, Graduate Engineer, UK Ministry of Defense

Technical Cooperation with India and Pakistan as a Confidence-Building and Transparency Measure for Fissile Material Control

Laura Schmidt Williams, Paul Booker, Jana Fankhauser, Travis Gitau, Ron Omberg,
Chris Toomey and Ned Wogman, Pacific Northwest National Laboratory

Assessing the Significance of States Possessing Radiological Weapons
Nathan Donohue, Masters Candidate, Elliot School of International Affairs

10:20 **Break**

10:30 **Panel 5: U.S.-Russia Nuclear Cooperation and Arms Control**

Moderator: Andrew Semmel, Head of AKS Consulting & Former Deputy Assistant Secretary for Nuclear Nonproliferation Policy and Negotiation in the Department of State

Impact of Epistemic Communities on US-Russian Nuclear Cooperation
Michelle Dover, Masters Candidate, American University School of International Service

The CFE treaty and the future of Russian bilateral/multilateral arms control
Maschenka Braganca, Master Candidate, American University School of International Service

US-Russian Nuclear Cooperation: Decreasing the threat of nonproliferation and improving relations

Wesley Neuman, Masters of Public Policy Candidate, University of Maryland School of Public Policy

11:50 **Break**

12:00 "The Science Behind Modern Day Nuclear Forensic Analysis: Definition, Importance, and Example"

Dr. Jon M. Schwantes, Senior Scientist with the Radiochemical Analysis Group, Pacific Northwest National Laboratory

12:30 Lunch**1:00 Bus Departs for HAMMER Tour****1:15 Tour of HAMMER****3:30 1st Shuttle bus departs for hotel (for those skipping part 3 of tour)****4:30 2nd Shuttle bus departs for hotel/Conference ends****6:30 Dinner for Remaining Guests**

Location TBD