

PPNT Winter Conference 2012

Schedule of Events

Monday, February 6, 2012

Location: Washington Center

- 8:00 a.m. **Check-in with Continental Breakfast**
- 8:30 a.m. **Opening Remarks & Welcome**
Larry Satkowiak, INMM Nonproliferation and Arms Control Division Chair
Robert Brown, PPNT Program Director at UC Institute on Global Conflict and Cooperation
- 8:45 a.m. **Setting Goals and Objectives for the Workshop**
Ruth Duggan (Workshop Chairperson, SNL)
- 9:00 a.m. **Session I – Nonproliferation Theory, Chair, Benoit Pelopidas (CISAC)**
Rebecca Gibbons, GU, Determinants of Cooperation within the NPT regime
Michael Cohen, UBC, Fear and Learning with the Bomb
Zach Zwald, USAF Imaginary Nuclear Conflicts: Explaining Deterrence Policy Preference Formation
David Santoro, CSIS, Proliferation and Nonproliferation in the Early Twenty-First Century
Alan Hanson, CSIS
- 10:30 a.m. **Break**
- 10:45 a.m. **Session II – Nonproliferation Practices, Chair, Jeffrey Fields (DTRA)**
Matt Kroenig, US Nuclear Weapons and Nonproliferation: Is there a Link?
Philipp Bleek, MIIS, Can Security Assurances Prevent Allied Nuclear Proliferation? A Mixed-method Assessment
Matt Harries, KC, Role of Disarmament in Creating the NPT ‘Bargain’, 1964-1970
Martha Williams, IAEA MC&A Efforts to Address the Insider
Tom Pham, Mitigating the Insider Threat at NRC Facilities
Jamallah Hammal, WINS Best Practices: Human Reliability & Internal Threats
- 12:30 p.m. **Lunch with Guest Speaker – Rose Gottemoeller, Assistant Secretary of State for Verification, Compliance, and Implementation (Invited)**
- 1:30 p.m. **Session III Nuclear Security Threats Working Group – Chair, Melanie May (DOE)**
Do domestic institutions and cultural, social, and legal traditions impact our thinking on the insider?
What is the impact of the insider on nonproliferation? On Nuclear Security?
Does the type of material make a difference? Radiological versus Nuclear and category?
What are the constraints in dealing with an insider threat?
- 3:00 p.m. **Break**
- 3:15 p.m. **Working Group Report**
- 4:00 p.m. **Session IV Nuclear Security Detection Techniques – Chair, Raymond Wolfgang (SNL)**
Agnieszka Czeszumska, UCB, Nuclear Data and Reactor Safeguards: Predicting Plutonium Production
Ryan Yee, LLNL, Active Interrogation: Delayed Gamma and NRF Measurements
Brian Boyer, LANL, Safeguards, Safety, and Security
- 5:00 p.m. **Workshop Day Closeout**

- 8:00 a.m. **Check-in with Continental Breakfast**
- 8:30 a.m. **Opening Remarks and Review of Yesterday's Results – Ruth Duggan (SNL)**
- 8:45 a.m. **Session V – Chair, Joyce Connery (DOE)**
Nuclear Security Best Practices - An Industry Perspective
Matthew Bunn, Harvard
Brad Chamberlain, Areva
William Claycomb, CERT
Steve Colo, SAIC
Jack Edlow, Edlow International Company
Joseph Stainback, Y-12 National Security Complex
- 10:15 a.m. **Break**
- 10:30 a.m. **Session VI – Chair, Galya Balatsky (LANL)**
Nuclear Security Best Practices – An International Perspective
Kamal Jarbra Araj, Jordan
Thomas Jonter, Sweden, Creating a European Nuclear Security Research Network
Evgeny Kapitanov, VNIIA, Russia
Jude Egan, Building Durable Public Trust after Fukushima Dai-ichi
- 12:00 p.m. **Networking Lunch and Poster Session**
Raymond Wolfgang, SNL, Enhanced Nuclear Detonation Safety
Chantell Murphy, LANL, Safeguards Technology and Recent Efforts
Perry Chodash, UCB, Enrichment Technologies
Henrik Hiim, Oslo University, The Nuclear Programs of Iran and China
- 1:30 p.m. **Session VII Working Group – Chair, Melanie May and Ruth Duggan**
Case Studies – Nuclear Security Threats from the Insider
Do insider objectives and motivations make a difference in how we should address insider threat?
Are there gaps in approaches for preventing, detecting, and responding to the insider threat?
What are the priorities?
- 3:00 p.m. **Break**
- 3:15 p.m. **Session VIII – Chair, Ruth Duggan (SNL)**
Working Groups to Put it All Together – Issues/Challenges → Possible Solutions
- 4:15 p.m. **Session IX – Ruth Duggan (SNL)**
Large Group Activity to Prioritize Recommendations
- 5:00 p.m. **Closing Remarks and Workshop Closeout**