

2019 PONI WINTER CONFERENCE AGENDA CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES

Wednesday, December 11, 2019

8:30 CONFERENCE CHECK-IN

9:00 CONFERENCE WELCOME

Rebecca Hersman, Director, Project on Nuclear Issues and Senior Adviser, International Security Program, Center for Strategic and International Studies

9:10 Opening Keynote

Honorable Rose Gottemoeller, Former Deputy Secretary General of NATO

Moderator: Rebecca Hersman, Director, Project on Nuclear Issues and Senior Adviser, International Security Program, Center for Strategic and International Studies

10:00 PANEL 1: BRAVE NEW WORLD – EMERGING TECHNOLOGIES AND STRATEGIC GOALS

Panel Moderator: Sarah Gonzalez, International Affairs Analyst, Committee on Foreign Investment in the United States (CFIUS) Office of International Affairs, IA-61 U.S. Department of Energy

Artificial Intelligence and Strategic Stability: Implications for Nuclear Security, Deterrence, and Escalation in Future Warfare

Dr. James Johnson, Postdoctoral Research Fellow, The James Martin Center for Nonproliferation Studies

Artificial Intelligence and Nuclear Crisis Stability

Marshall Foster, Cadet, United States Air Force Academy

Applying Lessons Learned from Nuclear Material Management to Dual-Use Emerging Technologies

Matthew Keskula, Master's Candidate, University of Maryland School of Public Policy
Lindsay Rand, PhD Student, University of Maryland School of Public Policy

Hypersonic Weapons: Tactical Uses and Strategic Goals

Alan Cummings, Master's Candidate, The Fletcher School of Law and Diplomacy

11:40 LUNCH

12:00 Keynote

Under Secretary of Defense for Acquisition and Sustainment, Honorable Ellen Lord, Department of Defense

Moderator: Rebecca Hersman, Director, Project on Nuclear Issues and Senior Adviser, International Security Program, Center for Strategic and International Studies

1:20 PANEL 2: SEEING IS BELIEVING – THE ROLE OF PERCEPTION ON SECURITY CONCERNS

Panel Moderator: Paige Gasser, Lawrence Livermore National Laboratory

A Case for Understanding Public Nuclear Knowledge

Jamie Kwong, PhD Candidate, King's College London

Threats to Pakistan's Nuclear Weapons: Myth or Reality

Dr. Tahir Azad, Postdoctoral Fellow, School of Politics and International Relations, University of Leicester

OSINT Ethics: Application in the Nuclear Landscape

Catherine Haslam, PhD Candidate and Researcher, Centre for Science and Security Studies, King's College London

An Analysis of Algerian Missile Arsenals: What OSINT Can Tell Us About Missile Proliferation in the Middle East

Agnieszka Krotzer, Research Intern, The James Martin Center for Nonproliferation Studies

3:00 BREAK

3:15 PANEL 3: DETERRENCE THEORY – ENSURING A CREDIBLE DETERRENT

Panel Moderator: Rachel Webb, Management Analyst, Headquarters Air Force, Directorate for Strategic Deterrence and Nuclear Integration

India and Pakistan's Offensive Nuclear Relationship

Seap Bhardwaj, Student at The University of Wisconsin- Madison; Intern The Office of Congressman Bryan Steil (WI-01)

Fourth Generation Nuclear Weapons; Challenges to Arms Control and Deterrence Paradigms

MAJ Lorin D. Veigas, Nuclear Operations and Counterproliferation Officer, Air Force Institute of Technology

The Opportunity for Conventional Deterrence Against Limited Nuclear Aggression in the 21st Century

Dominic Law, MSci International Relations Graduate, The University of Nottingham, United Kingdom

Securing Economic Ties: Assessing the Extended Nuclear Deterrent



Sooyeon Kang, Pre-doctoral Fellow, Carr Center for Human Rights at Harvard Kennedy School;
PhD Candidate, Josef Korbel School of International Studies at University of Denver

5:00 Closing Remarks

5:15 Reception