

Short Course on
Nuclear Weapon and Related Security Issues

American Physical Society's Forum on Physics/Society, GWU Elliott School, FAS, AAPT

April 21-22, 2017 (Friday/Saturday, GWU, 1957 E St., NW, DC, room 602)
George Washington University, Elliott School of International Affairs, Washington, DC

Information/registration at <http://www.aps.org/units/fps/meetings/nucwpiissues/>.
Questions, contact dhafemei@calpoly.edu. (4/14)

I. Strategic Nuclear Weapons (Friday, Lindner Commons, room 602)

- 8:30-9 AM **Registration**
- 9:00 **Keynote: *Future of US/Russian Arms Control***: Steven Pifer (Brookings)
- 9:40 ***US Nuclear Strategy Toward China***: Charles Glaser (GWU)
- 10:20 ***Alert Status of Nuclear Weapons***: Hans Kristensen (FAS)
- 11:00 **Coffee**
- 11:20 ***Nuclear Modernization***: Amy Woolf (CRS)
- 12:00 ***Global Strike Hypersonic Weapons***: Mark Lewis (IDA)
- 12:40 ***Nuclear Warhead Verification***: Alex Glaser (Princeton)

- 1:20 **Luncheon Speaker: *Richard Garwin's Biography***: Joel Shurkin (shared Pulitzer).

II. Multilateral Arms Control

- 2:00 ***NAS Nuclear Test-Ban Studies***: Raymond Jeanloz (UC-Berkeley)
- 2:40 ***CTBT On-Site Inspections***: Edward Ifft (Georgetown)
- 3:20 ***Control of Conventional Arms***: Rachel Stohl (Stimson)
- 4:00 **Coffee**
- 4:20 ***Space Weapon Technology and Policy***: Theresa Hitchens (U. Maryland)
- 5:00 ***BMD Effectiveness***: George Lewis (Cornell)
- 5:40 ***CW/BW Arms Control***: Robert Mikulak/Mallory Stewart (former OPCW)

III. Nuclear Proliferation (Saturday)

- 9:00 ***North Korea's Nuclear Program***: David Albright (ISIS)
- 9:40 ***Joint Plan of Action with Iran***: George Perkovich (CEIP)
- 10:20 ***Future of NPT, Measures to Reduce Nuclear Dangers***: Daryl Kimball (ACA)
- 11:00 **Coffee**
- 11:20 ***Role of Safeguards to Ensure Compliance***: Leonard "Sandy" Spector (MIIS/DC)
- 12:00 ***Quadripartite ABACC; A Model for Others***: Togzhan Kassenova (CEIP)
- 12:40 ***Further Proliferation from Nuclear Power Infrastructure***: Sharon Squassoni (CSIS)

- 1:20 **Lunch**

IV. Terrorism

- 2:00 ***Nuclear Terrorism – Threat or Not***: Miles Pomper (MIIS/DC)
- 2:40 ***Technologies to Counter Aviation Security Threats***: Stephen Karoly (TSA)
- 3:20 **Coffee**
- 3:40 ***Drone Warfare***: Hugh Gusterson (GWU)
- 4:20 ***Countering Nuclear Terrorism with Technology***: Mike Carter (LLNL)
- 5:00 ***Summary of Countering Terrorist Threats***: Tony Fainberg (former DHS)