

**Institute of Political Studies at the Charles University,
Prague Security Studies Institute, American Center and Faculty of Electrical
Engineering, Czech Technical University in Prague**



Invite you to three public guest lectures within the Master's Degree course entitled
"Space Security in the 21st Century"
on the topic of:

SPACE SECURITY



Nahum Melamed, November 4, 2015, 17.00

- **NEO program at The Aerospace Corporation and the Planetary Defense Endeavor (via videoconference)**

The lecture will introduce the Planetary Defense from Near Earth Objects, an emerging topic in the space security field which received increased attention in February 2013 when a meteor exploded over the Russian city of Chelyabinsk. It was the largest airburst on the planet since 1908. This event spurred the international community to pursue this forward-looking Earth defense initiative in order not to miss similar occurrences in the future, as well as better prepare for them.

Mr. Malamed is Project Leader at The Aerospace Corporation, studying how to defend Earth from oncoming asteroids and comets, as well as the issue of space debris mitigation. Dr. Melamed received his B.S. and M.S in Aerospace Engineering from the Technion, Israel, and his Ph.D. in Aerospace Engineering from Georgia Tech, Atlanta.

The lecture will take place at the **Faculty of Social Sciences**, U Kříže 8, Prague - Jinonice, room n. 3019. **No registration is required.**



Attila Matas, December 2, 2015, 17:00

- **Orbit/Spectrum Regulation - ITU International Regulatory Framework**

This lecture will introduce the key issues discussed at the latest World Radiocommunication Conference (WRC-15). It will examine the legal regime governing the use of the radiofrequency spectrum and orbital slots. Specifically, it will review the principles and regulations governing frequency spectrum allocations, the rights and obligations of the ITU Member States related to obtaining access to the spectrum/orbits, and international recognition of these rights. The lecture will also describe challenges related to ensuring efficient, rational and cost-effective utilization of the orbit and spectrum resources.

Mr. Matas serves as Head of the Space Publications and Registration Division in the ITU Radiocommunication Bureau - Space Services department. He is responsible for the processing and publication of GSO and non-GSO space systems and Earth stations submitted by administrations for inclusion in the formal coordination procedures or recording in the Space Master International Frequency Register (SMIFR).

The lecture will take place at the **American Center**, Trziste 13, Prague 1. Please register by November 25 at acprague@state.gov with subject line: Space Security.



Dr. Peter L. Hays, December 09, 2015 17:00

- **Space and National Security: Opportunities and Challenges (via videoconference)**

Space assets are essential to the effective functioning of the U.S. military. The lecture will examine the link between space and national security, as well as the implications of the increasingly robust counterspace capabilities of certain space-faring nations. It will likewise review other issues relevant to the U.S. strategy, policy and management of the national security uses of space.

Dr. Hays works for Falcon Research supporting the Principle Department of Defense Space Advisor. He helps lead development and implementation of space policy and strategy initiatives. Dr. Hays holds a Ph.D. from the Fletcher School of Law and Diplomacy at the Tufts University and was an honor graduate of the USAF Academy. He currently teaches at George Washington University, served internships at the White House Office of Science and Technology Policy and National Space Council. He previously taught at the USAF Academy, School of Advanced Airpower Studies, and National Defense University.

The lecture will take place at the **American Center**, Trziste 13, Prague 1. Please register by December 02 at **acprague@state.gov** with subject line: Space Security.

To learn more about the course and PSSI's Space Security Program, please visit PSSI's website: <http://www.pssi.cz/space-security-program>