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Eisenhower Center Program Summaries

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Space Situational Awareness Workshop

Summer Space Seminar

Asia, Space, and Strategy Workshop

National Space Forum

Transatlantic Space Cooperation Workshop

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Compiled by Eligar Sadeh

Space Situational Awareness Workshop

The goal of the Space Situational Awareness (SSA) Workshop is to bring together stakeholders interested in space situational awareness. This includes practitioners, users of data, representatives of industry and the military, the scientific community, international organizations, and the satellite-tracking community. These stakeholders discuss how needs are changing with SSA, what improvements in SSA capabilities can be achieved in the near-term to medium-term, and how various stakeholder communities might better interact to draw on each other's strengths.

The first workshop was held in 2006. It was co-sponsored by the World Security Institute's Center for Defense Information. A workshop report can be found at: http://www.cdi.org/PDFs/SSAConference_screen.pdf.

The second workshop was hosted by Inmarsat in 2007 and was co-sponsored by the World Security Institute's Center for Defense Information and the Secure World Foundation. A summary of the discussions that took place at the workshop held in 2007 was published in *Space and Defense 2: 1* (2008).

The third workshop was held in 2009. This workshop was hosted by Intelsat and was co-sponsored by the World Security Institute's Center for Defense Information, the Secure World Foundation, and the George C. Marshall Institute. A summary of the 2009 workshop was published in *Space and Defense 3: 2* (Winter 2009).

Areas of focus at the 2009 workshop included:

- National and international perspectives on SSA.
- Challenges of the space environment.
- Governance issues related to safe and responsible behavior in the space environment.
- State of SSA data sharing and the U.S. Commercial and Foreign Entities (CFE) Program.
- Concepts and capabilities for improved SSA data sharing.
- New opportunities in SSA.

Summer Space Seminar

The Eisenhower Center for Space and Defense Studies organizes the Summer Space Seminar to advance two principal goals: (1) to foster an education and interest in the interdisciplinary areas of space with the intent to develop space professionals; and (2) to develop a network of relations across civil, commercial, and military space professionals that will likely emerge from the participants. The first Summer Space Seminar was held in 2007.

This seminar exposes participants to the breadth and depth of space activities in the civil, commercial, and military areas. The relationships among these areas are explored across a number of perspectives – participants are exposed to the technology and science of space activities, followed by discussions on the political, legal, economic, and social aspects that influence the development and application of the various civil, commercial, and military space activities. The emphasis is on exchanges among the participants.

The Summer Space Seminar is directed toward bringing together a broad group of future space professionals to lay a foundation for a future space policy community in the military, civilian government, and private sectors. Participants in the program include students from the U.S. Air Force Academy, U.S. Naval Academy, U.S. Military Academy, George Washington University, and the Massachusetts Institute of Technology.

The seminar serves as a useful forum for further professional development given that several of the participants worked, or are currently employed, as space professionals. During the seminar, a great deal of learning and socialization takes place among the participants to meet the goal to inform and to build connections between future space professionals.

Asia, Space, and Strategy Workshop

In 2006, the Eisenhower Center for Space and Defense Studies held its first Asia, Space, and Strategy Workshop. This effort brought together U.S., Canadian, and European experts and policy makers from the military, civilian government, universities, think-tanks, and private sectors to discuss the implications of current and future Chinese space policy and to investigate areas of possible Sino-U.S. cooperation in space. Beginning in 2007, an invitation was extended to include Chinese academics in the discussions. Chinese participation has increased each year since then, with four attendees from China at the 2009 workshop in Vancouver, Canada.

The fourth workshop of 2009 was broadened to include other space powers in the Asia-Pacific region. For the first time in the workshop series, representatives from Australia and Japan took part. The workshop focused on common interests that spacefaring

countries of the Pacific Basin have in the creation of a stable, predictable, and mutually beneficial environment in space. Workshop topics in 2009 ranged from: economic and political goals for the use of space; improving the safety and stability of the space environment; deterrence and defense concepts; and arms control and verification. A summary of the 2009 workshop was published in *Space and Defense* 3: 2 (Winter 2009).

National Space Forum

The Eisenhower Center for Space and Defense Studies organized and held its fourth annual National Space Forum from 1-2 September 2009 in Washington, DC. Panels at the Forum discussed security issues and space.

Specific topics of discussion included:

- An assessment of security challenges and threats in the space domain.
- The role of space deterrence in national policy.
- The potential for new approaches to arms control and verification.
- The improvement of international cooperation with allies in Asia and Europe.
- The role that China plays in space.
- The implementation of national space policy in the Obama Administration.

The Forum concluded with discussions on how to integrate often competing interests into a more cohesive policy and, more importantly, to improve the chances that such a policy can be effectively implemented. Forum panels represented a number of points of view from security, civil, and commercial space. Proceedings of the National Space Forum 2009 were published in *Space and Defense* 3: 2 (Winter 2009).

Transatlantic Space Cooperation Workshop

In 2008, the Eisenhower Center for Space and Defense Studies established the Transatlantic Space Cooperation Workshop. This workshop series brings together a community of scholars and experts from the United States and Europe, including the European Union (EU), European Space Agency (ESA), and NATO, to share lessons learned, debate, and network on joint priorities in civil, security, and commercial space.

The first workshop was held in Brussels, Belgium in June 2008. Participants in this workshop examined U.S., European, and EU security space priorities and considered NATO's space role. Discussions began with an opening panel where senior U.S., EU, and NATO officials briefed participants on current security space priorities before participants explored issues more in-depth. The goal of the workshop was to educate senior leadership from the U.S., EU, and NATO on philosophies and strategies for collective space security and deterrence in the 21st Century. The workshop was successful in initiating dialogue on harmonizing transatlantic security space strategies.

The second workshop was held in Berlin, Germany during September 2009. The 2009 workshop fostered dialogue regarding the potential for greater cooperation across the Atlantic to make the most efficient use of capabilities where possible across civil, security, and commercial space. A summary of the 2009 workshop was published in *Space and Defense* 3: 2 (Winter 2009).

Issues discussed at the 2009 workshop included:

- Developments over the past year in transatlantic space cooperation.

- Joint priorities in protection of critical space infrastructure.
- Transatlantic cooperation on Earth observations for security and stability.
- Future avenues for advancing transatlantic cooperation.

