

Space Situational Awareness Workshop: Perspectives on the Future Directions for Korea

January 24 – 25, 2019

The K Hotel, Seoul, South Korea

Day 1 – Thursday, January 24, 2019

09:00-10:00 **Registration**

10:00 Opening & Welcome

Sang-Ryool Lee, Vice President, Korea Aerospace Research Institute (KARI)

Won-ho Choi, Director General, Space, Nuclear and Big Science Policy Bureau, Ministry of Science and ICT (MSIT)

Tong-q Lee, Deputy Director General, Climate Change, Energy, Environment and Scientific Affairs Bureau, Ministry of Foreign Affairs (MOFA)

10:20 Workshop Overview & Intro to SSA

Brian Weeden, Director of Program Planning, Secure World Foundation (SWF)

Presentation

Session I Emerging Trends in SSA - Needs / Challenges

(10:30 - 11:50)

20 min *Space debris/environment overview* - Benjamin Bastida Virgili, Space Debris Engineer, Space Debris Office, European Space Agency (ESA)

20 min *Emerging trends (smallsats, large constellations, RPO)* - Ian Christensen, Director of Private Sector Programs, Secure World Foundation (SWF)

20 min *National security space trends* - Brian Weeden, Director of Program Planning, Secure World Foundation (SWF)

30 min **Q&A / Discussion with Presenters**

11:50 Group Photo

12:00 – 13:00 Lunch Break

Presentation Session II (13:00 - 15:40)	SSA Policies & Capabilities – International
20 min	<i>United States</i> - Dr. Brian Weeden, Secure World Foundation (SWF)
20 min	<i>Europe/Poland</i> - Margaret Polkowska, Professor, University of War Studies(UWS)
20 min	<i>Japan</i> - Susumu Yoshitomi, Executive Director, Japan Space Forum(JSF)
20 min	<i>India</i> - Mrunalini Deshpande, Senior Research Fellow, International Strategic and Security Studies, National Institute of Advanced Studies (NAIS)
20 min	<i>Australia</i> - James Bennett, Space Environment Research Center (SERC)
20 min	<i>Commercial</i> - Ian Christensen, Secure World Foundation (SWF)
20 min	<i>Academia/Scientific</i> - Brandon Jones, Professor, University of Texas at Austin (UT Austin)
20 min	Q&A/Discussions with Presenters
15:50 – 16:20	Break
Presentation Session III (16:20 - 18:20)	SSA Policies & Capabilities – Korea
10 min	<i>Civil SSA Policy</i> - In-suk Jang, Director, Space, Nuclear and Big Science Policy Division, MSIT
20 min	<i>Defense SSA Policy / Air Force Activities</i> - Soung Sub Lee, Division Chief, Space Development Division, ROK Air Force
20 min	<i>Activities at NSSAO (National Space Situational Awareness Organization)</i> – Sungi Choi, Manager, Space Hazard Program Office, Center for SSA, Korea Astronomy and Space Science Institute (KASI)
20 min	<i>Activities at KARI (Korea Aerospace Research Institute)</i> – Daewon Chung, Director, Mission Operation and Infrastructure Service Division, KARI
20 min	<i>Academic/Scientific</i> - Han-Lim Choi, Professor, Department of Aerospace Engineering, Korea Advanced Institute of Science and Technology (KAIST)
10 min	<i>National Radio Research Agency (RRA) / Korean Space Weather Center (KSWC)</i> - Jangsuk Choi, Researcher, RRA, KSWC
30 min	Q&A/Discussion with Presenters
18:30	Close
18:30~	Dinner

Day 2 – Friday January 25, 2019

Session IV Panel Discussion: SSA and National Security Challenges

(10:00 - 10:50)

Moderator: Victoria Samson, Secure World Foundation

Panelists: Susumu Yoshitomi, Japan Space Forum

Josef Koller, Aerospace Corporation

Margaret Polkowska, University of War Studies

Joonkoo Yoo, Korea National Diplomatic Academy

Session V Panel Session: Towards Greater SSA Data Sharing

(10:50 - 11:40)

Moderator: Brian Weeden, SWF

Panelists: Brandon Jones, UT Austin

James Bennett, SERC

Benjamin Bastida Virgili, ESA

Sungi Choi, KASI

11:40 - 12:00 Group poll on priorities and options for Korean SSA Programme

12:00 - 13:00 Lunch Break

Presentation Session VI - Possible Future Models for Space Traffic Management

(13:00 – 13:30) Presenter: Josef Koller, System Director, Center for Space Policy and Strategy, Aerospace Corporation

20 min

10 min **Q&A/Discussions with Presenter**

Session VII Panel Session: Options for Korea's Role in SSA

(13:30-14:30)

Moderator: *Joon Lee, Director, Policy & Cooperation Division, KARI*

Panelists: Victoria Samson, SWF

Susumu Yoshitomi, JSF

Sungi Choi, KASI

Seong Hwan Choi, Branch Chief, Space Development Division, ROK AF

Haedong Kim, Principal Researcher, KARI

14:30 – 14:40 Closing Remarks

14:40 Close