



The Space Situational Awareness Strategic Challenges for India

14 - 15 June, 2018

JRD Tata Auditorium, National Institute of Advanced Studies Bengaluru, India

Day 1 - June 14, 2018

08:00-09:00 Registration

09:00 Welcome and Introductions

Welcome – Rajaram Nagappa, NIAS Overview of SSA – Brian Weeden, SWF

09:10 - 10:10 Keynote Address

Chair: Shailesh Nayak, Director, NIAS

India Speaker: **A.S. Kiran Kumar**, Former Chairman, ISRO US Speaker: **Dana Johnson**, US Department of State

Moderated discussion

10:15 – 10:45 Break

Session I Global Politics and Its Influence on Space

Chair: Theresa Hitchens

11:00 – 11:20 An emerging country perspective on space security and sustainability

Rogel Mari Sese

11:20 – 11:40	Multilateral discussions on space: Recent successes and future goals Kazuto Suzuki
11:40 – 12:00	Challenges arising from the current international space legal framework and the rapidly evolving space domain Ranjana Kaul
12:00 – 12:30	Moderated Discussion
12:30 – 13:30	Lunch Break
Session II	Global SSA Capabilities and Data Sharing – Status and Trends Chair: Victoria Samson
13:45 – 14:05	US Perspective Brian Weeden
14:05 – 14:25	European Perspective Ralph Dinsley
14:25 – 14:45	Japanese Perspective Susumu Yoshitomi
14:45 – 15:05	Indian Perspective S.K. Shivakumar
15:05 – 15:35	Discussions
15:35 – 15:50	Break
Session III	SSA Technologies in India Chair: N.Ramani
15:50 – 16:10	Ground Telescopes for SSA – IIA Experience G.C. Anupama
16:10 – 16:30	MOTR Characteristics M. Sreenivas Babu
16:30 – 16:50	Discussion
17:00	Close

Day 2 – June 15, 2018

Session IV	Major Drivers for Improved SSA Chair: Tessy Thomas (TBC)
09:00 - 09:20	National Security Threats: Perception and Realities John Sheldon
09:20 - 09:40	Small Satellites and Large Constellations Tim Flohrer
09:40 - 10:00	Private Players in the Space Domain - Indian Perspective S. Rakesh
10:00 -10:20	Cyber Security and Satellites Alexandra Stickings
10:20 – 10:40	Discussion
10:40 - 11:00	Break
Session V	Technology Trends in SSA and Future Needs Chair: S. Chandrashekar
11:00 – 11:20	Space Weather Preparedness: A National and Global Perspective Dibyendu Nandi
11:20 – 11:40	Astrodynamics Moriba Jah
11:40 – 12:00	DRAMA and Modeling of the Space Debris Environment Tim Flohrer
12:00 – 12:20	Trends in Commercial SSA Capabilities Brian Weeden
12:20 – 12:40	Data Analysis – Monitoring and Cataloguing Software Libish Balachandran
12:40 - 13:00	Discussion
13:00 - 13:40	Lunch Break
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Session VI Panel Discussion on Global SSA efforts and Future Challenges

Moderator: Amitav Mallik

Dibyendu Nandi Theresa Hitchens

13:40 – 15:20 Victoria Samson

Kazuto Suzuki Nishant Kumar M. Matheswaran

Session VII Panel Discussion on India's Role in SSA

Moderator: M Y S Prasad

Rajeswari Rajagopalan

Ranjana Kaul

15:40 – 17:00 Anil Kumar

Ajey Lele

Karthik Krishnan

17:00 Close