



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

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**
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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**
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13:00 – 13:40 **Lunch Break**

Session VI Panel Discussion on Global SSA efforts and Future Challenges

13:40 – 15:20 **Moderator: Amitav Mallik**
Dibyendu Nandi
Theresa Hitchens
Victoria Samson
Kazuto Suzuki
Nishant Kumar
M. Matheswaran

Session VII Panel Discussion on India's Role in SSA

15:40 – 17:00 **Moderator: M Y S Prasad**
Rajeswari Rajagopalan
Ranjana Kaul
Anil Kumar
Ajey Lele
Karthik Krishnan

17:00 Close