

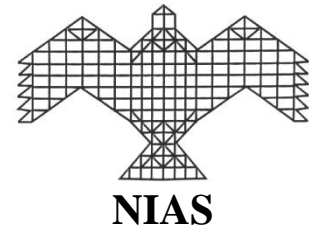
**India-US Cooperation on Global Security**  
**Dialogue on Strategic Security Threats of the 21st Century**

**OCTOBER 5, 2016**

- 9:30 – 10:00**      **Opening Remarks**
- Baldev Raj, Director, NIAS
  - Raymond Jeanloz, Chair, CISAC
- 10:00– 11:00**      **Keynote Address:** M. Annadurai, Director, ISAC
- 11:00 – 11:30**      **Coffee Break**

**Theme: Space Security**

- Session I**      **The Space Security Environment: Emerging space technologies and their implications for space security**  
*Session Chair: V. Siddhartha*
- 11:30 – 12:00**      NIAS Speaker: B. N. Suresh, ISRO
- 12:00 – 12:30**      CISAC Speaker: Christopher Stubbs, Harvard University
- 12:30 – 13:00**      Discussion
- 13:00 – 14:00**      **Lunch**



**Session II**                      ***Space commerce: Changing patterns***  
*Session Chair: Raymond Jeanloz*

14:00 – 14:30                      NIAS Speaker: Y. S. Rajan, Former ISRO, DST, CII  
Co- Speaker: S. Chandrashekar, JRD Tata Chair Professor, NIAS

14:30 – 15:00                      CISAC Speaker: Michael Gold, SSL

15:00 – 15:30                      Discussion

**15:30 – 16:00**                      **Coffee Break**

**Session III**                      **Legal and Ethical Issues**  
*Session Chair: Capt. Nishant Kumar*

16:00 – 16:30                      NIAS Speaker: Sandeepa Bhat, NUJS

16:30 – 17:00                      CISAC Speaker: Michael Gold, SSL

17:00 – 17:30                      Discussion

**19:30**                                      ***Dinner***

**OCTOBER 6, 2016**

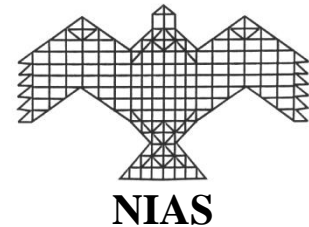
**Theme: Space Security (Continued)**

**Session IV**                      **Space Cooperation – SSA and other opportunities**  
*Session Chair: P. S. Goel*

9:00 – 9:20                              NIAS Speaker: M. Matheswaran, Reliance Defence

9:20 – 9:40                              CISAC Speaker: Christopher Stubbs, Harvard University

9:40 – 10:00                              Discussion



**10:00 – 10:30**      **Coffee Break**

**Theme: Cyber Security**

**Session V**                      **The Cyberspace Security Environment**  
*Session Chair: R. B. Grover*

10:30 – 11:00              NIAS Speaker: Suresh Babu, BARC

11:00 – 11:30              CISAC Speaker: Herbert Lin, Stanford University

11:30 – 12:00              Discussion

**Session VI**                      **Strategic threats from cyber-attacks and vulnerabilities**  
*Session Chair: N. Balakrishnan*

12:00 – 12:30              NIAS Speaker: Dr. Sanjay Bahl, D-G, ICERT

12:30 – 13:00              CISAC Speaker: Herbert Lin, Stanford University

13:00 – 13:30              Discussion

**13:30 – 14:30**              **Lunch Break**

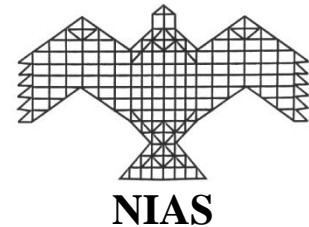
**Session VII**                      **Promoting secure cyber practices and resilience**  
*Session Chair: Marvin Adams*

14:30 – 15:00              NIAS Speaker: Gigi Joseph, BARC

15:00 – 15:30              NIAS Speaker: Rajiv Chetwani, Director, ISPO

15:30 – 16:00              Discussion

**16:00 – 16:30**              **Coffee Break**



**Session VIII**                      **Cooperation Opportunities in the cyber sphere**  
*Session Chair: C.E.Veni Madhavan*

16:30 – 17:00                      NIAS Speaker: Gulshan Rai, NCSC

17:00 – 17:30                      CISAC Speaker: Micah Lowenthal, NAS

17:30 – 18:00                      Discussion

**19:00 – 20:30**                      ***Dinner Meeting***  
Speaker: Matthew Bunn, Harvard University

***Topic: Evolving Opportunities for Cooperation in Nuclear Security***

**OCTOBER 7, 2016**

**Theme: Nuclear Safety**

**9:45 – 10:00**                      **Introductory Remarks** by Baldev Raj

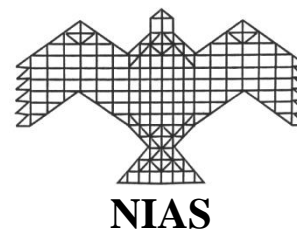
**10:00 – 11:00**                      **Keynote Address:** S.A. Bhardwaj Chairman AERB

**Topic: A Perspective on Nuclear Safety and Security in India**

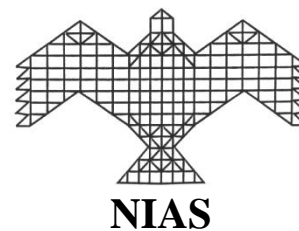
**11:00 – 11:30**                      **Coffee Break**

# THE NATIONAL ACADEMIES

*Advisers to the Nation on Science, Engineering, and Medicine*



<b>Session IX</b>	<b>Opportunities to Enhance Nuclear Security Cooperation Since the 2012 NIAS-CISAC Workshop</b> <i>Session Chair: Christopher Stubbs</i>
11:30 – 12:00	NIAS Speaker: R. B. Grover, HBNI
12:00 – 12:30	CISAC Speaker: Raymond Jeanloz, University of California, Berkeley
12:30 – 13:00	Discussion
<b>13:00 – 14:00</b>	<b>Lunch Break</b>
<b>Session X</b>	<b>Principles to Guide Nuclear Safety Design, Assessment, Management, and Regulation</b> <i>Session Chair: A. R. Sundararajan</i>
14:00 – 14:30	NIAS Speakers: S. K. Chande, former Vice Chairman AERB
14:30 – 15:00	CISAC Speakers: Marvin Adams, Texas A&M University
15:00 – 15:30	Discussion
<b>15:30 – 16:00</b>	<b>Coffee Break</b>
<b>Session XI</b>	<b>Principles to Guide Nuclear Safety Design, Assessment, Management, and Regulation (continued)</b> <i>Session Chair: A. R. Sundararajan</i>
16:00 – 16:30	NIAS Speaker: G. P. Srivastava, former CMD, ECIL
16:30 – 17:00	CISAC Speaker: Kimberly Budil, University of California
17:00 – 17:30	Discussion
<b>17:30 – 18:30</b>	<b>Wrap Up Session</b>



**OCTOBER 8, 2016**

**Visit to ISRO deep Space Tracking Network at Bylalu**