Lunar Interoperability Forum

7 May 2024

The Indian Treaty Room
East Wing of the Eisenhower Executive Office Building
White House, Washington DC

Bringing together members of the lunar exploration community to discuss drivers, opportunities, and means to foster development of secure interoperable communications and navigation systems.

Overall Agenda

- **8:00 AM**   **Check in**

- **8:30 AM**   **Welcome by Forum Chair: Sami Asmar**

  TBD VIPs from White House, Dept. of Commerce, NASA

- **9:00 AM**   **Keynote talks by Vint Cert**

- **10:00 AM**   **Panel 1: Space Agencies**

- **11:15 AM**   **Panel 2: CCSDS Engineering Steering Group**

- **12:30 PM**   **Lunch**

- **1:00 PM**   **Panel 3: Industry & Academia**

- **2:20 PM**   **Discussions & Concluding Remarks**

- **3:00 PM**   **Exit building**

Panel 1: Space Agencies
Chair: S. W. Asmar

- **NASA**
  - **Jim Schier: "Cislunar Infrastructure: The Convergence of Architecture, Governance, and Interoperability"**
- **JAXA**
  - **Masaya Murata: "Japan Lunar Navigation Satellite System and Its Contribution Towards Lunar Augmented Navigation Service"**
- **ESA**
  - **Karsten Thorben: "The Lunar Pathfinder Project" ?**
- **CNES**
  - **Jean-Luc Issler "CCSDS frequency band recommendations related to lunar in-situ 3GPP 5G, WIFI and PNT"**

Panel 2: CCSDS Engineering Steering Group
Chair: K.-J. Schulz
Deputy: T. Pham

- **System Engineering Area, Peter Shames**

- **Space Link Services, Ignacio Aguilar Sánchez**

- **Space Internetworking Services Area, Ivica "Vinny" Ristovski**

- **Cross Support Services Area, Erik Barkley**

- **Mission Operations and Information Management Services Area, Daniel Fischer**

- **Spacecraft Onboard Interface Services Area, Jonathan Wilmot**

Panel 3: Industry & Academia
Chair: TBD

- **Marshall Eubanks (Space Initiatives Inc.)**
  - **The new lunar position, navigation and timing reference system**

- **Alberto Montilla (Spatiam Corp.)**
  - **Building DTN capabilities in LunaNet Service Provider Networks**

- **SSTL**
  - **TBD**

- **Telespazio**
  - **TBD**

- **Farzana Khatri (MIT Lincoln Lab)**
  - **Lunar Optical Communications**

- **Peter Shames (Jet Propulsion Laboratory)**
  - **Challenges for secure interoperability at the Moon**