

As of 5-21-17

**Thursday, May 25**

**Training for the Stars**  
7:00 am - 7:45 am

**Hotel Fitness Center**  
Total Body Strength Training with Fitness Coach Laura Clancy

**ISDC Registration**  
8:30 am - 9:00 pm

**Depot Registration Office**

**Student Services**  
8:00 am - 7:00 pm

**Depot Registration Office**

**8:30 am - 4:30 pm**

**Tours** (depart from and return to Union Station at different times)

**9:00 am - 12:00 noon**

**Morning Tracks**

**METI**

- 9:00 am Introduction - Detectability. Douglas Vakoch (METI International)
- 9:10 am How Detectable is Earth Life to Hypothetical Remote Observers? James F. Kasting (Penn State University)
- 9:45 am Eavesdropping on Howard Stern: Factors in the Detection and Interpretation of our Wireless Communications at Interstellar Distances. David Messerschmitt (University of California at Berkeley)
- 10:20 am Coffee Break
- 10:50 am The Dangers in Doing SETI and in Not Doing METI. Lucianne Walkowicz (Adler Planetarium)
- 11:25 am The Interstellar Beacon: A Plan for Backing up Earth. William Kitchen (Interstellar Beacon.org)

**Space Solar Power**

**Grand Ballroom B**

- Bringing the Future Forward, What Can and Are We Doing Now to Retire Real and Perceived Risks**
- 9:00 am Opening Remarks. Gary Barnhard (XISP) and John C. Mankins (Mankins Space Systems)
- 9:15 am ISS Space-to-Space Power Beaming TD3 Mission. Gary Barnhard (XISP)
- 10:00 am Space Solar Power Demonstration to Deployment. John C. Mankins (Mankins Space Systems)
- 10:45 am Microwave Sources & Rectenna Opportunities. Hooman Kazemi (Raytheon)
- 11:30 am Wireless Power/Energy Analysis Tool with User Interface. Corey Bergsrud (Naval Surface Warfare Center)

**Student Orientation**  
9:00 am - 10:00 am

**Midway Suite III**  
NextGen Students

**12:00 noon - 2:00 pm**

**Lunch** (on your own)

**NSS Meeting**  
12:00 noon - 2:00 pm

**Midway Suite II**  
Lunar Tiger Team Meeting with Bruce Pittman

**1:30 pm - 6:00 pm**

**Afternoon Tracks**

**METI**

- Grand Ballroom A**
- 1:30 pm METI: Is an Asilomar Process Possible? Steven J. Dick (NASA History Office)
- 2:05 pm Active SETI or Cultural Imperialism? John W. Traphagan (University of Texas at Austin)
- 2:40 pm METI and the Danger of Scientific Paternalism. Dr. Kelly C. Smith (Clemson University)
- 3:15 pm Coffee Break
- 3:45 pm Hello Universe. Mark Lupisella (NASA Goddard)
- 4:20 pm The Affect Heuristic and Judgments about Risks and Benefits Posed by METI and SETI. Adam Korbitz (CeleJure Consulting)
- 4:55 pm Conclusion

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**Back to the Moon**

- 2:00 pm Return to the Moon: NSS Introduction Rob Kelso (Kelso Aerospace and National Space Society Board of Directors)
- 2:20 pm Private Space Sector: "And" Not "Or." Dr. Greg Autry (University of Southern California)
- 2:40 pm Google Lunar X Prize Overview. Bruce Pittman (NASA Ames Space Portal)
- 3:00 pm Lunar COTS. Dr. Allison Zuniga (NASA Ames Space Portal)
- 3:20 pm Evolving Moon to Mars Strategy. Charles Miller (NexGen Space)
- 3:40 pm Sustainable Lunar Architectures. Dennis Wingo (Skycorp)
- 4:00 pm Commercial Markets for Lunar Products and Services. Brad Blair (NewSpace Analytics)
- 4:20 pm Reinvent NASA - the Moon, Mars, and the Entrepreneurial Space Race. Howard Bloom (Space Development Steering Committee)
- 4:40 pm Panel: Public-Private Partnership for Moon Missions. Dr. Greg Autry (University of Southern California), Charles Miller (NexGen Space), Dr. Allison Zuniga (NASA Ames Space Portal), Brad Blair (NewSpace Analytics) and Dennis Wingo (Skycorp). Moderator: Bruce Pittman (NASA Ames Space Portal)

**Grand Ballroom C**

**Public-Private Partnership for Moon Missions**

**Space Solar Power**

- 1:00 pm Space Solar Power - When, Where, Who, Why and How? Darel Preble (Space Solar Power Institute)
- 1:45 pm Opportunities and Constraints for Wireless Power Transmission. Dr. Seth Potter (Independent Consultant)
- 2:30 pm Why Addressing Anthropogenic CO<sub>2</sub> and Fossil Fuel Energy Insecurity is the Key to Selling Space Solar Power. Mike Snead (Spacefaring Institute)
- 3:15 pm Creating Opportunities for Cooperation/Collaboration. Dr. Michael Swartwout (St. Louis University)
- 3:45 pm Space Solar Power Demonstration or Pilot? Thinking Outside the Envelope. Joseph Rauscher (Spacefaring Services)
- 4:15 pm A WPT Demo Plan to Achieve the Boundary Beyond Goldstone. Feng Hsu (First Sunergy)
- 4:30 pm On New Developments of Space Solar Power Station (SSPS) of China. Dr. Baoyan Duan (Xidian University)
- 5:15 pm Space Solar Power Station and Its Key Materials in China. Dr. Changhcun Ge (Beijing University of Science and Technology)

**Grand Ballroom B**

**Creating the Necessary Confluence of Interests Between Commercial and Other Entities**

**NSS Meeting**

4:00 pm - 5:00 pm

5:00 pm - 6:00 pm

**Midway Suite II**

Membership Benefits Round-table - Meeting to discuss the current state of membership benefits, review the value provided and address gaps and opportunities.

Membership Road-map - Meeting to review membership models, discuss key challenges and develop a membership model road-map aimed at membership retention and growth.

**Student Orientation**

4:00 pm - 5:00 pm

**Midway Suite III**

NextGen Students (repeat)

**Cocktail Reception**

5:30 pm - 7:00 pm

**Grand Hall** (2nd floor hotel lobby)

**Student Orientation**

6:00 pm - 7:00 pm

**Grand Ballroom DE**

Academic Processes: Maxims of Meow

Mike Mongo (*The Astronaut Instruction Manual*)

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## **Thursday, May 25**

**Movie Screening**  
7:00 pm - 9:30 pm

### **Grand Ballroom DE**

*Fight For Space* - Screening and Debate

"Why haven't we gone back to the Moon, or sent humans to Mars? Weren't we supposed to be there in the 1980s? What led to the decline of NASA's budget and why is it stuck in low Earth orbit?" Debate panel includes Pamela Gay (CosmoQuest), Paul Hildebrandt (Fight For Space Director), Rob Kelso (Kelso Aerospace and National Space Society Board of Directors), Dale Skran (National Space Society Policy Committee Chair and National Space Society Executive Vice-President), Dennis Wingo (Skycorp), and Robert Zubrin (The Mars Society). Moderator: Geoffrey Notkin (Aerolite Meteorites, Inc. and National Space Society Board of Governors)

**Student Activity**  
7:00 pm - 7:45 pm

### **Pegram**

Connecting Rocket Science Everyday (interactive session). Earl Mullins, Founder, The Space Museum, Bonne Terre, MO

**Student Activity**  
8:00 pm - 9:00 pm

### **Midway**

Networking and Get-to-Know-You Event, Janet Ivey (President & Chief Creative Officer, *Janet's Planet* and National Space Society Board of Governors)

**Student Activity**  
9:00 pm - 10:00 pm

### **Midway**

Networking