

Moon Development

As of 5-19-18

Thursday, May 24 **Laguna Room**

Lunar Development & Settlement

- 10:00 am Opening Remarks. Madhu Thangavelu (University of Southern California)
- 10:00 am We Choose to go to the Moon: Looking Beyond "Settlement." Tim Hanlon (For All Moonkind)
- 10:15 am Moon Village Precursor Activities. Dr. James D. Burke (NASA Jet Propulsion Laboratory, retired)
- 10:30 am Lunar Exploration Analysis Group: Roadmap for Lunar Prospecting. Dr. Clive Neal (University of Notre Dame)
- 10:45 am A COTS Program for the Moon. Howard Bloom (Space Development Steering Committee)

Enabling Capabilities for Lunar Exploration & Development

- 11:00 am Exploration and Potential Uses of Lunar Lava Tubes. Madhu Thangavelu (University of Southern California)
- 11:15 am TRIDENT: The Regolith and Ice Drill. Dr. Kris Zacny (Honeybee Robotics)
- 11:30 am The Next-Generation RTG Power System Study: Recommendations and Potential Use of the Technology for Lunar Development. Dr. Knut I. Oxnevad (NASA Jet Propulsion Laboratory)
- 11:45 am Optical Communications Advances: An Overview. Dr. Abhijit Biswas (NASA Jet Propulsion Laboratory)

Saturday, May 26 **Hermosa Room**

Enabling Capabilities for Lunar Development & Settlement

- 10:00 am NASA's Plans for Returning to the Moon. Dr. Christopher Moore (Advanced Exploration Systems Division, Human Exploration and Operations Mission Directorate, NASA Headquarters)
- 10:15 am Review of Lunar Reconnaissance Orbiter Results. Dr. Mark Robinson (Arizona State University)
- 10:30 am Lunar Cargo Lander. Reginald Alexander (NASA Marshall Space Flight Center)
- 10:45 am Modeling Lunar Partnerships for the NASA Emerging Space Office. Brad Blair (NewSpace Analytics)

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Lunar Economics, Missions & Markets

- 11:00 am Sustainability of a Cislunar Economy. Jim Plaxco (Chicago Society for Space Studies)
- 11:15 am International Lunar Observatory & Galaxy Forum: 10 Years On. Steve Durst (International Lunar Observatory Association)
- 11:30 am Overview of Project Moon Hut. David Goldsmith (Project Moon Hut)
- 11:45 am Post Mortem for the Google Lunar X Prize. Dr. John M. Wilkes (Worcester Polytechnic Institute)

Innovative Lunar Architectures & Concepts

- 2:00 pm NSS/NASA Ames Student Space Settlement Contest Presentation
- 2:10 pm A Sustainable Settlement on Earth's Moon. John C. Mankins (Moon Village Association)
- 2:25 pm Space Architecture Strategy for Lunar Habitats and Bases. Dr. Marc Cohen (Space Cooperative Inc.)
- 2:40 pm NSS/NASA Ames Student Space Settlement Contest Presentation

Near-Term Steps

- 2:50 pm Progress toward the Concept of a Moon Village. John C. Mankins (Moon Village Association)
- 3:05 pm ESA Studies: Moon Village Concept & Future Directions for the Moon. Dr. Bernard Foing (European Space Agency)
- 3:20 pm Moon Base Alliance Concept to Realize Lunar Analogues. Henk Rogers (Moon Base Alliance)
- 3:35 pm PTScientists: Putting Europe on the Moon. Kate Arkless Gray (PTScientists)
- 3:50 pm Lunar COTS Concept: Building an Economical and Sustainable Lunar Infrastructure to Enable Future Human Settlements. Dr. Allison Zuniga and Dan Rasky (NASA Ames Space Portal Office)
- 4:05 pm Panel: Future Directions for the Moon. Dr. Bernard Foing (European Space Agency), Mark Hopkins (National Space Society), John C. Mankins (Moon Village Association), Henk Rogers (Moon Base Alliance) and Dr. Allison Zuniga (NASA Ames Space Portal Office). Moderator: Madhu Thangavelu (University of Southern California)
- 4:45 pm Future Moon. Stan Rosen (National Space Society)
- 4:55 pm Summary Remarks. Madhu Thangavelu (University of Southern California)