



ISDC 2025 Schedule

Moon Symposium

As of 6/8/25

Thursday, June 19 Salon 17

History and Current Plans

- 10:00 am Brief History of Lunar Projects. Madhu Thangavelu (University of Southern California)
- 10:15 am A History of Lunar Cartography and Nomenclature. Jim Plaxco (Artsnova)
- 10:30 am The NASA Artemis Program. Stevan Akerley (National Space Society)
- 10:45 am Don't Skip the Moon. Art Harman (The Coalition to Save Manned Space Exploration)
- 11:00 am Property Rights on the Moon: Between International Law and National Claims. Dr. Sheer Abbas (University of Sharjah, UAE)
- 11:15 am Panel: History of Lunar Projects and Where We Are. Dr. Greg Autry (University of Central Florida), Stevan Akerley (National Space Society), Jim Plaxco (Artsnova), Dr. Pascal Lee (SETI Institute), Art Harman (The Coalition to Save Manned Space Exploration), Dr. Thomas Matula (Sul Ross State University), Bruce Pittman (Spacebilt Inc.), Howard Bloom (Space Development Steering Committee), Hoyt Davidson (Near Earth LLC), Kwame Newton (Harvard University), Mark Henley (Boeing, retired) and Rod Pyle (Ad Astra Magazine, National Space Society). Moderator: Madhu Thangavelu (University of Southern California)

12:00 noon END

Technologies for Lunar Return

- 2:00 pm Strategies and Technologies for Lunar Return. Dr. Pascal Lee (SETI Institute, Mars Institute and Haughton-Mars Project at NASA Ames Research Center)
- 2:15 pm The Lunar Power Company - Nuclear and Solar Grid for Reliable Power to Government and Commercial Customers. Dr. Christopher Morrison (Space Nuclear Power Corporation)
- 2:30 pm Electric Engine for Cislunar Transport. Gregory Harrison (Gravitronics, LLC)
- 2:45 pm (tbd)
- 3:00 pm AI Revolution in Spacecraft Design & Operations. Dr. James Peters (NASA)
- 3:15 pm NSS Student Space Settlement Contest Presentation
- 3:30 pm ILEWG Lunex Highlights: Moon Missions, Data, Instruments, Field Work, Astronauts, Habitats and Business. Dr. Bernard Foing (Space Renaissance International)
- 3:45 pm Engaging the Next Generation through Virtual Reality-Based Lunar Focused Education. Manuel Pimenta (Virtual Moon, LLC)
- 4:00 pm The Impact of Crew Isolation and Lunar Simulation on Human Behavior. Sharife Gacel (Blue Marble Project)
- 4:15 pm Florida Analog Base, Mars and Lunar. Bruce MacKenzie (National Space Society)
- 4:30 pm The xEMU Factor: Your Next Generation Personal Spacesuit to Explore and Survive the Moon, Mars, and Beyond! Dr. Louis Carfagno (NASA)
- 4:45 pm How Aircraft Flight Suits played an Important Role for Cancer Research in Space. Steve and Renee Sterk (American Institute of Aeronautics and Astronautics)
- 5:00 pm Panel: Technologies for Lunar Return. Moderator: Madhu Thangavelu (University of Southern California)
- 6:00 pm END



ISDC 2025 Schedule

Moon Symposium

Sunday, June 22 Salon 13/14

Cislunar Commerce

- 10:00 am The Evolvable Lunar Architecture – 10 Years Later. Bruce Pittman (Spacebilt Inc.), Hoyt Davidson (Near Earth LLC) and David Cheurvont (National Space Society)
- 10:15 am NSS Student Space Settlement Contest Presentation
- 10:30 am Cislunar Commerce. Hoyt Davidson (Near Earth LLC)
- 10:45 am Lunar Sports - Potential Booster for Space Economy and Space Travel. Antoine Faddoul (Tony Sky Designs Group)
- 11:00 am Teaching the Art of Developing Viable Lunar Business Plans. Dr. Thomas Matula (Sul Ross State University)
- 11:15 am Can't We All Just Get Along?: The Necessity and Challenge of Public-Private Partnerships for Lunar Development. Dr. Andrew J. Aldrin (Embry-Riddle Worldwide)
- 11:30 am Panel: Cislunar Commerce. David Cheurvont (National Space Society), Hoyt Davidson, Dr. Thomas Matula (Sul Ross State University), Antoine Faddoul (Tony Sky Designs Group), Dr. Pascal Lee (SETI Institute) and Rod Pyle (National Space Society). Moderator: Bruce Pittman (Spacebilt Inc.)
- 12:00 noon END

Future Moon: Designs, International Activities and Future

- 2:00 pm Timeline for Immediate Moon Expeditions. Madhu Thangavelu (University of Southern California)
- 2:15 pm SPIDER: A Skycrane derived Concept Architecture for Subterranean Lunar Astro-Geology. Hannah Rens (University of Southern California)
- 2:30 pm Lunar Lava Tubes for Permanent Human Settlement on the Moon. David Schrunk (International Lunar Observatory Association)
- 2:45 pm Program development for Lava Tube Habitation. Gary Barnhard (Xtraordinary Innovative Space Partnerships, Inc.)
- 3:15 pm Southern Off-Polar Artemis Base Camp Site Options on the Moon. Jesus Luna (SETI Institute)
- 3:30 pm Clavius Crater, Moon: Outstanding Geology for Humans to Explore. Erin Sampson (University of Colorado Boulder)
- 3:45 pm Use of Pressurized Rovers in Support of Pit and Cave Exploration on the Moon. Apoorva Somani (United States Air Force Academy)
- 4:00 pm Panel: Lunar Lava Tube Habitation. Hannah Rens (University of Southern California), Apoorva Somani (United States Air Force Academy), Erin Sampson (University of Colorado Boulder), Dr. Pascal Lee (SETI Institute), David Schrunk (International Lunar Observatory Association) and Madhu Thangavelu (University of Southern California). Moderator Gary Barnhard (Xtraordinary Innovative Space Partnerships, Inc.)
- 4:15 pm Space Renaissance For All: Engaging Citizens For Exploration & Space SDG18. Dr. Bernard Foing (Space Renaissance International)
- 4:30 pm International Moon Day. Dr. Nasr Al-Sahhaf (International Moon Day)



ISDC 2025 Schedule

Moon Symposium

Sunday, June 22 Salon 13/14

5:00 pm (tbd)

5:15 pm Interstellar Mission Design Competition 2025. Dr. Andreas Hein (University of Luxembourg)

5:30 pm Panel: Future Moon. Isaac Arthur (National Space Society), Dr. Philip Metzger (University of Central Florida), David Schrunk (International Lunar Observatory Association), Dr. Bernard Foing (Space Renaissance International), Dr. Peter Swan (International Space Elevator Consortium), Dr. Pascal Lee (SETI Institute), Dr. Thomas Matula (Sul Ross State University), John C. Mankins (Mankins Space Technology, Inc.), Mark Henley (Boeing, retired), Howard Bloom (Space Development Steering Committee), Rod Pyle (National Space Society) and Gabriel Rothblatt (National Space Society). Moderator: Madhu Thangavelu (University of Southern California)

6:00 pm END