

Space Transportation

As of 5-23-18

Friday, May 25

Malibu Room

Space Transportation - Launch

- 10:00 am Rocket Lab: Opening Space with Electron. Brad Schneider (Rocket Lab USA)
- 10:20 am Firefly Alpha: Economical and Convenient Small Satellite Launch. Thomas E. Markusic and Eric Salwan (Firefly Aerospace)
- 10:40 am Responsive Launch For Small Satellites. Monica Jan and Stephen Eisele (Virgin Orbit)
- 11:00 am Overview of United Launch Alliances in Development Vulcan Rocket. Chris Deel (United Launch Alliance)
- 11:20 am Space Launch System: Enabling Deep Space Human Exploration to the Moon, Mars and Beyond! Dr. Paul McConnaughey (NASA Marshall Space Flight Center)
- 11:40 am Design Progress and Flight Results for the Autonomous Mobile On-Orbit Diagnostic System (AMODS). Edward Hanlon (U.S. Navy)

Space Transportation - In Space

- 2:00 pm The Exploration Upper Stage for the Space Launch System: Enabling Scientific and Human Exploration Missions. Ben Donahue (Boeing)
- 2:20 pm The Advanced Cryogenic Evolved Stage - New Capabilities for Cislunar Space. Jonathan Barr (United Launch Alliance)
- 2:40 pm From the Earth to the Moon and Mars. Danielle Richey, Dave Murrow and Timothy Cichan (Lockheed Martin)
- 3:00 pm NSS/NASA Ames Student Space Settlement Contest Presentation
- 3:10 pm From Earth Orbit to the Moon and All Points In Between. Dallas Bienhoff (Cis-lunar Space Development Company)
- 3:30 pm Astrobotic, Making the Moon Accessible with Peregrine. Dan Hendrickson (Astrobotic)
- 3:50 pm NSS/NASA Ames Student Space Settlement Contest Presentation
- 4:00 pm Solar Electric Propulsion Concept for the Deep Space Gateway. Scott Tilley & Alfred Tadros (SSL)
- 4:20 pm Space Tug Operational Comparisons: An Efficient Transport Architecture Utilising Pulsed Cathodic Arc Thrusters. Dr. Patrick Neumann (Neuman Space)
- 4:40 pm Power and Propulsion Element: Developing the First Module for a Lunar Gateway. Dr. Michele Gates, Ron Ticker, Erin Mahone and Dr. Michael R. Barratt (NASA)

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Saturday, May 26 Malibu Room

Unique Propulsion

- 10:00 am NASA Marshall Space Flight Center Nuclear Propulsion Program. Dr. Michael Houts (NASA Marshall Space Flight Center)
- 10:30 am Air Force Propulsion Needs. Lt. Col. Peter Garretson (Air University, USAF)
- 10:45 am System Design of Advanced Nuclear Thermal Propulsion (NTP). Carly Romnesa (University of New Mexico) and Roger Lenard (Zodiac Planetary Services)
- 11:00 am System Design of In-Space and Surface Power System. Kyle Beling (University of New Mexico) and Rodger Lenard (Zodiac Planetary Services)
- 11:15 am Advanced Technologies and Future Space Systems. Les Johnson (NASA Marshall Space Flight Center)
- 11:30 am Thor Launch System. Cam Hosie (8 Rivers)
- 11:45 pm Low-Cost Propellant Launch from a Tethered Balloon. Brian Wilcox (NASA Jet Propulsion Laboratory)