

As of 6-5-19

**Registration**

8:00 am - 7:00 pm

**Student Registration**

9:00 am - 6:00 pm

**Morning Plenary**

8:30 am - 9:45 am

**Student Plenary**

10:00 am - 10:45 am

**10:00 am - 12:00 noon**

**Many Roads to Space**

10:00 am

10:20 am

10:40 am

10:50 am

11:10 am

11:30 am

11:40 am

11:50 am

**Moon**

10:00 am

10:20 am

10:30 am

10:40 am

10:50 am

11:00 am

11:10 am

11:20 am

11:30 am

**Space Settlement**

10:00 am

10:05 am

**Sunday, June 9**

**South Foyer**

**North 1**

**Commonwealth Ballroom**

"Space 2.0: Into a New Space Age"

Panelists: Greg Autry (Vice President for Space Development, National Space Society), Bruce Pittman (Senior Vice President and Senior Operating Officer, National Space Society) and Dr. Allison Zuniga (NASA Ames Research Center). Moderator: Rod Pyle, Space Author, Journalist, Historian and Editor-in-Chief, *Ad Astra* Magazine, National Space Society

**Commonwealth Ballroom**

"SEDS, Yuri's Night, NSS chapters, and You: The career Importance of Local Space Organizations"

Keynote Speaker: Mike Mongo, Astronaut Teacher, Author, The Astronaut Instruction Manual, and Founder, Mike Mongo's Astronaut Job Fair

**Morning Sessions**

**Concourse 2**

Space Future Education. Dr. Bob Krone (Kepler Space Institute)

Space Future Research. Haroon Oqab (Kepler Space Institute)

ASTRAX Commercial Astronaut Training, Roles and Business. Taichi Yamazaki (ASTRAX, Inc., Japan)

Design Considerations for Maximizing Quality of Life in a Large Space Settlement. Bryan Versteeg (Conceptual Design Artist for Space Exploration and Settlement, Spacehabs.com)

The #SpaceFam Community: Why Space Needs Social Media. Savannah Peterson (Savvy Millennial)

ASTRAX Academy: Space Business & Space Flight Services School. Keiichi Iwasaki (ASTRAX Academy, Japan)

Activities of ASTRAX World Space Week Japan Taiko Kawakami (ASTRAX International, Inc., Japan)

Global Space & Moon Orchestra. Hayaki Tsuji (ASTRAX Entertainments, Japan)

**Cavalier**

**Moon Village Association**

Moon Village Association Progress Report - Projects and Programs Update. John C. Mankins (Moon Village Association)

The Economic Value of Lunar Settlement and Construction. Daniel Inocente (Skidmore Owings Merrill) and Brad Blair (NewSpace Analytics)

Establishing a Roadmap for the International Lunar Decade. Jim Crisafulli (National Space Society)

Man on the Moon: Health and Physiology in Partial Gravity. Dr. Joan Vernikos (Third Age LLC) and Dr. Adarsh Deepak (Taksha Institute)

Lunar Space Elevator Michael Laine (Liftport Group)

The Remnant Project: Building a Self-Sustainable Habitat for Long-Term Human Missions to Moon. Roberto Rodriguez (InstarZ LLC)

NSS Student Space Settlement Contest Presentation

Space Architecture: Options for Moon Settlements. Ayse Oren (Architect)

Moon Village Association Working Discussion: MVA Catalyst Role for 2024 Return to the Moon - Establishing a Roadmap for the International Lunar Decade. John C. Mankins (Moon Village Association), Madhu Thangavelu (University of Southern California), Jim Crisafulli (National Space Society), Al Anzaldúa (National Space Society)

**Concourse 1**

The Space Development and Settlement Act. Dale Skran (National Space Society)

From Space to Earth: Building Sustainable Worlds. Barbara Belvisi (Interstellar Lab)

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**Sunday, June 9**

<p>10:30 am</p> <p>10:40 am</p> <p>11:00 am</p>	<p>NSS Student Space Settlement Contest Presentation</p> <p>Getting Started: Large Space Settlement Development. Anita Gale (Space Settlement Design Competition)</p> <p>Panel: Where first? A discussion of our first space home. Al Globus (Alliance for Space Development), Dr. Doug Plata (Space Development Network), Joel Sercel (TransAstra) and Dr. Robert Zubrin (Pioneer Astronautics). Moderator: Anita Gale (Space Settlement Design)</p>
<p><b>Lunch</b></p> <p>12:00 noon - 1:50 pm</p>	<p><b>Galaxy</b> (16th floor)</p> <p>"Rapid, Dedicated Launch for Small Satellites is Now a Reality"</p> <p>Keynote Speakers: Lars Hoffman, Senior Vice President of Global Launch Services, Rocket Lab and Dr. George C. Nield, former FAA AST Administrator</p> <p>MC; Rod Pyle, Space Author, Journalist, Historian and Editor-in-Chief, <i>Ad Astra</i> Magazine, National Space Society</p>
<p><b>Student Awards</b></p> <p>1:00 pm - 4:00 pm</p>	<p><b>Commonwealth Ballroom</b></p> <p>NSS Space Settlement Contest Student Awards Ceremony</p>
<p><b>2:30 pm - 5:30 pm</b></p> <p><b>Earth Independence</b></p> <p>2:30 pm</p> <p>2:50 pm</p> <p>3:20 pm</p> <p>3:50 pm</p> <p>4:20 pm</p> <p>4:40 pm</p> <p>5:00 pm</p> <p><b>Many Roads to Space</b></p> <p>2:30 pm</p> <p>3:00 pm</p> <p>3:30 pm</p> <p>3:50 pm</p> <p>4:00 pm</p> <p>4:20 pm</p> <p>4:30 pm</p> <p>4:50 pm</p> <p><b>Moon</b> (2:30 pm - 5:00 pm)</p> <p>2:30 pm</p> <p>2:45 pm</p> <p>3:00 pm</p> <p>3:15 pm</p> <p>3:30 pm</p> <p>3:45 pm</p> <p>4:00 pm</p>	<p><b>Afternoon Sessions</b></p> <p><b>Concourse 1</b></p> <p><b>Achieving Earth Independence</b></p> <p>Artificial Gravity &amp; Producing Habitats. Art Harman (Coalition to Save Manned Space Exploration)</p> <p>How Food Will be Grown? Bryce Meyer (St. Louis Space Frontier)</p> <p>Meat, Nutritional Needs, &amp; Culinary Arts. Chris Wolfe (The Space Development Network)</p> <p>ISRU Production of Power Systems &amp; Electronics. Dr. Alex Ignatiev (Lunar Resources, Inc.)</p> <p>Children, Families, &amp; Population Growth. Dr. Alexander Layendecker (The Space Development Network)</p> <p>The Moon-Mars Analogue Base. Christian Meza (Tucson L5 Space Society)</p> <p>ROUNDTABLE - How Can We Make Progress? Dr. Doug Plata (The Space Development Network)</p> <p><b>Concourse 2</b></p> <p>Space Tourism: The Elusive Dream. Dr. Sam Spector (University of Canterbury, New Zealand) (tbd)</p> <p>ASTRAX Lunar City Development Project. Masaki Terauchi (ASTRAX Entrée) and Taichi Yamazaki (ASTRAX, Inc., Japan)</p> <p>ASTRAX Space Services Platform by Using Blockchain Technology. Taichi Yamazaki (ASTRAX, Inc., Japan)</p> <p>Extravehicular Activities &amp; Cave Diving: The Next Generation of Human Development &amp; Exploration of Space. Stephen Daire</p> <p>ASTRAX Cruise: Sea, Sky and Space Cruises. Yasuo Okada (ASTRAX Cruise, Japan)</p> <p>ASTRAX Imagine: Space Flight Attendant Academy. Chieko Takahashi (ASTRAX Imagine, Japan) and Yuko Kiriara (ASTRAX Imagine, Japan)</p> <p>ASTRAX Memorial: Space Funeral Services. Tomoko Kasai (ASTRAX Memorial, Japan)</p> <p><b>Cavalier</b></p> <p>Future of Human Spaceflight. (tbd)</p> <p>Can the "Kennedy Moment" Come Again? Dr. John Logsdon (George Washington University Emeritus)</p> <p>A Pioneer's Guide to Living on the Moon. Peter Kokh (Moon Society)</p> <p>Moon Direct: A Coherent Plan for the Rapid Development of an Affordable and Very Capable Lunar Base. Dr. Robert Zubrin (Mars Society)</p> <p>Space Can Save the Earth. Howard Bloom (NSS Board of Governors)</p> <p>Back to the Moon Policy. Dr. Greg Autry (University of Southern California)</p> <p>Moon Village Association Highlights of 2024 Return to Moon Catalyst Discussion. John C. Mankins (Moon Village Association) and Madhu Thangavelu (University of Southern California)</p>

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**Sunday, June 9**

4:15 pm	Moon Book Panel. Dr. John Logsdon (George Washington University Emeritus), Rod Pyle (Author), Peter Kokh, Dr. David Schrunck, Dennis Wingo (Author), Dr. Haym Benaroya (Rutgers University). Moderator: Dr. Greg Autry (University of Southern California)
4:45 pm	Concluding Remarks. Mark Hopkins (National Space Society), Dale Skran (National Space Society), Dr. Greg Autry (University of Southern California), Madhu Thangavelu (University of Southern California)

**NSS Meeting**  
4:00 pm - 5:00 pm

**Boardroom**  
Space Settlement Summit 2019 meeting

**NSS Meeting**  
5:00 pm - 5:45 pm

**Mezzanine 3**  
NSS Membership Town Hall  
Meet the entire NSS Membership team, including Vice President for Membership Burt Dicht and Membership Committee Chair Ronnie Lajoie during this Town Hall meeting. This is your opportunity to learn more about NSS efforts to improve membership value and to ask questions and share your ideas on membership. All members invited!

**NSS Meeting**  
5:00 pm - 6:00 pm

**Boardroom**  
ValueSpring presents progress on the AI Tutor for Every Child to NSS Boards and VIPs

**NSS Meeting**  
5:30 pm - 6:15 pm

**Concourse 2**  
Mars Special Interest Group (SIG) planning session

**Showcase Event**  
5:30 pm - 6:30 pm

**Cavalier**  
Future of Sci-Fi Media: *Persephone* & *Saturn 5*  
Jeffrey Morris (Founder of Future Entertainment and writer/director/designer), Brianna Hildebrand (lead actress), and Kevin R. Grazier (Science Advisor) will introduce Jeffrey's next two projects: *Persephone*, a feature film starring Mary-Louise Parker, Brianna Hildebrand, Emile Hirsch and Malcolm McDowell, produced by Cassian Elwes; and *Saturn 5*, a 13-episode TV series.

**Cocktail Reception**  
6:00 pm - 7:00 pm

**Assembly Foyer**  
Open reception includes a cash bar and appetizers.

**Dinner**  
7:00 pm - 9:00 pm

**Commonwealth Ballroom**  
Keynote Speaker: Dr. Thomas Zurbuchen, Associate Administrator for the Science Mission Directorate, NASA  
ISDC 2020 Handoff  
MC: Madhu Thangavelu, University of Southern California and National Space Society Board of Directors

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

**Galaxy** (16th floor)  
ISDC Film Festival - "Searching for Skylab"  
Directed by Dwight Steven-Boniecki.

**NSS Meeting**  
10:00 pm - Till

tbd

**Monday, June 10**

**NSS Board Meeting**  
9:00 am - 7:00 pm

**Concourse 1 & 2**