

Thursday, July 22

8:00 AM EDT	Anita Gale, NSS Chief Executive Officer, National Space Society Board of Directors
8:05 AM	<i>Evolution of Volatiles in the Lunar Poles</i> James Green, Chief Scientist, NASA
8:20 AM	Space Policy: <i>Policy Recommendations to Accelerate the Establishment of Communities Beyond Earth.</i> Steve Wolfe (President and Co-Founder, Beyond Earth Institute), Sean W. Hadley, Esq. (Chief Operating Officer & Co-Founder, Beyond Earth Institute) and Tony DeTora (VP of Policy Coherence & Co-Founder, Beyond Earth Institute)
8:45 AM	<i>Perspectives on Humanity's Expansion into Space</i> Karlton Johnson, Chairman, National Space Society Board of Governors with Rod Pyle, Editor-in-Chief, <i>Ad Astra</i> Magazine
9:10 AM	<i>Moonbase 2030 Step One: Mauna Loa</i> Henk Rogers, Founder, International MoonBase Alliance, National Space Society Board of Governors
9:20 AM	<i>Deployable and Transformable Concepts for Lunar Habitation Elements</i> Dr. Barbara Imhof, Managing Director, LIQUIFER Systems Group, Vienna - Bremen
9:35 AM	<i>Introduction to Space Ambassadors</i> Loretta Hall, NSS Space Ambassador
9:40 AM	<i>NASA HUNCH Program</i> Christean Kapp, Adjunct Professor, Lone Star College, NSS Space Ambassador
9:45 AM	<i>Making the NSS Vision a Reality Through Collaboration and Outreach</i> Eric Harkleroad, NSS Space Ambassador
9:50 AM	<i>Why I am a Space Ambassador and Want to Farm in Space!</i> Bryce Meyer, St. Louis Space Frontier, National Space Society Board of Directors, NSS Space Ambassador
10:00 AM	<i>Jupiter, Up Close and Personal</i> Dr. Scott Bolton, Director, Space Science and Engineering Division, Southwest Research Institute and Principal Investigator, NASA's Juno Mission with Michelle Hanlon, NSS President, National Space Society Board of Directors Presenting of NSS Space Pioneer Award to Dr. Scott Bolton
10:45 AM	<i>Objects on the Lunar Surface: Artifact or Debris?</i> Michelle Hanlon, NSS President, National Space Society Board of Directors
11:00 AM	<i>Lunar Habitats: The Critical Challenges</i> Haym Benaroya, Distinguished Professor of Mechanical & Aerospace Engineering, Rutgers University
11:15 AM	<i>On The Horizon: Lunar Tourism</i> Madhu Thangavelu, Vice President of NSS-India Relationships, National Space Society
11:30 AM	<i>A Message from the ISRO</i> Dr. R. Umamaheswaran, Scientific Secretary, Indian Space Research Organization (ISRO)
11:45 AM	<i>Celebration of World Space Week</i> Avinash Shirode, National Space Society Board of Directors, President-NSS Nashik India Chapter, NSS Space Ambassador
12:00 noon	<i>NSS Space Settlement Contest Grand Prize Winner</i> AeroSpace Meridian Venus Team, Makua Lani Christian Academy, Kona, Hawaii Presenting: Hana Husek, Austin Pham, Andrew Olafsrud, Mikella Chang and Frederick Herrmann (teacher) with Lynne F. Zielinski, NSS Vice President of Education and Outreach, NSS Director of Education, National Space Society Board of Directors
12:15 PM	<i>The Basics of Farming in Space</i> Bryce Meyer, St. Louis Space Frontier, National Space Society Board of Directors
12:30 PM	<i>Larry Bartoszek In My Own Words</i> Larry Bartoszek, Bartoszek Engineering, NSS Space Ambassador
12:35 PM	<i>Modern Day Space Elevator - 2021</i> Dr. Peter Swan, President, International Space Elevator Consortium and Dr Jerry Eddy, Board of Directors and Secretary, International Space Elevator Consortium
1:00 PM	END

Friday, July 23

8:00 AM EDT	Anita Gale, NSS Chief Executive Officer, National Space Society Board of Directors
8:05 AM	<i>Record-Setting, Trailblazing, Role Model, Astronaut Peggy Whitson</i> Dr. Peggy Whitson, retired NASA astronaut and former NASA Chief Astronaut with Janet Ivey, President, Explore Mars, Inc., CEO, Janet's Planet, Inc., National Space Society Board of Governors Presenting of the NSS Space Pioneer Award to Dr. Peggy Whitson
8:30 AM	Rob Manning, Chief Engineer, Mars Exploration Directorate, NASA Jet Propulsion Laboratory with Rod Pyle, Editor-in-Chief, <i>Ad Astra</i> Magazine Presenting of NSS Space Pioneer Award to Rob Manning
9:10 AM	Interview: Rod Pyle, Editor-in-Chief, <i>Ad Astra</i> Magazine and Tariq Malik, Editor-in-Chief, Space.com
9:35 AM	Gwynne Shotwell, President and Chief Operating Officer, SpaceX with Rod Pyle, Editor-in-Chief, <i>Ad Astra</i> Magazine Presenting of NSS Wernher von Braun Award to Gwynne Shotwell
9:45 AM	Space Policy: <i>Artemis - Helpful, Harmful, or Immaterial to Communities Beyond Earth?</i> Brett Jones (VP Communications and Digital Media, Beyond Earth Institute), Tyler Bender (Research Associate, Beyond Earth Institute) and Tony DeTora (VP of Policy Coherence & Co-Founder), Beyond Earth Institute
10:10 AM	<i>Facing Arguments Against Space Settlement</i> Al Globus, National Space Society Board of Directors
10:40 AM	Dr. Robert Braun, Director for Planetary Science, NASA Jet Propulsion Laboratory with Rod Pyle, Editor-in-Chief, <i>Ad Astra</i> Magazine Presenting of NSS Space Pioneer Award to Dr. Robert Braun
11:00 AM	Janet Ivey, President, Explore Mars, Inc., CEO, Janet's Planet, Inc., National Space Society Board of Governors and Chris Carberry, CEO, Explore Mars, Inc.
11:15 AM	Isaac Arthur, <i>Science & Futurism With Isaac Arthur</i> with Dr. Lorna Jean Edmonds, National Space Society Board of Directors Presenting of the NSS Space Pioneer Award to Isaac Arthur
11:35 AM	<i>Mexican Students Organize a Nationwide Lunar Robotics Competition</i> Alfred Anzaldua, National Space Society Board of Directors
11:50 AM	<i>Space Artifacts Tour</i> Steve Jurvetson, Managing Director & Founder, Future Ventures
12:00 noon	<i>NSS Chris Pancratz Activist of the Year Award, 2020</i> Burton Dicht, NSS VP of Membership presented by Dale Skran, NSS Senior Vice President/Chief Operating Officer, National Space Society Board of Directors
12:05 PM	<i>NSS spUN Debates: Preparing the Next Generation of Universal Leaders</i> Dr. Lorna Jean Edmonds, National Space Society Board of Directors and Frances Dellutri, NSS Deputy Education Director, National Space Society Board of Directors
12:25 PM	<i>International Space Solar Power Team Competition</i> Sponsored by SPACE Canada
1:05 PM	END

Saturday, July 24

8:00 AM EDT	Anita Gale, NSS Chief Executive Officer, National Space Society Board of Directors
8:02 AM	Steve Jurvetson, Managing Director & Founder, Future Ventures with Bruce Pittman, National Space Society Board of Directors Presenting of NSS Space Pioneer Award to Steve Jurvetson
8:20 AM	<i>How Humans Will (Or At Least Should) Explore Mars</i> Dr. Pascal Lee, Mars Institute, SETI Institute, NASA Ames Research Center
8:45 AM	<i>Human-Machine Collaboration in Aquanautics for Astronautics</i> Stephen Daire, CEO, Protean Industries, NSS Space Ambassador
8:50 AM	<i>Ocean and Space Exploration Parallels</i> Dr. David Gallo, Senior Advisor for Strategic Initiatives, RMS Titanic, Inc. with Dr. Anthony Paustian, NSS Director of Branding and Communications
9:25 AM	<i>NSS Chris Pancratz Activist of the Year Award, 2021</i> Greg Autry, NSS Vice President of Space Development, National Space Society Board of Directors presented by Anita Gale, NSS Chief Executive Officer, National Space Society Board of Directors
9:40 AM	<i>Lunar Settlements and Education</i> Dr. Sandra Häeuplik-Meusburger, Vienna University of Technology (TU Wien) and Sabrina Kerber, UAV Pilot & Analog Astronaut, Vienna University of Technology (TU Wien)
9:55 AM	<i>Economics in Space</i> Jim Plaxco, NSS Space Ambassador
10:00 AM	<i>Ceres Megasatellite as Alternative to Planetary Living</i> Dr. Pekka Janhunen, Research Manager, Finnish Meteorological Institute
10:15 AM	<i>MMAARS Training NextGen Anslig Astronauts to be Super Spaceheros</i> Dr. Susan Ip-Jewell, CEO/Co-Founder of MMAARS, Inc. (Mars-Moon Astronautics Academy & Research Science)
10:25 AM	<i>CubeSats</i> Kevin L. Simmons, CEO, BLUECUBE Aerospace, NSS Space Ambassador
10:45 AM	Phil Plait, <i>The Bad Astronomer</i> with Geoffrey Notkin, President Emeritus, National Space Society, National Space Society Board of Governors Presenting of NSS Space Pioneer Award to Phil Plait
11:10 AM	<i>Space Policy: Space Solar Power - Is It Finally Time to Harness the Sun?</i> Brett Jones (VP Communications and Digital Media, Beyond Earth Institute), Jonathan G. Thorvilson (Motivator, Beyond Earth Institute) and Tony DeTora (VP of Policy Coherence & Co-Founder, Beyond Earth Institute)
11:30 AM	<i>SPS in 2021</i> John C. Mankins, Mankins Space Technologies, Inc., National Space Society Board of Directors
11:45 AM	<i>Space Solar Power and Ancillary Services Beaming Mission Development</i> Gary Barnhard, CEO, Xtraordinary Innovative Space Partnerships, Inc., National Space Society Board of Directors
12:00 noon	<i>A New Look at Space Solar Power</i> Martin Soltau, Frazer-Nash Consultancy
12:15 PM	<i>What Role(s) Might the Military Play in Space Settlement, and Why?</i> Karlton Johnson, Chairman, National Space Society Board of Governors with Rod Pyle, Editor-in-Chief, <i>Ad Astra</i> Magazine
12:35 PM	<i>The Origins of the Pro-Space Movement</i> Mark Hopkins, NSS Chief Executive Officer Emeritus, National Space Society Board of Directors
12:45 PM	<i>The Scientific Feasibility of Space Settlement</i> Hannah Rens, Systems Engineer, Boeing Space, Defense, and Security, National Space Society Board of Directors
1:10 PM	<i>Moonbase Design</i> Stevan Akerley, NSS Space Ambassadors Program Director
1:30 PM	<i>The Outposts Program</i> Jeffrey Manber, CEO, Nanoracks with David Dressler, NSS Conference Coordinating Committee Chairman
1:45 PM	<i>The Next 20 Years in NewSpace</i> Steve Jurvetson, Managing Director & Founder, Future Ventures with Rod Pyle, Editor-in-Chief, <i>Ad Astra</i> Magazine
2:10 PM	<i>Space Settlement Design Competition</i> Presenting: Colin Houts, John Mo, Margaret Yu and Adam Moss
2:25 PM	END