

As of 5-15-17

Friday, May 26

Training for the Stars

7:00 am - 7:45 am

Hotel Fitness Center

Total Body Strength Training with Fitness Coach Laura Clancy

Student Services

8:00 am - 6:00 pm

Depot Registration Office

Exhibit Hall

10:00 am - 6:00 pm

Midway

Morning Plenary

8:45 am - 9:45 am

Grand Ballroom EF

Welcome & MC: Christine Nobbe, Conference Chair for ISDC 2017, St. Louis Space Frontier, National Space Society Board of Directors
 Opening Remarks: Mark Hopkins, Chairman of the Executive Committee, National Space Society Board of Directors
 "Cislunar Space Economy"
 Keynote Speaker: Bernard F. Kutter, Manager Advanced Programs, United Launch Alliance

Student Plenary

10:00 am - 10:45 am

Grand Ballroom EF

"International Efforts in Future Space Exploration"
 Keynote Speaker: Prof. Johann-Dietrich Wörner, Director General, European Space Agency
 MC: Dr. Linda Godwin, Professor, Physics and Astronomy, University of Missouri-Columbia and retired NASA Shuttle Astronaut, Johnson Space Center

10:00 am - 12:00 noon

Morning Tracks

Back to the Moon

10:00 am
 10:30 am
 10:45 am
 11:00 am
 11:15 am
 11:30 am

Grand Ballroom C

Global Politics of Lunar Development

Introduction to Global Politics of Lunar Development. Bruce Pittman (NASA Ames Space Portal)
 NASA's HEOMD's Lunar Activities. Dr. Ben Bussey (NASA)
 Current Lunar Missions. Dr. Bradley Jolliff (Washington University in Saint Louis)
 Commercial-National-International Nexus for Policy. Dr. Andrew Aldrin (Buzz Aldrin Space Institute and Florida Institute Technology)
 International Lunar Research Park. Bruce Pittman (NASA Ames Space Portal)
 Panel: Global Politics of Lunar Development. Dr. Clive Neal (University of Notre Dame), Dr. Bradley Jolliff (Washington University in Saint Louis), Charles Miller (NexGen Space) and Bruce Pittman (NASA Ames Space Portal). Moderator: Dr. Andrew Aldrin (Buzz Aldrin Space Institute and Florida Institute Technology)

Space Business

10:00 am
 10:10 am
 11:00 am

Grand Ballroom A

NASA/NSS Student Space Settlement Contest Presentation
 NewSpace Business Plan Competition. Joel Vinas (Center for Space Commerce and Finance)
 NewSpace Business Plan Competition. Joel Vinas (Center for Space Commerce and Finance)

Space Solar Power

10:00 am
 10:45 am
 11:15 am

Grand Ballroom B

Technical & Economic Challenges of Infrastructure TD3

Next Steps In Modular Design. Dr. Paul Jaffe (U.S. Naval Research Laboratory)
 U.N. Sustainability Goals & the Cislunar Marketplace. David Dunlop (Space Development Foundation)
 Critical Path Technology & Cislunar Project Orchestration. Jim Keravala (Off-World Consortium)

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Space Transportation

10:00 am
10:05 am

11:00 am
11:25 am

Grand Ballroom D

Introduction. Jim Merriman (St. Louis Space Frontier)
Fast Space. Lt. Col. Thomas P. Schilling (Air University, USAF), Charles Miller (NextGen Space), and Hoyt Davidson (Near Earth and National Space Society Board of Directors)
Vector-R and Vector-H (Small Launch Vehicles). Matt Baker (Vector Space Systems)
BOREAS (Balloon Assisted Launch System). Brian Stofiel (Stofiel Aerospace)

NextGen

11:00 am
11:15 am

Midway Suite III

NASA/NSS Student Space Settlement Contest Presentation
Introducing BocksCAD - Coding for 3D Printing. Dr. David Thornburg (Polar3D)

NSS Meeting

10:00 am - 11:00 am

Midway Suite II

International Committee with David Dunlop

Lunch

12:00 noon - 1:50 pm

Grand Ballroom F

"Living and Working in Space"
Keynote Speaker: Dr. Linda Godwin, Professor, Physics and Astronomy, University of Missouri-Columbia and retired NASA Shuttle Astronaut, Johnson Space Center
Presenting of Missouri Space Pioneer Award to Dr. Linda M. Godwin
Presenting of Jim Baen Memorial Short Story Award
MC: Harry Hamlin, Founder, Tri Alpha Energy and National Space Society Board of Governors

Student Poster Session

1:00 pm - 3:00 pm

Midway

Authors' StratoLounge

2:00 pm - 3:00 pm
3:00 pm - 4:00 pm

4:00 pm - 5:00 pm

Midway

Peter A. Swan (*Space Elevators*)
Bryce Meyer (*You Will Design Space Engines, You Will Design Space Habitats, You Will Design Spaceships, You Will Farm in Space*)
Rod Pyle (*Amazing Stories of the Space Age, Blueprint for a Battlestar, Mars: Making Contact*)

NSS Meeting

1:00 pm - 2:00 pm

Switchman Room

Space Business Plan Meeting

Student Activity

2:00 pm - 3:00 pm

Midway

Meet & Greet with Dr. Linda Godwin, Professor, Physics and Astronomy, University of Missouri-Columbia and retired NASA Shuttle Astronaut, Johnson Space Center

As of 5-15-17

Friday, May 26

2:00 pm - 6:00 pm

Afternoon Tracks

Back to the Moon

- 2:00 pm Lunar Settlement Visions Introduction. Madhu Thangavelu (University of Southern California)
- 2:00 pm Moon Village. Prof. Johann-Dietrich Wörner (European Space Agency)
- 2:30 pm The Value of Our Moon. Dr. Clive Neal (University of Notre Dame)
- 2:45 pm Lunar Surface Terrain. Dr. Bradley Jolliff (Washington University in Saint Louis)
- 3:00 pm Lunar Habitat Concept. Dr. Douglas Plata (Lunar COTS)
- 3:15 pm PAVING the way to Planetary Basalt ISRU Construction. Rob Kelso (Kelso Aerospace and National Space Society Board of Directors)
- 3:30 pm Pioneering the Moon-Dust to Thrust, Rocks to Blocks. Robert Mueller (NASA Kennedy Space Center)
- 3:45 pm Contour Crafting A Lunar Base. Dr. Behrokh Khoshnevis (University of Southern California)
- 4:00 pm USC SeleneOption 2016. Madhu Thangavelu (University of Southern California)
- 4:15 pm How to Build a Lunar Base. Henk Rogers (Pacific International Space Center for Exploration Systems)
- 4:30 pm Planet Moon. Dr. David G. Schrunck (Science of Laws Institute)
- 4:45 pm International Lunar Decade. David Dunlop (National Space Society International Committee)
- 5:00 pm NASA/NSS Student Space Settlement Contest Presentation
- 5:15 pm Closing Panel: Recommendations

Grand Ballroom C

Sustainable Lunar Architectures. Dennis Wingo (Skycorp)

Space Business

- 2:00 pm NASA/NSS Student Space Settlement Contest Presentation
- 2:10 pm The Big Business of Launching Small Satellites. John Quinn (EXOS Aerospace Systems & Technologies) and Matt Baker (Vector Space Systems)
- 3:00 pm NewSpace Business Plan Competition Awards Announcement. Joel Vinas (Center for Space Commerce and Finance)
- 3:20 pm Skycorp presentation. Dennis Wingo (Skycorp)
- 4:00 pm New Ideas in the Business of Space. Andrew Sloan (Cosma Schema), Keegan Kirkpatrick (RedWorks), and Thomas Olson (Avealto)
- 5:00 pm New Ideas in the Business of Space. Dr. Andrew Aldrin (Florida Institute of Technology) and Megan Crawford (Brand Delta-V)

Grand Ballroom A

Space Solar Power

- 2:00 pm Lunar Power & Light Company. Daniel Faber, Brad Blair and Gary Barnhard (XISP)
- 2:45 pm **Space Solar Power International Student Competition**
Space Solar Power International Student Competition Introduction. John C. Mankins (Mankins Space Systems)
- 3:00 pm Space Solar Power International Student Competition Presentations. The semi-finalist team presentations include students from the following institutions: Dalian University of Technology (China), Delft University of Technology (The Netherlands), Hampton University (USA), Harbin Institute of Technology (China), Hosei University (Japan), Indiana University (USA), Kitawato University (Japan), Princeton University (USA), Indiana University–Purdue University Indianapolis (USA), Shizuoka University (Japan), The Graduate University of Advanced Studies (Japan), Tokai University (Japan), Tokyo University of Science (Japan), University of Colorado, Boulder (USA), and the University of Maryland (Baltimore County and College Park Campuses, USA).
- 5:30 pm Charting the Path Forward, Fostering Cooperation, Collaboration, and Competition. John C. Mankins (Mankins Space Systems)

Grand Ballroom B

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<p>Space Transportation</p> <p>2:00 pm</p> <p>2:25 pm</p> <p>3:00 pm</p> <p>3:25 pm</p> <p>4:00 pm</p> <p>4:15 pm</p> <p>5:00 pm</p> <p>5:15 pm</p>	<p>Grand Ballroom D</p> <p>Between Earth and Moon (Cis-Lunar) Explorers. Kyle Doyle (Cornell University Space Systems Design Studio)</p> <p>Between Earth and Moon (Cis-Lunar) Transportation. Dr. Douglas Plata (Lunar COTS)</p> <p>Aquarius (Interplanetary Space Travel). Dr. James Logan (Space Enterprise Institute)</p> <p>Nuclear Fusion: The Next Giant Leap in Space Propulsion. Gerald Black (The Mars Society)</p> <p>NASA/NSS Student Space Settlement Contest Presentation</p> <p>Earth-Mars Transport. Erv Bauman (St. Louis Space Frontier)</p> <p>NASA/NSS Student Space Settlement Contest Presentation</p> <p>Beamed Energy Propulsion. Jonathan Coopersmith (Texas A&M)</p>
<p>NextGen</p> <p>3:00 pm</p> <p>3:15 pm</p> <p>4:00 pm</p> <p>4:15 pm</p>	<p>Midway Suite III</p> <p>NASA/NSS Student Space Settlement Contest Presentation</p> <p>Telescopes in the Library: Starting a Telescope "Check out" Program in Your Library Don Ficken (St. Louis Astronomical Society)</p> <p>NASA/NSS Student Space Settlement Contest Presentation</p> <p>Creativity Arises from Structure. Trish McCarty (StarShine Academy)</p>
<p>Student Activity</p> <p>3:00 pm - 4:00 pm</p>	<p>Pegram</p> <p>Vocation Rotation - Interactive Student Session</p>
<p>NSS Meeting</p> <p>4:00 pm - 6:00 pm</p>	<p>Midway Suite II</p> <p>NSS website tutorial with Dale Skran</p>
<p>Student Activity</p> <p>5:00 pm - 6:00 pm</p>	<p>Midway</p> <p>Student Meet & Greet with Prof. Johann-Dietrich Wörner, Director General, European Space Agency</p>
<p>Reception</p> <p>6:00 pm - 7:00 pm</p>	<p>Grand Foyer</p>
<p>Governors' Dinner</p> <p>7:00 pm - 9:00 pm</p>	<p>Grand Ballroom EF</p> <p>"ROI of Exploration"</p> <p>Keynote Speaker: Prof. Johann-Dietrich Wörner, Director General, European Space Agency</p> <p>Presenting of NSS Wernher von Braun Memorial Award to Prof. Johann-Dietrich Wörner</p> <p>Presenting of NSS Chris Pancratz Activist of the Year Award</p> <p>Presenting of NSS Excellence Awards</p> <p>MC: Buckner Hightower, Heinlein Prize Trust</p> <p>Governors' Dinner Sponsored by the Heinlein Prize Trust</p>
<p>Star Party</p> <p>8:00 pm - 10:00 pm</p>	<p>(location tbd)</p> <p>Telescope Viewing</p>
<p>Video Screenings</p> <p>9:30 pm - 11:00 pm</p>	<p>Grand Ballroom D</p> <p>ZGAC/STEAM Film Festival</p> <p>Zero Gravity Arts Consortium STEAM screening features video shorts created by students studying with Frank Pietronigro at the Academy of Art University in San Francisco who created an exciting array of films using the ISDC 2017 conference theme, "in the spirit of exploration and discovery," as a springboard.</p>
<p>NSS Meeting</p> <p>9:30 pm - Till</p>	<p>Midway Suite II</p> <p>ISDC 2018 Planning Committee Meeting</p>
<p>NSS Meeting</p> <p>9:30 pm - Till</p>	<p>tbd</p>