



## ISDC 2023 Session Schedule

### Space Settlement

As of 5/13/23

#### Friday, May 26

#### Frisco 3

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|------------|---|
| 10:00 am   | Keto in Space: Protein Targeted Space Agriculture and How it Affects Overall Mass Flow. Bryce Meyer (NSS Space Ambassadors)   |
| 10:30 am   | Evaluating the Market for Commercial Space Stations. Jim Plaxco (NSS Space Ambassadors)   |
| 11:00 am   | Interstellar Lab: Combining Hardware, AI and Computational Biology to Build Controlled-environment Biofarms in Space. Barbara Belvisi (Intersellar Lab)   |
| 11:30 am   | Effect of Spaceflight, Lunar and Martian Regolith on Plant Telomeres and Telomerase. Borja Barbero Barcenilla (Texas A&M)   |
| 12:00 noon | LUNCH   |
| 2:00 pm    | Revolutionizing Space Exploration: Harnessing 3D Printed Parts for Enhanced Performance and Efficiency. Taylor Hardy (Elk3D)  |
| 2:30 pm    | Advanced Crewed Asteroid Mining Architectures. James Wolff (High Frontier Mining Corp.)   |
| 3:00 pm    | Moon Settlement and Space Solar Power - a Match Made in Heaven. Darel Preble (Space Solar Power Institute)  |
| 3:30 pm    | The Debatable Economics of Space Solar Power for Earth and A More Promising Way to Reach Net-Zero with a Space Spin-Off Technology. Philip Swan (The Atlantis Project)  |
| 4:00 pm    | NSS Student Space Settlement Contest Presentation: Delphos. George-Alexandru Berea, Alexandru Meynaghi-Aghdam, Calin Mihai Nita, Dimitrie Dan Bolea, Ilinca Sandu, Ioan Apalaghiei, Matei Magdalena, Simon-Dimitrie Lupascu and Ioan-Tudor Hanganu (Colegiul National Petru Rares, Piatra Neamt, Neamt County, Romania) |
| 4:15 pm    | Recent Advances in Biosphere2. Trent Tresch (University of Arizona)   |
| 4:45 pm    | NSS Student Space Settlement Contest Presentation: AuDacia. Toma Niculica, Alexandru Zob, Andrei Midache, Matei Lazar, Matei Iordache, Raisa Spanelis, Alexia Andrei, Vlad Olariu, Delia Nazare, Razvan Manolache, Robert Stanescu and Mihai Viteazul (National College, Bucharest, Romania)                            |
| 5:00 pm    | (Re)-Introducing the NSS Gerard K. O'Neill Space Settlement Contest Matthew LeVine (NSS Gerard K. O'Neill Space Settlement Contest)   |
| 5:20 pm    | Behind the Scenes of Organizing the Space Settlement Design Competition. Anita Gale (Space Settlement Design Competition)   |
| 5:40 pm    | Panel: Discussion on Space Settlement Contest Implementations. Anita Gale and Matthew LeVine  |