



ISDC 2025 Session Schedule

Planetary Defense

As of 6/6/25

Friday, June 20

Salon 17

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| 2:00 pm | Opening Remarks. Planetary Defense Program “Look Up it is an Asteroid” & 2026 Roadmap. Nancy C. Wolfson (AIAA) and Dr. Sean Marshall (University of Central Florida) |
| 2:10 pm | Near Earth Asteroids: What Can We Do About Them? Ken Ruffin (NSS Space Ambassador) |
| 2:30 pm | Radar Observations of Near-Earth Asteroids. Dr. Sean Marshall (Arecibo Observatory, University of Central Florida) |
| 2:50 pm | Electric Engine for Space Propulsion: Implications for Deep Space Missions and Planetary Defense. Gregory Harrison (Gravitronics, LLC) |
| 3:10 pm | Measuring The Distances to Asteroids Within One Night. Maryann Benny Fernandes (Duke University) |
| 3:30 pm | Modern Day Space Elevators – New Missions for Planetary Defense. Dr. Peter A. Swan (International Space Elevator Consortium) |
| 3:50 pm | Russian Nuclear Satellites: Implications of the Current Nuclear Presence in Space and the Global Climate and Applicable SDA Strategy. Riley Houser (Yale Univeristy) |
| 4:10 pm | Rethinking Planetary Security - Incorporating the Sun into Planetary Defense. Adam Williams (Celestial Research and Development) |
| 4:30 pm | Brief History & Highlights of Planetary Defense Concepts. Madhu Thangavelu (University of Southern California) |
| 4:50 pm | Second Life for Space Junk to Ensure Sustainability and Safety of Space Exploration, Geoengineering and Planetary Defense. Lev Reznikov (Sagittarius) |
| 5:10 pm | The Core Connection: Climate Change as an Existential Threat, Parallel to NEOs. Mark Henley (Boeing, retired) |
| 5:30 pm | Coronal Faraday Rotation: A Planetary Defense Tool for Space Weather Prediction and Mitigation. Ronit Kapur (Duke University) |
| 5:50 pm | Close Remarks. Nancy C. Wolfson (AIAA) |
| 6:00 pm | END |