

2021 BIG IDEA FORUM AGENDA



Wednesday, November 17, 2021

- 10:00 – 10:15 AM** **Welcome and Introductions**
- 10:15 – 11:15 AM** **University of Central Florida with Morphotonics**
Lunar Dust Mitigating Electrostatic micro-Textured Overlay (LETO)
Faculty Advisor: Dr. Lei Zhai
- 11:25 AM–12:25 PM** **Georgia Institute of Technology**
Hybrid Dust Mitigation Brush Utilizing EDS and UV Technologies
Faculty Advisors: Dr. Julie Linsey, Dr. Thomas Orlando, Dr. Edgar Glenn Lightsey, Dr. Zach Seibers, Dr. Micah Schaible
- 12:35 – 1:35 PM** **Brown University with Rhode Island School of Design**
Tufted Electrostatic Solution To Regolith Adhesion Dilemma (TEST-RAD)
Faculty Advisors: Dr. Rick Fleeter, Dr. Christopher Bull
- 1:35 – 2:15 PM** **Lunch Break**
- 2:15 – 3:15 PM** **Colorado School of Mines with ICON, Masten Space Systems, Adherent Technologies Inc., TexTech, and The Composite Applications Group**
Lunar In-Situ Landing/Launch Environment (LILL-E) Pad
Faculty Advisors: Dr. George Sowers, Dr. Christopher Dreyer, Dr. Kevin Cannon, Jason Ballard, Matthew Kuhns, Dr. Ronald Allred
- 3:25 – 4:25 PM** **Missouri University of Science & Technology with the University of Notre Dame**
Contaminant Ultrasonic Removal via Vibration Ejection from Solar cells (CURVES)
Faculty Advisors: Dr. Daniel Stutts, Dr. Faith Dogan, Dr. Ed Kinzel, Dr. Leslie Gertsch, Dr. Jonathan Kimball, Dr. Yezad Anklesaria
- 4:35 – 5:35 PM** **Washington State University**
Leidenfrost Dusting as a Novel Tool for Lunar Dust Mitigation
Faculty Advisors: Dr. Jacob Leachman, Dr. John McCloy, Dr. Konstantin Matveev
- 5:45 PM – 6:45 PM** **California Institute of Technology**
Habitat Orientable and Modular Electrodynamic Shield (HOMES)
Faculty Advisors: Dr. Soon-Jo Chung, Dr. Charles Elachi, Dr. Jason Kastner, Dr. Manan Arya, Dr. Michael Mello, Richard Abbott

Thursday, November 18, 2021

- 10:30 AM** **Welcome, Day 2**
- 10:30 – 11:00 AM** **NASA's Space Technology Mission Directorate Presentation**
- 11:00 AM – 1:30 PM** **Interactive Poster Session**
11:00 AM – 12:30 PM: Judged Portion
12:30 – 1:30 PM: Non-Judged Team Interaction
- 12:30 – 1:00 PM** **Judges Finalize Scores**
- 1:00 – 1:30 PM** **Lunch Break**
- 1:30 – 3:00 PM** **Deliberation (Judges & Program Staff Only)**
- 4:30 – 5:30 PM** **Awards Ceremony**



EVENT LEGEND

Orange = Only registered participants on WebEx (not viewable to public)

Black = Livestreamed student presentations to public (Note: this also includes a WebEx component for presenting team: 30 min of pre-recorded presentations and 30 minutes live Q&A with judges)

Green = Only judges and staff in Microsoft Teams Meeting

Team presentations will be livestreamed at: <https://livestream.com/viewnow/bigideachallenge>
Teams' digital technical posters are viewable at: <http://bigidea.nianet.org/2021-forum-results>