

2020 BIG IDEA FORUM LIVESTREAM AGENDA



Wednesday, January 6, 2021

- 10:30 – 10:50 AM** **Welcome and Introductions**
Doug Stanley, President and Executive Director of the National Institute of Aerospace
Jim Bridenstine, NASA Administrator
Mike Kincaid, Director, Office of STEM Engagement
Shelley Spears, NIA Director of Education and Outreach
- 10:50 - 11:20 AM** Niki Werkheiser, Director of Technology Maturation, Space Technology Mission Directorate
NASA's Lunar Surface Innovation Initiative (LSII)
- 11:30 AM–12:30 PM** **University of Virginia**
Beaming of Energy via Lasers for Lunar Exploration (BELLE)
Faculty Advisor: Dr. Mool Gupta
- 12:30 – 1:30 PM** **Lunch Break**
- 1:30 – 2:30 PM** **Pennsylvania State University**
Instrument for Performing Laser-Induced Breakdown Spectroscopy (LIBS) in a Lunar Permanently Shadowed Region (PSR)
Faculty Advisors: Dr. Sven Bilén, Joseph Portelli, and Dr. Jesse McTernan
- 2:40 – 3:40 PM** **Northeastern University**
SCOUT and DOGHOUSE
Faculty Advisors: Dr. Alireza Ramezani and Dr. Taskin Padir
- 3:50 – 4:50 PM** **Michigan Technological University**
Tethered–permanently shadowed Region Explorer (T-REX)
Faculty Advisor: Dr. Paul van Susante

Thursday, January 7, 2021

- 11:00 – 12:00 PM** **Massachusetts Institute of Technology**
Multifunctional Expandable Lunar Lightweight Tall Tower (MELLTT)
Faculty Advisors: Dr. Jeffrey Hoffman, Dr. Dava Newman, Dr. Olivier de Weck
- 12:10–1:10 PM** **Dartmouth College**
Strategic Highly-compliant Roving Explorers of other Worlds (SHREWs)
Faculty Advisor: Dr. Laura Ray
- 1:10 – 2:00 PM** **Lunch Break**
- 2:00 – 3:00 PM** **Colorado School of Mines with the University of Arizona**
Lunar Autonomous Scalable Emitter and Receiver (LASER) System
Faculty Advisor: Dr. George Sowers
- 3:10 – 4:10 PM** **Arizona State University**
Variable Exploratory Lunar Observation System (VELOS)
Faculty Advisors: Dr. James Bell and Tyler Smith

Teams' digital technical posters are viewable at: <http://bigidea.nianet.org/2020-forum-results>

