

LSIC Surface Power Telecon

August 24th, 2023

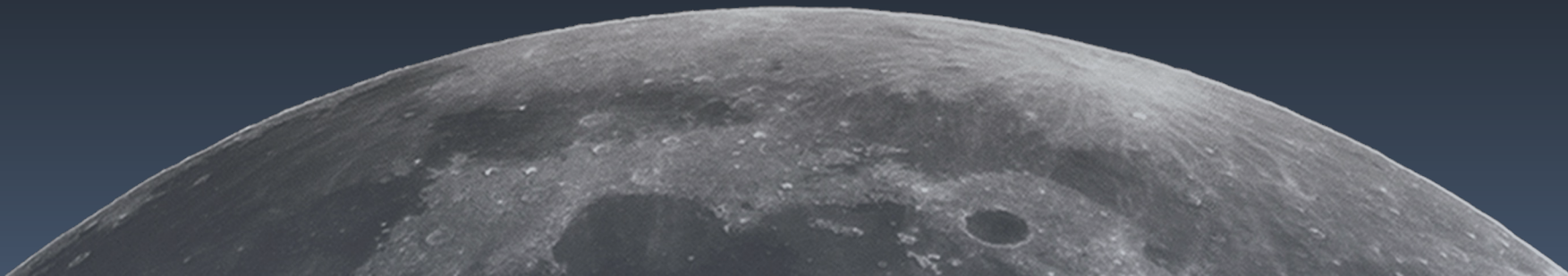
Begins at 11:03



Dr. Sean Young, Dr. Matt Clement
Sam Andrade, Julie Peck, Dr. Joseph Kozak, Abigail Wagner
Johns Hopkins Applied Physics Laboratory
Space Exploration Sector

LSIC Surface Power Facilitator POC: matt.clement@jhuapl.edu

- Community Updates
 - Solicitations and Awards
 - Conferences/Workshops/Telecons
 - October 10-11: 2023 LSIC Fall Meeting
 - October 12: LSIC Transition to Commercial Lunar Operations Workshop
 - November 7: LSIC **Path** to Sustainable Technologies in the Lunar Surface Environment Workshop (Joint DM/EE)
- Jeff Csank (NASA GRC)
- Tom Bozada (US Army Engineer Research and Development Center)
 - Topic: DoD/US Army Tactical Microgrid Standard
- Q&A





Space Tech Solicitations (<https://www.nasa.gov/directorates/spacetech/solicitations>)

TechFlights: Technology Advancement Utilizing NASA Space Technology Graduate Research Suborbital and Orbital Flight Opportunities

Invited Final Proposals Due: October 4, 2023

NASA Space Technology Graduate Research Opportunities 2024

Proposals Due: November 1, 2023

TechRise Student Challenge

Virtual Field Trip: September 29

RSVP @ futureengineers.org/nasatechrise

Entries Due: October 20, 2023

2024 Breakthrough, Innovative and Game-changing (BIG) Idea Challenge

Solicitation expected within the month

NASA Space Technology Graduate Research Opportunities (NSTGRO)

Solicitation expected within the month



LSIC | Upcoming Meetings and Workshops



2023 International Astronautical Congress

October 2-6, Baku, Azerbaijan

2023 LSIC Fall Meeting

October 10-11, Pittsburg, PA and Virtual

2023 LSIC Transition to Commercial Lunar Operations Workshop

October 12, Pittsburg PA and Virtual

AIAA ASCEND

October 23-25, Las Vegas, NV

LSIC Path to Sustainable Technologies in the Lunar Surface Environment Workshop

November 7, Virtual

More complete calendar on LSIC website, email with additional events!



Lunar Surface Innovation Consortium

FALL MEETING 2023 | OCTOBER 10-11

COMMUNITY COLLEGE OF ALLEGHENY COUNTY & ONLINE VIA ZOOMGOV

Featured Speakers



Prasun Desai
NASA Acting STMD
Associate Administrator



A.C. Charania
NASA Chief Technologist



Niki Werkheiser
Director of Technology
Maturation, NASA STMD



Phil Root
Strategic Technology
Office, DARPA



Walt Englund
Dep. Assoc. Admin. for
Programs, NASA STMD

 **JOHNS HOPKINS**
APPLIED PHYSICS LABORATORY

LSIC | LSIC Fall Meeting Agenda

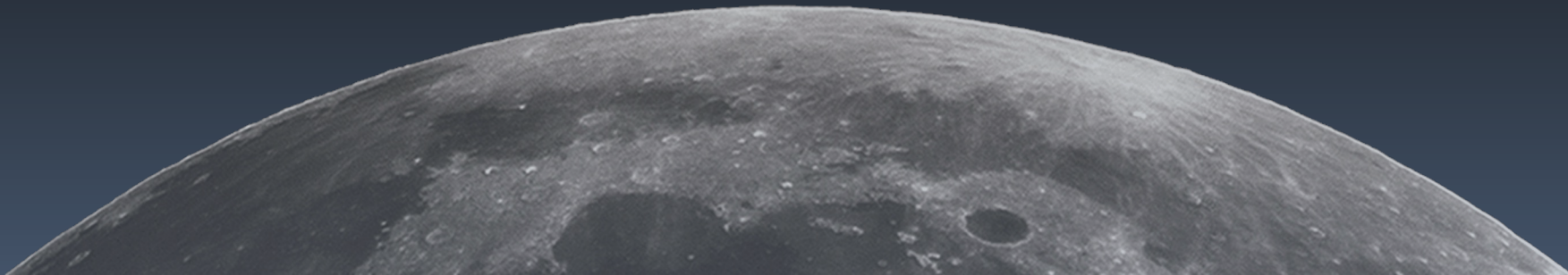


- Day 1:
 - Keynote: Prasan Desai (STMD Acting Associate Administrator)
 - NASA Announcement: Walt Engelund (STMD Dep. Assoc. Admin. for Programs)
 - LSII/LSIC Look Back
 - Panel: Minimum Viable Infrastructure
 - Niki Werkheiser (STMD Director of Technology Maturation)
 - Astrobotic *****POWER*****
 - Protoinnovations
 - RedWire
 - APL reps including **JULIE PECK ***POWER*****
 - LuSTR Presentations
 - **Jin Wang (OSU): ***POWER*****
 - **Art Witulski (Vanderbilt) ***POWER*****
 - Pablo Sobron (Impossible Sensing)
 - Lightning Talks
 - Poster Session

LSIC | LSIC Fall Meeting Agenda



- Day 2:
 - DARPA Announcement: Phil Root (Director, Strategic Technology Office, DARPA)
 - Keynote: A.C. Charania (NASA Chief Technologist)
 - Artemis & Ethics Workshop
 - Robotics and Infrastructure Panel
 - Woodside Energy
 - Apptronik
 - GITAI USA
 - Lockheed Martin
 - JPL
 - Breakout sessions
 - CLPS Panel





Announcing DM & EE Joint Workshop!

- **Path to Sustainable Technologies in the Lunar Surface Environment**
 - We will focus on the qualification path to fielding long-lived technologies on the lunar surface. Stakeholders across industry, academia, and NASA will come together in a collaborative format to discuss the current state of the art, as well as essential knowledge and technology gaps related to the combined lunar and dust environment.
- **November 7, 2023**
- **Interactive, Virtual Workshop**
- **Topics**
 - Existing Standards and Facilities
 - Stakeholder Needs
 - NASA panel
 - Industry & Academia Panel
 - Town Hall on Next Steps
 - Q&As for all presentations
- **Registration is now open!**
 - <https://lsic.jhuapl.edu/Events/Agenda/index.php?id=481>

LSIC | October Telecon



We hope to see you all at our next telecon, which will take place on **Thursday October 26th, 2023 at 11:00AM ET.**

Speaker: Eric Maxeiner (Rolls Royce; Vice President, Business Development)

Topic: Fission Surface Power





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APPLIED PHYSICS LABORATORY

