

# Extreme Environments Focus Group October Meeting



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## Today's Agenda

- LSIC Updates
- LSIC Fall Meeting
- Agenda through December 2022
- Karen's Corner
- Featured Presentations
  - Subgroup Leads Review
- Q&A





#### LSIC Updates

#### Funding Opportunities

- Announcement for Partnership Proposals (AFPP) to Advance Tipping Point Technologies
  - Final Proposals Due 11/22/2022
  - <a href="https://nspires.nasaprs.com/external/solicitations/summary.do?solId={9987D88F-0A12-5203-FC25-423773FAF134}&path=&method=init">https://nspires.nasaprs.com/external/solicitations/summary.do?solId={9987D88F-0A12-5203-FC25-423773FAF134}&path=&method=init</a>
- NASA Innovation Corps Pilot
  - Proposals may be submitted at any time through March 29, 2023, but applications will be reviewed in intervals on the following dates: July 22, 2022; Sept. 16, 2022; Nov. 17, 2022; and Jan 20, 2023
  - <a href="https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7b1B42E782-61BB-9834-F20F-44CBEF13C0A6%7d&path=&method=init">https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7b1B42E782-61BB-9834-F20F-44CBEF13C0A6%7d&path=&method=init</a>
- Please visit LSIC website for full list
  - <a href="http://lsic.jhuapl.edu/Resources/Funding-Opportunities.php">http://lsic.jhuapl.edu/Resources/Funding-Opportunities.php</a>





#### LSIC Updates

#### **Lunar Community Meetings**

- LSIC Fall Meeting November 2-3 (University of Texas, El Paso/Hybrid)
  - Theme: Excavation and Construction
  - Abstracts Due: September 16
  - https://lsic.jhuapl.edu/Events/Agenda/index.php?id=350
- AIAA ASCEND 2022
  - Call for Content Deadline: March 31, 2022
  - Event Date: October 24-26, 2022 (hybrid)
  - https://www.ascend.events/2022
- CLPS 2022: Survive the Night Technology Workshop
  - Venue: Cleveland, OH and Hybrid
  - Event Date: December 6-8, 2022
  - https://www.hou.usra.edu/meetings/clps2022/



## LSIC Fall Meeting

- Date: November 2-3
- Location: Hosted by the University of Texas at El Paso (UTEP)/Hybrid Format
- Technical focus: Excavation and Construction
  - > Lunar and terrestrial construction
  - Lunar proving grounds and testing facilities
  - Early lunar infrastructure
  - Posters and lightening talks
  - > Interactive breakout sessions
  - > Tours
- Registration deadline is October 18.
- Event page: <a href="https://lsic.jhuapl.edu/Events/Agenda/index.php?id=350">https://lsic.jhuapl.edu/Events/Agenda/index.php?id=350</a>



## Agenda through December 2022

- October 11, 2022
  - Subgroup Leads Review
  - Speaker: Subgroup Leads
- November 2022
  - Cancel due to LSIC Fall Meeting
- December 13, 2022
  - Kick off for 2023 path forward!!!





#### Karen's Corner

What would everyone like to see on confluence?

community, let me know!

What changes should be made?

I have been involved with R&D for cryogenic electronics for a long time.

I can help to connect you with people and organization in NASA.

a team through a range of types of work!

We work with NASA, industry and Academia to develop new technologies and missions. It's To the Moon

NASA, industry, academia, non-profits, and government entities. I love to work as a part of

I am here to support the LSIC-EE (& broader LSIC) efforts to build collaborations within the I'm willing to go to the Moon tool

What are we missing?

Who's Who in LSIC-EE

Consulting and courses on electronic devices and hardware

of NASA, industry, academia, non-profits and government in

from airless bodies. I love flight missions and am the Deputy Pl of the LRO Diviner Lunar Radiometer, a Co-I of Lunar Flashlight. a Co-I of L-CIRIS, and a Co-I of the BepiColombo MERTIS.

I also run a laboratory spectroscopy facility, the Simulated Airless

As the NASA POC. I help to communicate and coordinate

interested in how NASA can help to develop commercial

Honeybee focuses on developing space mining robots for

handling systems for all extra-planetary environments. We

for the rigors of difficult space environments.

Environments.

provide hardware from flight grade actuators to robotic systems

As the LSIC-EE Subgroup Lead Coordinator, I assist the LSIC-EE

Facilitator and the subgroup leads to create and update content on their Confluence pages to generate the information needed o return to the Moon for areas relevant to Extreme

through the monthly subgroup meetings and Confluence

communication portal. I work closely with both the LSIC-EE

between the LSIC forum and NASA. While my background is in

the development of electronics for space applications, I'm keenly

particularly for extreme temperatures.

 Who's Who in DM Who's Who in Extreme Access (EA)

· Who's Who in ISRL Who's Who in SP

Who Are You?

(Individual or Institution)

LSIC-EE FG

NASA POC

Karen Stockstill-

LSIC-EE Subgroup

Randall Kirschman



