Extreme Environments Focus Group October Meeting

November 9, 2021



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C O N S O R T I U M

Today's Agenda

- LSIC Updates (Porter)
- Karen's Korner (Stockstill-Cahill)
- Featured Presentations (Subgroup Leads)
 - Subgroup Updates
- Open floor



LSIC Updates

Lunar Community Meetings

- The 53rd Lunar and Planetary Science Conference (LPSC)
 - https://www.hou.usra.edu/meetings/lpsc2022/
 - Hybrid conference on March 7–11, 2022

Funding Opportunities

- Over the Dusty Moon Challenge (Colorado School of Mines & Lockheed Martin)
 - https://www.overthedustymoon.com/
 - Webinar Nov 29, 2021 & Deadline for entries: Dec 20, 2021
- 2022 Breakthrough, Innovative and Game-Changing (BIG) Idea Challenge: Extreme Terrain Mobility Challenge
 - http://bigidea.nianet.org/competition-basics/
 - Proposal and Video deadline: January 18, 2022
- Please visit LSIC website for full list
 - <u>http://lsic.jhuapl.edu/Resources/Funding-Opportunities.php</u>



LSIC Updates

NASA STMD Announces RFI: Industry-Developed Tipping Point Technologies and Climate and Clean Energy Technologies for Early Stage Investment

- Topic and programmatic input for the next "Tipping Point" solicitation which seeks to advance key space technologies to a point beyond which industry, without further government investment, could then develop and qualify them for market.
- Topic input for early-stage investments in climate and clean energy technologies relevant to NASA's mission and STMD's crosscutting technology development role.
- Due: December 3, 2021 (5:00 PM Eastern Time)
- https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7b04F7D58A-6048-3278-20BC-FA243C02D534%7d&path=&method=init

NASA Seeks Spacesuit Services Proposals for Artemis, Space Station RFP

- Artemis moonwalkers exploring the lunar South Pole will wear revolutionary spacesuits that stand up to the Moon's harsh environment and keep them safe.
- Due: December 1, 2021
- https://sam.gov/opp/cbf17a8bb3954f33a0e70a6dc2b7754c/view

Lunar Exploration Analysis Group (LEAG): Community Datasets

- NASA's Planetary Science Division is interested in community-identified datasets that would be of priority for data restoration or preservation.
- Datasets will be posted on science.nasa.gov and will be referenced in relevant solicitations.
- Due: November 15, 2021 by COB
- Please email Amy Fagan (alfagan@wcu.edu)



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Moving your Nov/Dec subgroup meeting?

- Please send me an email with the changes
- I will add a footnote to you meeting information

Karen's Korner

Vacuum / Exosphere Environment

Created by Benjamin Greenhagen, last modified by Karen Stockstill-Cahill on Oct 28, 2021

Subgroup Lead: Stephen Indyk

Subgroup Lead Email: SJIndyk@honeybeerobotics.com

Monthly Meetings: 4th Thursday* of every month, 12 p.m. (Eastern time zone) Microsoft Teams meeting (computer or mobile app): <u>Click here to join the</u> <u>meeting</u>

Or call in (audio only): <u>+1 203-275-9914,,594242291#</u> United States, Bridgeport Phone Conference ID: 594 242 291#

***Note:** To avoid holiday weeks, the November and December meetings will be moved up by one week to the 3rd Thursday of the month at the same time. They will be held 18th November and 16th December.



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Karen's Korner

Subgroups Information & Subgroups Meeting Schedule

(Please see subgroup page for connection information.)

Subgroup	Meeting Time	Subgroup Lead	Institution of Subgroup Lead
Radiation Environment	3rd Wed.at 2 pm ET	Lawrence Heilbronn	University of Tennessee Knoxville
Regolith/ Surface Interface	4th Tues. at 1 pm ET	Melissa Roth	Off Planet Research
Space Weather / Plasma Environment	4th Mon. at 2 pm ET	Justin Likar	JHU Applied Physics Laboratory
Thermal & Illumination Environment	4th Fri. at 2 pm ET	Ahsan Choudhuri	University of Texas El Paso
Vacuum / Exosphere Environment	4th* Thurs. at 12 pm ET *3rd Th for Nov. & Dec. 2021	Stephen Indyk	Honeybee Robotics
External Hazards	ТВА	(Position open)	-

I will also adding a brief footnote to the listing on the main page too!

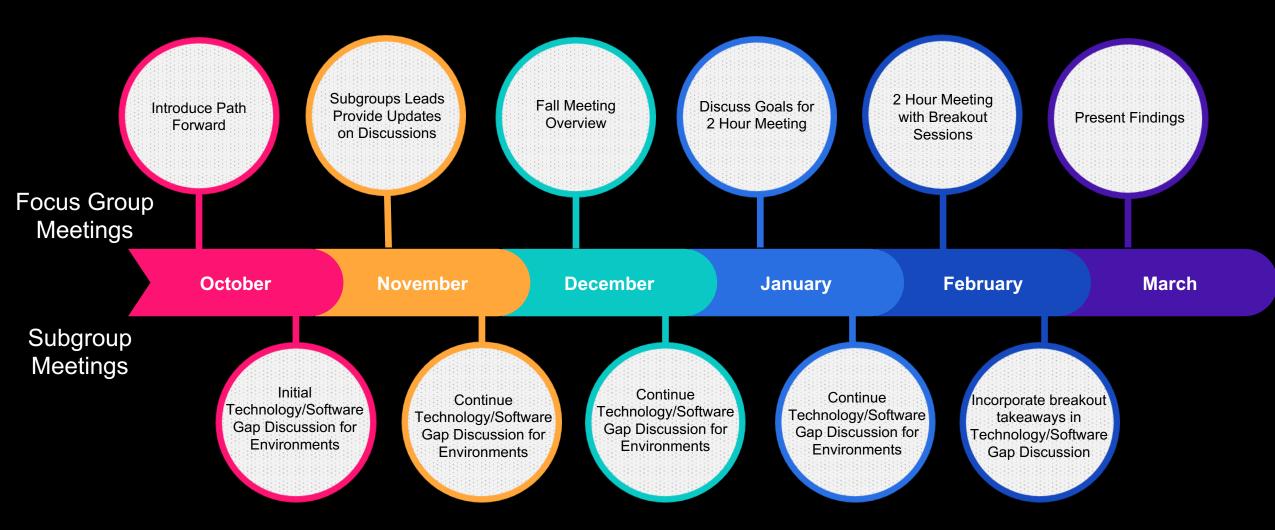
Please check the main page and your subgroup page to verify the information.

Please email me any changes (date, links, etc.)!



C O N S O R T I U M

EE Fall/ Winter Meeting Path Forward



* Joint TBD workshop with EA in late winter/early spring



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