

# Dust, Regolith, and Surface Interface STM

- Discussion-based format with speakers and crosstalks with other STMs or focus groups
- Topics we cover include- but are not limited to- regolith properties, regional regolith variation, environmental parameter effects on the regolith, regolith effects on technology on the surface, dust mitigation, comparisons between Earth and lunar environments, and open calls/RFIs



<https://lsic-wiki.jhuapl.edu/display/CC/Dust%2C+Regolith%2C+and+Surface+Interface>

*Monthly Meetings: 4th Tuesday of every month, 1pm ET*

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# DRSI Confluence Pages



## Resource Guide

<https://lsic-wiki.jhuapl.edu/display/CC/Dust%2C+Regolith%2C+and+Surface+Interface+Resource+Guide>



## Monthly Meeting Recordings

<https://lsic-wiki.jhuapl.edu/display/CC/DRSI+Monthly+Meeting+Recordings>



## Important Links and Resources

<https://lsic-wiki.jhuapl.edu/display/CC/DRSI%3A+Important+Links+and+Resources>

# 2024 Plans

## Estimating 8 meetings this year

- 2 crosstalks
- 2 non-crosstalk speakers
- 2 requested discussions
- 2 planned discussions

## In-person meeting meetups

- Lunch at LPSC
- Lunch or Dinner at LSIC Spring/Fall meetings

# Since the start of 2024...

January: 44 attendees, Requested discussion on the Stubbs Model

February: 67 attendees, Requested discussion from the Mobility STM

March: 59 attendees, LPSC recap of DRSI topics, Topics Not Discussed Enough (PSR Regolith, Dust Charging/Electrostatics, Contaminated Samples, Building Blocks, Testing in High Vac)

May: 33 attendees, LSIC Spring Meeting recap of DRSI topics, gather Crosstalk questions

June: 90 attendees, Plasma Environment/DRSI Crosstalk

## In-person meeting meetups

- Lunch at LPSC
- Dinner at LSIC Spring meeting with Vacuum STM

September-November Goals: 1 crosstalk, 2 invited speakers, LSIC Fall meetup

# Crosstalk Speakers

**Michael Zimmerman, JHUAPL: Effect of solar incidence angle on the plasma environment near a lunar lander**

**Christine Hartzell, University of Maryland: Dust charging and motion in the presence of a lunar lander or shadow**

**Addie Dove, University of Central Florida: Laboratory experiments with ties to relevant measurements on the Moon**

Next Meeting: September 24<sup>th</sup> at 1 pm ET

Looking for speaker suggestions (or topics)