



2024 FORUM AGENDA

All Team and Guest Presentations will take place in Salons D, E & F.
All times are listed in Central Time (CT).



MONDAY, JUNE 24, 2024

4:00 – 6:00 PM **Team Check-In, Poster Set-Up & Networking Event**
Grand Ballroom Pre-Function

TUESDAY, JUNE 25, 2024

7:15 – 8:20 AM **Breakfast**
Salons A, B & C

7:15 – 8:15 AM **Late Team Check-In & Poster Set-Up**
Grand Ballroom Pre-Function

8:30 – 8:45 AM **Welcome Remarks**

8:45 – 9:15 AM **Guest Speaker: Tony Beaver**
*HLS Mission Capabilities & Risk Reduction Lead
NASA's Marshall Space Flight Center*

9:20 – 10:05 AM **Texas A&M University**
"Maroon Moon: Preliminary Surface Stabilization to Mitigate Lunar Plume Surface Interaction"
Advisors: Dr. Jean-Louis Briaud & John Connolly

10:05 – 10:20 AM **Morning Break**
Grand Ballroom Pre-Function

10:20 – 11:05 AM **University of Illinois, Urbana-Champaign**
"HINDER: Holistic Integration of Navigational Dynamics for Erosion Reduction"
Advisors: Dr. Laura Villafañe Roca & Nicolas Rasmont

11:10 AM – 12:15 PM **Colorado School of Mines**
"Prudent Landers: Fresnel Lens Sintered Lunar Regolith Landing Pad"
Advisors: Dr. Angel Abbud-Madrid, Mark Florida & David Purcell

12:15 – 1:30 PM **Lunch**
Salons A, B & C

1:30 – 2:15 PM **Texas State University**
"Numerical Simulation and Physical Validation of Regolith Ejecta During Plume Surface Interaction"
Advisor: Dr. Bin Xiao

2:20 – 3:05 PM **Ohio Northern University**
"HuLC Smash"
Advisor: Dr. Louis DiBerardino

3:05 – 3:20 PM **Afternoon Break**
Grand Ballroom Pre-Function

3:20 – 4:05 PM **University of Michigan**
"ARC-LIGHT: Algorithm for Robust Characterization of Lunar surface Imaging for Ground Hazards and Trajectory"
Advisors: Dr. Mirko Gamba & Dr. Chris Ruf

4:05 – 4:10 PM **Wrap-Up & Announcements**

4:15 – 5:30 PM **Poster Session for Day 1 Teams**
Grand Ballroom Pre-Function

6:30 – 8:00 PM **Group Dinner**
Salons A, B & C

WEDNESDAY, JUNE 26, 2024

7:30 – 8:45 AM **Breakfast**
Salons A, B & C

8:55 – 9:00 AM **Welcome & Announcements**

9:00 – 9:45 AM **University of Colorado, Boulder**
"Lunar Surface Assessment Tool (LSAT): A Simulation of Lunar Dust Dynamics for Risk Analysis"
Advisor: Dr. James Nabity

9:50 – 10:35 AM **The College of New Jersey**
"TCNJ Adaptable Regolith Retention Program (TARRP)"
Advisor: Dr. Mohammed Alabsi

10:35 – 10:50 AM **Morning Break**
Grand Ballroom Pre-Function

10:50 – 11:35 AM **Texas A&M University**
"Synthetic Orbital Landing Area for Crater Elimination (SOLACE)"
Advisor: Dr. Helen Reed

11:40 AM – 12:25 PM **Embry-Riddle Aeronautical University**
"Plume Additive for Reducing Surface Ejecta and Cratering (PARSEC)"
Advisor: Dr. Siwei Fan

12:25 – 1:45 PM **Lunch**
Salons A, B & C

1:45 – 2:30 PM **University of California, San Diego**
"MOON Pads: Microwave-Sintering Operations of Nanophase-Iron Pads"
Advisors: Dr. Amy Eguchi, Dr. Zahra Sadeghizadeh & Dr. Ross Turner

2:35 – 3:20 PM **Embry-Riddle Aeronautical University**
"Ceramic Research Advancement Technology at Embry-Riddle (CRATER)"
Advisor: Dr. Seetha Raghavan

3:20 – 3:25 PM **Wrap-Up & Announcements**

3:25 – 3:40 PM **Afternoon Break**
Grand Ballroom Pre-Function

3:45 – 5:00 PM **Poster Session for Day 2 Teams**
Grand Ballroom Pre-Function

5:00 PM **Adjourn & Free Evening**

THURSDAY, JUNE 27, 2024

7:30 – 8:45 AM **Breakfast**
Salons D, E & F

9:00 AM – 12:00 PM **U.S. Space & Rocket Center Trip**
1 Tranquility Base, Huntsville, AL 35805

1:00 – 2:45 PM **Awards Ceremony Luncheon**
Salons D, E & F

3:00 PM **Adjourn**

Share the Livestream Link: <https://vimeo.com/showcase/hulc>