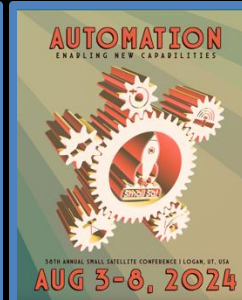




NASA Town Hall

August 5, 2024

2024 Small Satellite Conference
3-8 August 2024
Utah State University



Bruce D. Yost
Director, Small Spacecraft Systems Virtual Institute
www.nasa.gov/smallsat-institute

2024 NASA Town Hall Agenda



10:00-10:05AM – Welcome

Bruce Yost, Director, Small Spacecraft Systems Virtual Institute

10:05-10:15AM – Opening Remarks

Peg Luce, Deputy Associate Administrator for Programs (Acting)
NASA Science Mission Directorate

10:15-10:20AM – Small Spacecraft Coordination Group

Florence Tan, Chair, Small Spacecraft Coordination Group
Deputy Chief Technologist, NASA Science Mission Directorate

Science Mission Directorate

10:20-10:25AM – Earth Science Technology Office

Sachidananda R. Babu, Program Manager,
In-Space Validation of Earth Science Technologies Program

10:25-10:30AM – Astrophysics Division

Rosa Avalos-Warren, Program Executive

10:30-10:35AM – Heliophysics Division

David Cheney, Program Executive

10:35-10:40AM – Conjunction Assessment

Lauri Newman, Conjunction Assessment Program Officer

Space Technology Mission Directorate

10:40-10:45AM – Space Technology Mission Directorate

Christopher Baker, Program Executive, Small Spacecraft
Technology Program and Flight Opportunities Program

10:45-10:50AM – Small Spacecraft Technology (SST) Program

Roger Hunter, Program Manager

10:50-10:55AM – Flight Opportunities Program

Danielle McCulloch, Program Manager

10:55-11:00AM – SmallSat Technology Development

**Opportunities: The Small Business Innovation Research
Program and University Smallsat Technology Partnerships**
Samson Phan, Project Manager, SST

Space Operations Mission Directorate

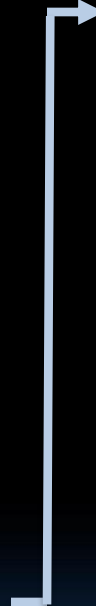
11:00-11:05AM – CubeSat Launch Initiative

Liam Cheney / Creg Raffington, CSLI Mission Managers, Launch
Services Program

11:05-11:10AM – Trajectory Operations and Planning Office

Ellery Bohrmann, ISS Flight Controller

11:10-11:45AM – Question & Answer Session



Small Spacecraft Systems Virtual Institute (S3VI)

National Aeronautics and Space Administration



Promoting Innovative Concepts

Building Community through:

Sharing Knowledge

- SmallSat LEARN Forum
- Community of Practice
- Mission Accomplished Webinar Series
- Access to Space Announcements
- S3VI Quarterly Newsletter
- Guidebook
- SmallSat/CubeSat Fleet Missions Database
- Adapting Mission Assurance

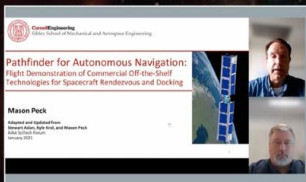
Building Tools

- Small Spacecraft Reliability Initiative Knowledge Base Tool
- Small Spacecraft Information Search
- State of the Art Report
- Space Mission Design Tools Collection
- Anomaly Alert Reporting System

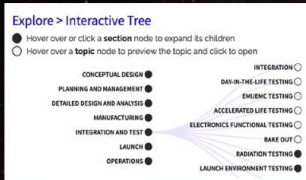
Connecting People and Ideas

- University Nanosatellite Program Participation (AFRL)
- University SmallSat Technology Partnerships
- Cross-Agency Collaboration
- Interagency Collaboration
- United Nations Office for Outer Space Affairs (UNOOSA) Systems Engineering Webinar Series

Community of Practice Webinar Series



Small Spacecraft Reliability Initiative Knowledge Base



Identifying Emerging Technology Opportunities

www.nasa.gov/smallsat-institute



Small Spacecraft Technology State of the Art Report



Small Spacecraft Information Search



S3VI Web Portal



S3VI Newsletter



SmallSat / CubeSat Fleet Chart



NASA SmallSat LEARN Forum



LaunchPortal: Potential Rideshare Opportunities

Mission Name	Launch Date (INT)	Primary Orbit	Payload (kg)	Frequency (Hz)	Injection (deg)	Insertion (days)	Database Adapter
JP10-3	11/02	Low	810	019	125.02AN		None (LEO Customers surrounding LP ID opportunity) (see Database opportunities available)
MAP	3/1/25	L1				38	CS max 4.5
SPHEREX	3/28/25	SBO	600	600	600	600	600
JP10-3	2023-0227	SBO					1330
COSE	2025-09	LEO	500	500	5		180
SEVIL	2025-11	LEO	1300	1300	66		180
SEVIL	2026-05	L1					180
MAUSE	2023-04	SBO	600	600	67.6		180
YIP10-12	2026-1020	Venus					180



Small Spacecraft Systems Virtual Institute Products & Activities

The S3VI provides the SmallSat research community with access to mission enabling information and maintains engagement with small spacecraft stakeholders in industry, government and academia. The S3VI resources listed below are available to all at:

<https://www.nasa.gov/smallsat-institute/>

Community of Practice Webinar Series

Small Spacecraft Reliability Initiative
Knowledge Base Tool

LaunchPortal

Small Spacecraft Guidebooks

United Nations Office of Outer Space (UNOOSA)
Systems Engineering Webinar Series

NASA Small Spacecraft State of the Art
Report

S3VI WebPortal

LEARN Forum + Other Co-Hosted
Activities

Small Spacecraft Information Search

University Nanosatellite Program
Participation (AFRL)

S3VI is sponsored by NASA's Space Technology Mission Directorate

NASA Exhibit Hall

Taggart Student Center Ballroom

Visit us in our new location in the Taggart Student Center Ballroom



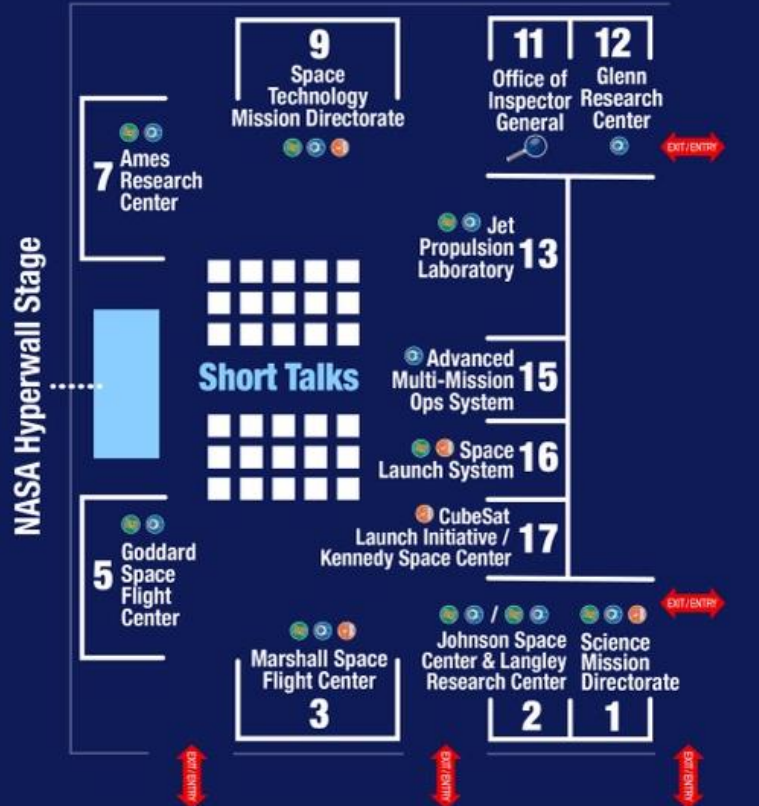
First time NASA exhibitors:

- Glenn Research Center
- Johnson Space Center
- Langley Research Center
- Office of the Inspector General

NASA Hyperwall is co-located in the NASA exhibit area this year and will host:

- NASA Short Talks
- NASA Programming

Visit kiosks located in the NASA exhibit area for exhibit information.



NASA-Sponsored Activities at SmallSat – At a Glance



Activity	Date	Time (s) MT	Description / Title / Moderator	Location
NASA Town Hall	Aug 5	10AM-11:45AM	NASA mission directorate and program status, announcements	ESLC 130
NASA Exhibits	Aug 5-8	Open hours	NASA mission directorates, centers, and program exhibits	Taggart Student Center (TSC) Ballroom
NASA Short Talks	Aug 6	9:45-10:45AM	Session #1: NASA Leadership Panel – Opportunities for the SmallSat Community Moderator: <i>Florence Tan, NASA HQ</i>	NASA Hyperwall, TSC Ballroom
NASA Short Talks	Aug 6	3:30-4:30PM	Session #2: NASA Collaborations and Partnerships Moderator: <i>Catherine Venturini, The Aerospace Corporation</i>	NASA Hyperwall, TSC Ballroom
NASA Short Talks	Aug 7	9:45-10:45AM	Session #3: Infusion Stories – Utilizing NASA STMD Mechanisms to Develop Technology Moderator: <i>Les Johnson, NASA MSFC</i>	NASA Hyperwall, TSC Ballroom
NASA Short Talks	Aug 7	3:30-4:30PM	Session #4: SmallSat Development Roadmap from Education to Flight Moderator: <i>Anh Nguyen, Bryce / NASA HQ</i>	NASA Hyperwall, TSC Ballroom
NASA Short Talks	Aug 8	9:45-10:45AM	Session #5: University SmallSat Updates Moderator: <i>Anh Nguyen, Bryce / NASA HQ</i>	NASA Hyperwall, TSC Ballroom
NASA Hyperwall	Aug 5-8	Open hours	NASA Short Talks, NASA Programming	Taggart Student Center (TSC) Ballroom

2024 Small Satellite Conference – Utah State University Map



CONFERENCE MAP SMALL SATELLITE 2024

1 Aggie Recreation Center (ARC)

All Technical Sessions
Weekend Posters

2 Fieldhouse (FH)

★ Registration: Check-in 7:30 am - 5:00 pm
Commercial Exhibits, Weekday Posters, Swifties

3 Taggart Student Center (TSC)

Commercial Exhibits, University Student Exhibits

Side Meeting Locations

4 Eccles Science Learning Center (ESLC)

5 David B. Haight Center (DBHC)

6 Old Main (OM)

7 University Inn (UI)

8 Geology (GEOL)

9 Life Sciences Building (LSB)

10 Eccles Conference Center (ECC)

11 AG Science (AGRS)

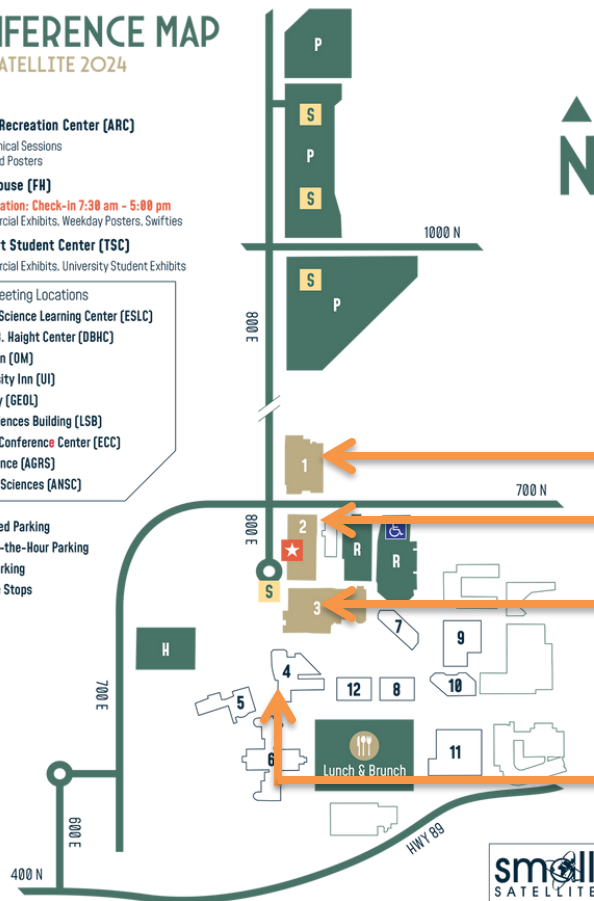
12 Animal Sciences (ANSC)

R Reserved Parking

H Pay-by-the-Hour Parking

P Free Parking

S Shuttle Stops



Aggie Recreation Center
- Keynote Address
- All Technical Sessions

Taggart Student Center
- NASA Exhibits
- NASA Short Talks
- Hyperwall

ESLC
- NASA Town Hall

Fieldhouse
- Swifties
- Posters