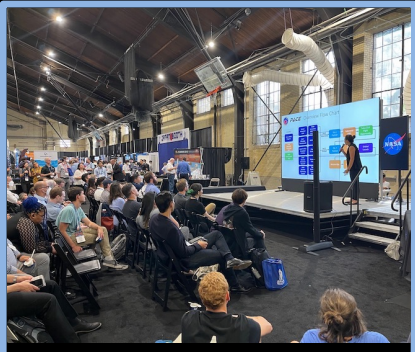
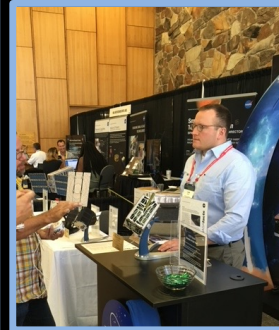




NASA Town Hall

August 7, 2023

2023 Small Satellite Conference
5-10 August 2023
Utah State University



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

2023 NASA Town Hall Agenda



10:00 10:05AM Welcome from the S3VI
Bruce Yost, Director, S3VI

10:05 10:15AM Opening Remarks
Christopher Baker, Program Executive,
Small Spacecraft Technology and Flight Opportunities Programs
NASA Space Technology Mission Directorate

10:15 10:20AM Small Spacecraft Coordination Group
Florence Tan, Chair, Small Spacecraft Coordination Group
Deputy Chief Technologist, Science Mission Directorate

Science Mission Directorate

10:20 10:25AM Planetary Science Division
Joe Parrish, Manager, Mars Exploration Program

10:25 10:30AM Planetary Science Division
William Knopf, Program Executive, AMMOS and Psyche

10:30 10:35AM Astrophysics Division
Rachele Cocks, Program Executive

10:35 10:40AM Earth Science Technology Office
Sachidananda R. Babu, Program Manager,
Technology Validation Program

10:40 10:45 Heliophysics Division
David Cheney, Program Executive

10:45 10:50 SMD Rideshare Office
Alan Zide, Program Executive, Heliophysics

10:50 10:55AM Conjunction Assessment Program
Lauri Newman, Program Officer

10:55 11:00AM Space Technology Mission Directorate
Justin Treptow, Deputy Program Executive, Small Spacecraft
Technology and Flight Opportunities Programs

11:00 11:05AM Small Spacecraft Technology (SST) Program
Roger Hunter, Program Manager

11:05 11:10AM Flight Opportunities Program
Danielle McCulloch, Program Manager

**11:10 11:15AM SmallSat Technology Development
Opportunities: The Small Business Innovation Research (SBIR)
Program and University Smallsat Technology Partnerships (USTP)**
Rodolphe De Rosee, Program Systems Engineer, SST

11:15 11:20AM CubeSat Launch Initiative
Norman Phelps, Launch Service Program, CSLI/ELaNa Lead

11:20 12:00PM Question & Answer Session

NASA Side Meetings - 2023 SmallSat Conference



Side Meetings

<https://smallsat.org/extras/side-meetings>

SATURDAY, AUGUST 5

LOCATION

■ 6:00PM MT **NASA JPL F Prime Open Source Flight Software Tutorial Day 1** UI 507
— NASA Jet Propulsion Laboratory / California Institute of Technology

SUNDAY, AUGUST 6

■ 6:00PM MT **NASA JPL F Prime Open Source Flight Software Tutorial Day 2** UI 507
— NASA Jet Propulsion Laboratory / California Institute of Technology

MONDAY, AUGUST 7

■ 10:00AM MT **NASA Town Hall** — NASA Small Spacecraft Systems Virtual Institute ESCL 130 (Auditorium)

■ 3:30PM MT **Distributed Systems Missions (DSM) and the NASA Operational Simulator for Small Satellites (NOS3)** — NASA Goddard Space Flight Center ESLC 46

■ 3:30PM MT **NASA JPL F Prime Open Source Flight Software Product Line** OM 225
— NASA Jet Propulsion Laboratory / California Institute of Technology

WEDNESDAY, AUGUST 9

■ 3:30PM MT **Exploring Mars Together: Draft Plan for a Sustainable Future for Science at Mars** — NASA Headquarters Planetary Science Division LSB 133

Additional NASA Participation in the 2023 SmallSat Conference



24 NASA
Technical
Presentations
/ Papers

Sat – Thurs
Various Times

Aggie Rec
Center &
Plenary
Session
(TSC)

21 NASA
Short Talks

Tues & Wed
3:30-4:30PM

Hyperwall
Stage
(Fieldhouse)

8 NASA
Swiftly Talks

Tues - Thurs
9:45-10:45AM

Hyperwall
Stage
(Fieldhouse)

9 NASA
Posters

Various
Times

Poster
Session
(Fieldhouse)

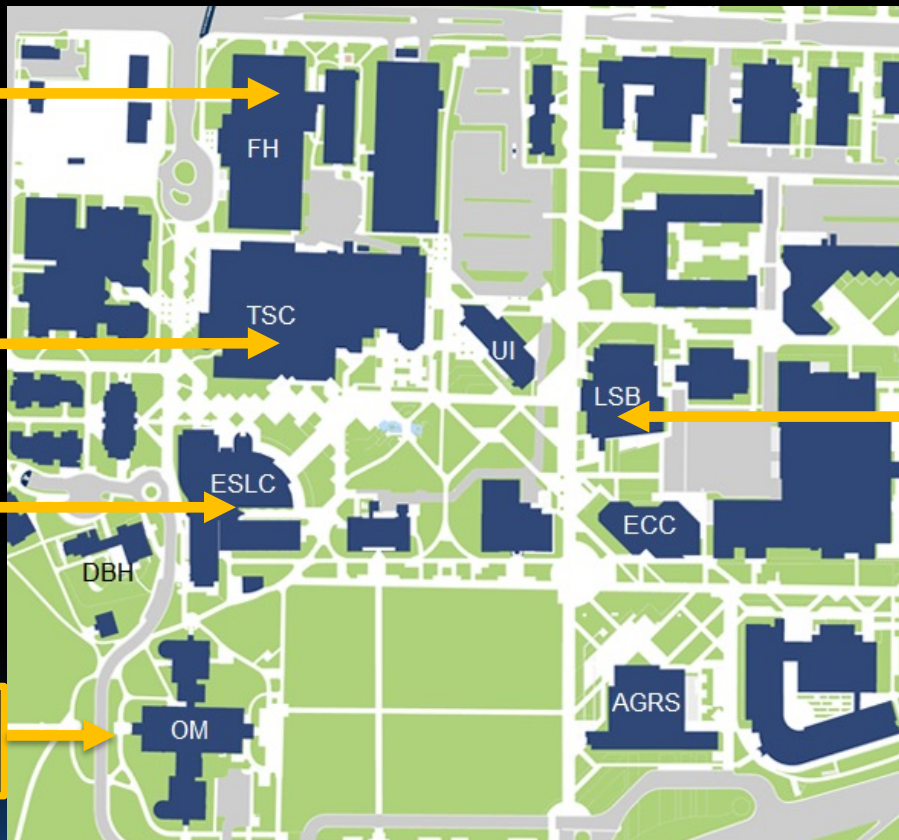
9 NASA
Exhibits

Booths
74-82

NASA
Lounge
(TSC)

*Includes both primary and co-authored papers and presentations

Location of NASA Activities - 2023 Small Satellite Conference



- NASA Short Talks
- Swifties
- Posters
- NASA Hyperwall Visuals

- Technical Talks
- NASA Exhibit Booths

- NASA Town Hall
- NOS3 Side Meeting

- F Prime Flight Software
- Side Meeting

- NASA Community
- Mtg & Exploring
- Mars Together Side
- Meeting

*NASA technical talks include both NASA primary and co-authored papers and presentations

Small Spacecraft Systems Virtual Institute (S3VI)



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
- CubeSat 201

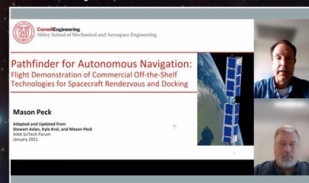
Building Tools

- 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

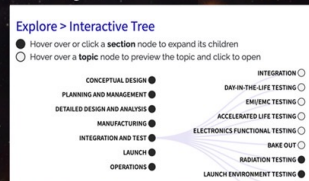
Connecting People and Ideas

- Industry Days Webinar Series
- SmallSat Technology Partnerships – TechExpo
- Cross-Agency Collaboration

Community of Practice Webinar Series



Small Spacecraft Reliability Initiative Knowledge Base



Identifying Emerging Technology Opportunities

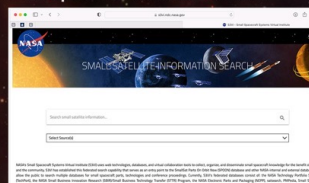
www.nasa.gov/smallsat-institute



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 (NET)	Primary Orbit	Propagator (Days)	Injection (Days)	Injection (km)	Rideshare Adapter
SPS-2	1/11/22	SRL	810	810	1325 LTAN	None
MAMP	2/18/25	L1	38	0.5	C3 max v1	None
SPHEREX	2/08/25	SBO	650	650	Keen MLTAN	Full EPA (no additional rideshare opportunities available)
SPS-3	2025-2027	SBO			1320	EPSC Grande Jps
LOGS	2025/09	LEO	500	500	5	MLTAN
SENTINEL 6B	2025/11	LEO	1326	1326	66	T80
MSD	2026/05	L1				C3 max
ENVISOR	2027/04	SBO	620	620	97.9	Keen MLTAN
WISE	2028-2029	Venus				C3-17



National Aeronautics and
Space Administration



Meet a NASA Program Executive / Project Manager

Have a question about SmallSat funding for science, or how to access launch opportunities for your SmallSat payload, or maybe have a question about a recent NASA SmallSat mission?

Bring your questions to the NASA Exhibit Lounge during select afternoon and morning breaks to speak with NASA program executives, program managers, and investigators engaged in NASA SmallSat efforts.

Each day NASA staff from different, but related organizations or topic areas, will be on hand to speak with you.

Join us in the NASA Exhibit Lounge in the Taggart Student Center.

We're looking forward to meeting you!

MONDAY, AUGUST 7

3:30 - 4:30PM MT

Access to Space and Conjunction Assessment

Danielle McCulloch

Program Manager, Flight Opportunities Program

Lauri Newman

*Conjunction Assessment Program Officer,
Science Mission Directorate*

Norman Phelps

Launch Service Program, CSL/ELaNe Lead

TUESDAY, AUGUST 8

9:45AM - 10:45AM MT

NASA Science

David Cheney

Program Executive, Heliophysics Division

Rachele Cocks

Program Executive, Astrophysics Division

Florence Tan

Deputy Chief Technologist, Science Mission Directorate

Alan Zide

Program Executive, Heliophysics Division

WEDNESDAY, AUGUST 9

9:45AM - 10:45AM MT

NASA Project Management

John Hudeck

Deputy Chief, Small Satellite and Special Projects Office

Tom Johnson

Project Manager, Astrophysics and Heliophysics Portfolios

Matthew Napoli

Project Manager, RioSentinel

THURSDAY, AUGUST 10

9:45AM - 10:45AM MT

NASA Mission / Project Management

Elwood Agasid

*Deputy Program Manager, Small Spacecraft Technology
Program/Project Manager, CAPSTONE*

Samuel Pedrotty

*Project Manager, Realizing Rapid, Reduced-cost
High-Risk Research (R5)*

NASA at the 2023 SmallSat Conference - Resources

NASA@SmallSat2023 Guide



NASA Town Hall Presentations*



*NASA Town Hall presentations will be posted by Thursday, August 10.