National Aeronautics and Space Administration

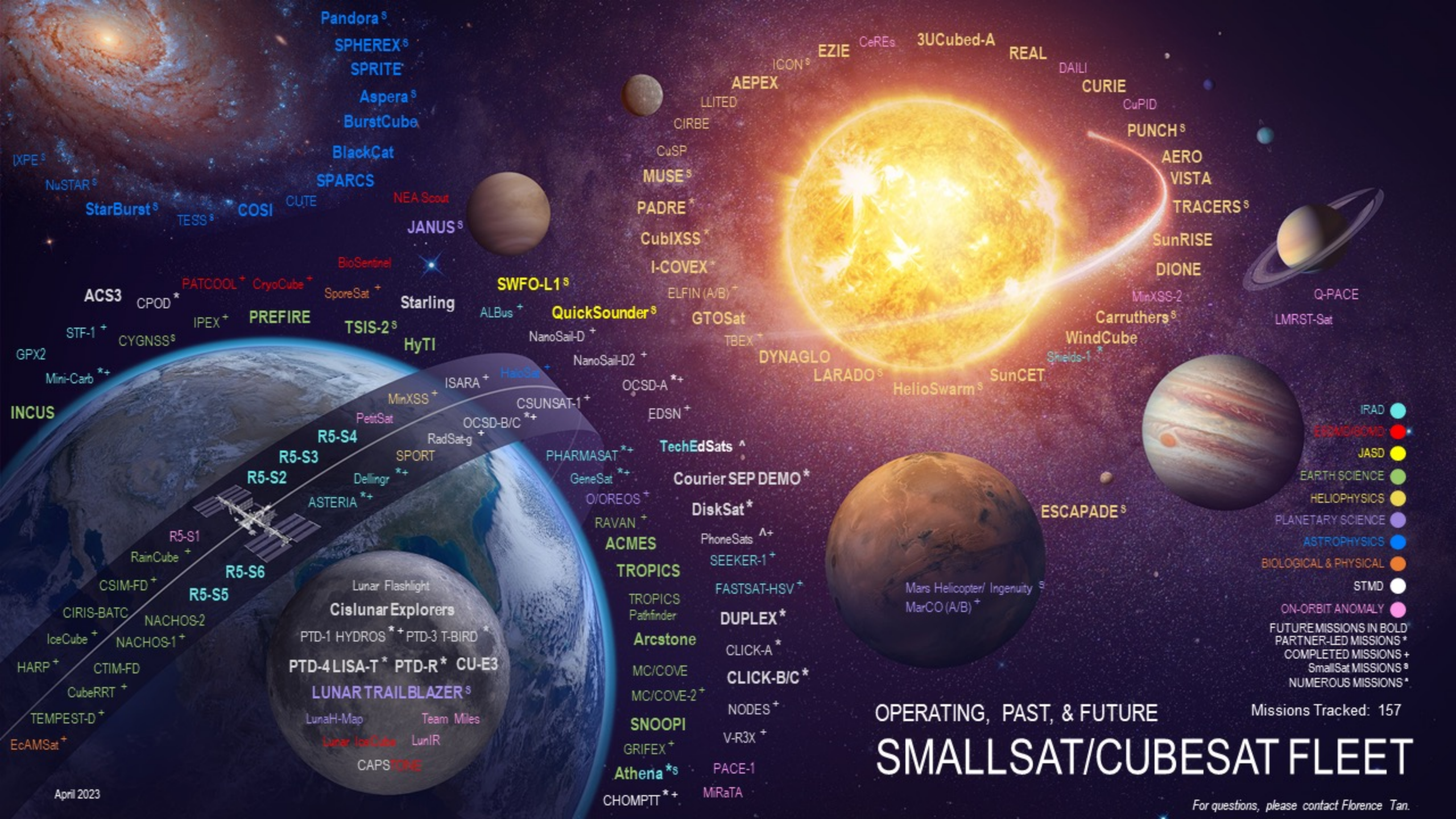
NASA SmallSat LEARN Forum Introduction

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National Aeronautics and Space Administration Small Satellite Learning from Experience, Achievements and Resolution Navigation Forum





OPERATING, PAST, & FUTURE

Missions Tracked: 157

SMALLSAT/CUBESAT FLEET

For questions, please contact Florence Tan.

NASA SmallSat LEARN Forum

Learning from Experience, Achievements and Resolution Navigation

- LEARN is a comprehensive approach to information exchange, community discussions and networking
- Execution of LEARN
  - Bi-monthly virtual mission introductions and community discussions
  - Yearly in-person gathering for information exchange and networking
  - Online platform for community engagement
  - Online repository of issues, risks and lessons learned
  - Website
- LEARN Forum is primarily for NASA-funded missions principal investigators, systems engineers and project managers

Virtual Meeting

- Frequency: every 2 months
- Format: 1.5-hour meeting
  - 15 min: Mission 1 introduction, issues, risks and lessons learned
  - 15 min: Mission 2 introduction, issues, risks and lessons learned
  - 15 min: Mission 3 introduction, issues, risks and lessons learned
  - 45 min: Open community discussion and missions Q&A
- Attendance: request invitation and access using the LEARN Forum website

https://www.nasa.gov/smallsat-institute/LEARN

In-Person Forum

- Frequency: once a year around October
- Location: varies every year (WFF 2022, LaRC 2023)
- Format: 2 days of presentations, panel discussions, classes, workshops and facility tours
- Attendance: request invitation using the LEARN Forum website. Registration not open yet for 2023. An email will be sent to the distribution list once registration is open.

2022 In-Person Forum @ Wallops Flight Facility



2022 In-Person Forum Agenda

October 25 Agenda

TIME	SESSION	SPEAKER(S)
7:30-8:30 AM	REGISTRATION/CHECK-IN	
8:30-8:45 AM	WELCOME AND WALLOPS FLIGHT FACILITY OVERVIEW	DAVID PIERCE
8:45-8:50 AM	SAFETY, LOGISTICS, SCHEDULE	ERIN MAJEROWICZ
8:50-9:05 AM	LEARN INTRODUCTION	FLORENCE TAN
9:05-9:15 AM	ANNOUNCEMENTS	BRUCE YOST
9:15-9:45 AM	SMALLSAT SPACECRAFT BUS STATE-OF-THE-ART	LUIS SANTOS
9:45-10:00 AM	BREAK	
10:00-11:00 AM	SMALLSAT ENGINEERING PANEL	MODERATOR: LUIS SANTOS PANELISTS: ALAN RHODES, GREG DECHAINE, DAVID HINKLEY, KERRY GONZALES and MICHAEL SAING
11:00-11:30 AM	SPECIAL TOPIC 1: SMD RIDESHARE	ALY MENDOZA-HILL
11:30-1:00 PM	LUNCH	
1:00-2:00 PM	SMALLSAT PI/PM PANEL	MODERATOR: EFTHYIA ZESTA PANELISTS: RICK KONHERT, AMIR CASPI, DANIEL KOCEVSKI, ANH NGUYEN and WILLAM BLACKWELL
2:00-2:30 PM	SPECIAL TOPIC: CARA INTRODUCTION	JOSHUA KRAGE
2:30-2:45 PM	BREAK	
2:45-3:30 PM	STMD SPECIAL TOPIC	JUSTIN TREPTOW
3:30-4:00 PM	SPECIAL TOPIC 3: COSTING TOOLS	MICHAEL SAING
4:00-5:00 PM	OPEN FORUM	MODERATOR: FLORENCE TAN

October 26 Agenda

TIME	E-104, ROOM 116	E-104, ROOM 214	E100 AUDITORIUM
8:30-9:30 AM	RADIATION EFFECTS & EEE PARTS SELECTION *MICHAEL CAMPOLA*	F PRIME OPEN-SOURCE FLIGHT SOFTWARE PRODUCT LINE *TIM CANHAM & JEFFREY LEVISON*	WALLOPS ISLAND TOUR
9:30-10:30 AM	GUIDE TO WORKING WITH THE NASA SHARED SERVICES CENTER (NSSC) *JIM HIBBS*	MISSION CORNER: ACTIVE THERMAL CONTROL FOR MULTISPECTRAL EARTH SENSORS (ACME) *LUCAS ANDERSON*	
10:30-11:30 AM	SAFETY AND MISSION ASSURANCE FOR SMALLSATS *JESSE LEITNER*	ANOMALIES REPORTING *CRAIG BURKHARD & VICKY LE*	
11:30-12:30 PM	*LUNCH AT THE ROCKET CLUB*		
12:30-1:30 PM	INTRODUCTION TO SMALL SPACECRAFT SYSTEMS VIRTUAL INSTITUTE (S3VI) TOOLS *CRAIG BURKHARD & ROBBIE ROBERTSON*		
1:30-2:30 PM	CONJUNCTION ASSESSMENT RISK ANALYSIS (CARA) IMPLEMENTATION *JOSHUA KRAGE*	COMMUNICATIONS LICENSING 101 *WILLIAM HORNE*	MAIN BASE TOUR
2:30-3:30 PM	ORBITAL DEBRIS ASSESSMENT REPORT (ODAR) OVERVIEW *CHRISTOPHER OSTROM*	CYBERSECURITY/ ENCRYPTION *REYNALDO ANZALDUA*	
3:30-4:30 PM			CLOSING SESSION: HQ OFFICE HOUR & LEARN FORUM FEEDBACK *FLORENCE TAN*

Online Community Engagement

- Linked-In group by the community for the community
- Single place to engage with the NASA SmallSat community
  - Ask questions
  - Share information
  - Create new contacts

https://www.linkedin.com/groups/14097449/

Online Repository

IN THE WORKS

- The main purpose is to collect issues, risks and lessons learned into a single online searchable tool
- Most likely will be tied with the Small Satellite Reliability Initiative (SSRI) Knowledge Base website

LEARN Forum Website

https://www.nasa.gov/smallsat-institute/LEARN

- LEARN Forum Overview – registration link
- Upcoming Session information
- In-Person Forum information
- Contact Us
- Session Archive

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