

## Conference Details

The CubeSat Developers Workshop is the only conference in the world dedicated to the unique issues of developing, designing, manufacturing, testing, and operating nano-satellites (<10kg) and pico-satellites (<1kg).

The CubeSat Developers Workshop is held twice a year; in the spring and in the fall held in conjunction with the Small Sat Conference in Logan Utah. This year, the spring Workshop will be held on the campus of Cal Poly San Luis Obispo, returning to the roots of the program. This will be the 5<sup>th</sup> annual CubeSat Developer’s Workshop.

## Schedule

Time	Activity	Location
<b>Wednesday</b> <b>9-Apr-08</b>		
8:00 am–9:00 am	Registration/Continental Breakfast Sponsored by Boeing	Advanced Technology Center Lobby/ Bonderson Building
9:00 am–9:45 am	Opening Introductions / Welcomes	Advanced Technology Center
	<b>Session 1:</b> <b>New CubeSat Developers</b> <i>Chair: Bob Twiggs</i> <i>Stanford University</i>	
9:45 am–10:05 am	Building a CubeSat, the Learning Curve <i>Bob Twiggs, Stanford University</i>	Advanced Technology Center
10:05 am-10:25 am	CubeSat EPS System Construction <i>Chris Day, The Boeing Company</i>	Advanced Technology Center
10:25 am-10:40 am	1st Generation Picosat Bus with Optical Imaging <i>Kiril Dontchev, University of Michigan</i>	Advanced Technology Center
10:40 am-10:55 am	HiNCube <i>Frode Knapstad, HiNCube</i>	Advanced Technology Center
10:55 am-11:10 am	University of Hawaii CubeSat <i>Zachary Lee-Ho, University of Hawaii</i>	Advanced Technology Center
11:10 am-11:25 am	OuFTI-1: CubeSat of University of Liege <i>Amandine Denis, University of Liege</i>	Advanced Technology Center
11:25 pm-11:40 pm	Pumpkin Kit <i>Andrew Kalman, Pumpkin Inc.</i>	Advanced Technology Center
11:40 am–12:30 pm	Poster Sessions: Part I	Bonderson Building

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12:30 pm- 1:30 pm	Poster Sessions I/ Lunch Sponsored by Boeing	Bonderson Building
	<b>Session 2: Innovations/ Novel Avionics</b> <i>Chair: Scott MacGillivray</i> <i>Boeing IDS, Advanced Network &amp; Space Systems</i>	
1:30 pm-1:50 pm	Miniature Digital Sun Sensor for Application in Nano- and Picosatellites <i>Artur Scholz, National Cheng Kung Univ.</i>	Advanced Technology Center
1:50 pm-2:10 pm	CubeSat Cam <i>Ivan Luna et. Al, Universidad Sergio Arboleda</i>	Advanced Technology Center
2:10 pm-2:30 pm	On Discriminating Cubesats Launched Together <i>Michael Cousins, SRI International</i>	Advanced Technology Center
2:30 pm-2:50 pm	A Survey of Micro-Thrust Propulsion Options for Microspacecraft and Formation Flying Missions <i>Juergen Mueller et. Al, JPL</i>	Advanced Technology Center
2:50 pm-3:10 pm	Title: TBD, uClinux <i>Jashan Bhatti, University of Texas at Austin</i>	Advanced Technology Center
3:10 pm- 4:00 pm	Poster Session II/ Afternoon Break Sponsored by Boeing	Advanced Technology Center Lobby/ Bonderson Building
4:00 pm-4:20 pm	Title TBD, Software Upload <i>Matthew Triche, UL Lafayette</i>	Advanced Technology Center
4:20 pm-4:40 pm	Title TBD, Standard Bus- 3 Unit <i>Alex Ghosh et. Al, University of Illinois</i>	Advanced Technology Center
4:40 pm-5:00 pm	Flexible Digital Power Management Sys. <i>Anand Ramamurthy, North Carolina State University</i>	Advanced Technology Center
5:00 pm-5:20 pm	TBD <i>TBD</i>	Advanced Technology Center
6:00 pm- 8:00 pm	Optional Social Dinner @TBD	
<b>Thursday 10-Apr-08</b>		
7:30 am-8:30 am	Registration/Continental Breakfast Sponsored by Northrop Grumman	Advanced Technology Center Lobby/ Bonderson Building
8:30 am – 8:45 am	Opening Comments / News Updates	Advanced Technology Center
8:45 am- 9:20 am	Special Announcements	Advanced Technology Center

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	<b>Session 3: Nano-Satellites</b> <i>Chair: Dave Klumpar Montana State University</i>	
9:20 am-9:40 am	Title: TBD, pSAT I <i>Can Kurtulus, Istanbul Tech University</i>	Advanced Technology Center
9:40 am-10:00 am	OPTOS <i>Cesar Martinez, INTA</i>	Advanced Technology Center
10:00 am-10:30 am	Morning Break	Advanced Technology Center Lobby/ Bonderson Building
10:30 am-10:50 am	Small Sat Scientists Looks at NanoSat Capabilities <i>Dr. John P. Doty, Noqsi Aerospace, Ltd.</i>	Advanced Technology Center
10:50 am-11:10 am	Space Buoy <i>J.D. Glenn et.al, Montana State Univ.</i>	Advanced Technology Center
11:10 am-11:30 am	Small Satellites working together to accomplish Big Missions <i>Hobson Lane, Northrop Grumman</i>	Advanced Technology Center
11:50 am-12:10 pm	Networking for NanoSats <i>Luke Stras, Stras Space</i>	Advanced Technology Center
12:10 pm-1:00 pm	Lunch Sponsored by Northrop Grumman	Advanced Technology Center Lobby/ Bonderson Building
	<b>Session 4: : Access to Space</b> <i>Chair: Byron Wolfe University of Hawaii</i>	
1:00 pm-1:20 pm	EELV Secondary and Small Payload Accomodations <i>Dr. Gerard Szatkowski, ULA</i>	Advanced Technology Center
1:20 pm-1:40 pm	Report of NASA Student Collaboration Definition Team: The Student Perpsective <i>Mark Hammergren, Adler Planetarium</i>	Advanced Technology Center
1:40 pm-2:00 pm	RocketPod <i>Rex Ridenoure et. Al, Ecliptic Enterprises Corporation</i>	Advanced Technology Center
2:00 pm-2:20 pm	University of Hawaii Space Flight Laboratory <i>Wayne Shiroma, University of Hawaii</i>	Advanced Technology Center
2:20 pm-2:40 pm	Updates on the P-POD <i>Cal Poly CubeSat Team</i>	Advanced Technology Center
2:40 pm-3:00 pm	TBD	Advanced Technology Center

	TBD	
3:00 pm–3:30 pm	Afternoon Break Sponsored by Northrop Grumman	Advanced Technology Center Lobby/ Bonderson Building
	<b>Session 5: Groundstations Operations</b> <i>Chair: Kyle Leveque SRI International</i>	
3:30 pm-3:50 pm	CubeSat Communications Systems <i>Bryan Klofas and Kyle Leveque, Cal Poly</i>	Advanced Technology Center
3:50 pm-4:10 pm	Software Defined Radio Approach for the Implementation of Ground Station Receivers <i>Prof. Jyh-Ching Juang, Mr. Chiu-Teng Tsai, National Cheng Kung University</i>	Advanced Technology Center
4:10 pm-4:30 pm	CAPE 2 Educational Radio <i>Chirstopher Mancuso, University of Louisiana Lafayette</i>	Advanced Technology Center
4:30 pm-4:50 pm	GENSO <i>Jason Anderson, Cal Poly</i>	Advanced Technology Center
4:50 pm-5:10 pm	Software Defined Groundstations <i>James Cutler, Stanford University</i>	Advanced Technology Center
6:00 pm– 9:00 pm	Evening Banquet Sponsored by Raytheon	Madonna Inn
<b>Friday</b> <b>11-Apr-08</b>		
7:30 am–8:30 am	Registration/ Continental Breakfast Sponsored by Boeing	Advanced Technology Center Lobby/ Bonderson Building
8:30 am – 8:45 am	Opening Comments / News Updates	Advanced Technology Center
8:45 am–9:20 am	<b>Keynote Presentation</b> <i>Craig Elder, Northrop Grumman Space Overview of LCROSS mission</i>	Advanced Technology Center
	<b>Session 6: Unique Missions</b> <i>Chair: John Hines NASA Ames</i>	
9:20 am-9:40 am	Flight Proof-of-Concept of Miniaturized Instrumentation and Operations for Geospace Sceince Missions in a CubeSat Architecture <i>Mark Wilkinson, Space Dynamics Laboratory</i>	Advanced Technology Center

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9:40 am-10:00 am	CubeSat-UD COL-1 Mission <i>Ernesto Gomez, Vargas, Lilia Edtih Aparicio Pico, Universidad Distrital Francisco Jose de Caldas</i>	Advanced Technology Center
10:00 am-10:20 am	Explorer-I (Prime) <i>Celena Byers, et. Al, Montana State University, SSEL</i>	Advanced Technology Center
10:20 am-10:40 am	Morning Break	Advanced Technology Center Lobby/ Bonderson Building
10:40 am-11:00 am	KySat <i>Tyler Doeing, KySat</i>	Advanced Technology Center
11:00 am-11:20 am	NanoSail-D <i>Edward Montgomery IV, et.al, NASA MSFC</i>	Advanced Technology Center
11:20 am-11:40 am	NASA Ames Missions <i>NASA Ames</i>	Advanced Technology Center
11:40 am-12:00 am	From Unisat to UniCubeSat: The experience of the University of Roma <i>Chantal Cappelletti, et.al, University of Roma La Sapienza</i>	Advanced Technology Center
12:00 am-12:20 pm	TBD <i>TBD</i>	Advanced Technology Center
12:20 pm-1:20 pm	<b>NSF Grant Proposal Overview</b> <i>Dr. Therese Jorgensen, NSF</i>	Advanced Technology Center
1:20 pm-2:20 pm	Lunch Sponsored by Boeing	Advanced Technology Center Lobby/ Bonderson Building
2:20 pm- 3:50 pm	<b>Technical Interchange Session I</b> <b>Track A: Structure</b> <b>Track B: Power</b>	Advanced Technology Center Bonderson Club Room
3:50 pm-4:10 pm	Afternoon Break Sponsored by Boeing	Advanced Technology Center Lobby/ Bonderson Building
4:10 pm-5:40 pm	<b>Technical Interchange Session II</b> <b>Track A: Launch Opportunities</b> <b>Track B: Communication and Ground Station</b>	Advanced Technology Center Bonderson Club Room
6:00 pm -9:00 pm	Optional no host dinner @TBD	
	2008 CubeSat Developers Workshop ends	

Conference schedule is subject to change