

Tuesday April

Time	Presentation Title
9:00 AM	Short Organ Performance and Keynote Introduction
9:15 AM	Key Note Address I
10:00 AM	BREAK
10:30 AM to 12:15 PM	FLIGHT MISSIONS
10:30 AM	MarCO at Mars
10:45 AM	Twin CubeSats: from Concept to LEO in 8 Weeks
11:00 AM	Recent Flight Experiences of Blue Canyon Technologies Spacecraft, ADCS, and Components
11:15 AM	Early Results and Potential Earth Science Applications: Temporal Experiment for Storms and Tropical Systems Technology Demonstration (TEMPEST-D) 6U CubeSat Mission
11:30 AM	DAVE Mission Results
11:45 AM	ZACube-2 - Launch and Early Operations Phase
12:00 PM	RainCube, a Ka-band precipitation radar mission in a CubeSat
12:15 PM	LUNCH
1:30 PM to 3:15 PM	BIG PICTURE
1:30 PM	NASA's Strategic Goals for Small Spacecraft Science, Technology, and Exploration Development
1:45 PM	Developing CubeSat Model-Based System Engineering (MBSE) & Standards for Space
2:00 PM	28 and Counting: JPL's involvement in Cubesat missions
2:15 PM	Pathfinder Technology Demonstrator: Enabling the Next Generation of CubeSat Missions
2:30 PM	NASA Astrophysics CubeSats and Small Satellites
2:45 PM	CubeSat Mission Success: Are We Getting Better?
3:00 PM	S3VI Update
3:15 PM	Launch Your Innovation – Collaborating with NASA's SBIR/STTR Programs
3:25 PM	BREAK - Poster Seesion (3rd floor of Performing Arts Center)
3:45 PM to 5:45 PM	TECHNOLOGY PART I
3:45 PM	Low-Cost X-Band Software-Defined Radio CubeSat Payload
4:00 PM	A Low Cost S-band Ground Station Implementation Using SDR for Nano Satellite System
4:15 PM	Low Earth Orbit (LEO) Communications Channel Emulator for Small Satellites using Software Defined Radios
4:30 PM	CLICK: CubeSat Laser Infrared Crosslink
4:45 PM	Structure and Development of an XTCE Telemetry System for CubeSat Networks
5:00 PM	A Miniature Optical Communication Transceiver for Deep Space CubeSats

5:15 PM	T-DaHGR X-Band Antenna for CubeSats – 1-meter Diameter Aperture Deployed from a 1U
5:25 PM	Orbital Results of Globalstar Link on 8 Satellites Launched in Past 3 Months and First Black Box Launch
5:35 PM	Dual S/X-band Ground Station System for Small-Satellite Applications
6:00 PM	Closing Remarks
6:00 PM to 10:00 PM	Networking Dinner at SLO Brew Rock (855 Aerovista Ln, San Luis Obispo)

Wednesday Apr

Time	Presentation Title
9:00 AM	Short Organ Performance and Keynote Introduction
9:15 AM	Keynote Address II
10:00 AM	BREAK
10:30 AM to 12:00 PM	UPCOMING MISSIONS
10:30 AM	Integration and Testing of the Deformable Mirror (DeMi) CubeSat Payload
10:45 AM	Miniaturize Hyperspectral Imager for Short-Wave Infrared (SWIR) Operating On-Board the Hello World- Small Satellite Mission
11:00 AM	Detecting Plastics From Space via a CubeSat
11:15 AM	SRI CubeSat Imaging Radar for Earth Science (SRI-CIRES): Initial Flight Demonstrations
11:30 AM	The Lunar Polar Hydrogen Mapper Mission - Status and Instrument Development
11:45 AM	Alabama State-Wide Initiative for a Cislunar Gamma-ray Burst Mission
12:00 PM	LUNCH
1:30 PM to 3:35 PM	LICENSING AND LAUNCH
1:30 PM	Updating FCC Regulations for Small Satellites
2:00 PM	Path to the First Launch of the SL-OMV
2:15 PM	NASA CSLI/ELaNa Update
2:30 PM	Launching CubeSats Into High Energy Orbits
2:45 PM	New Pathways to Orbit
3:15 PM	Fractal Superscatterers (FS) For Enhanced Radar Detection and Monitoring of Small Sats
3:15 PM	LauncherOne: Making Launch Easy for CubeSats
3:25 PM	Spaceflight Launch Services
3:35 PM	Rocket Lab Launch Services
3:30 PM	BREAK - Poster Session (3rd floor of Performing Arts Center)
4:00 PM to 5:30 PM	TECHNOLOGY PART II AND INDUSTRY PRESENTATIONS
4:00 PM	CubeSat Identification Tag (CUBIT): Architecture and Test Results from an On-Orbit Demonstration
4:15 PM	A PC104 Based BeagleBone Black Integrated Architecture and Tracking System for CubeSats
4:30 PM	A CubeSat Compliant Interface to Enable Spacecraft Docking and Fuel Transfer

4:45 PM	Cubesat Propulsion System Integration Lessons Learned
5:00 PM	Direct Thrust Measurements and Full Performance Mapping of the IFM Nano Thruster at ESA ESTEC Facilities
5:15 PM	MarCO MiPS: Where no CubeSat Propulsion System has Gone Before
5:25 PM	Optimized Pneumatic Test Assemblies for Qualification and Production Testing
5:35 PM	Solar Panels for ANGELS mission
5:45 PM	Advanced Thermal Architectures for CubeSats (ATACS)
5:55 PM	The NABEO Dragsail: Flight Preparation for Demonstration Flight onboard Rocket Lab's Electron Rocket #ItsBusinessTime
6:05 PM	Closing Announcements
5:00 PM to 6:30 PM	Happy Hour - Drinks and Hors d'oeuvres served in all exhibition areas

Thursday April

Time	Presentation Title
9:00 AM	Short Organ Performance and Keynote Introduction
9:10 AM	Web Based Freeware Tool for CubeSat Thermal Management
9:25 AM	Ground Testing and Flight Experience of Lightweight Gallium-Arsenide Solar Cells
9:40 AM	AIAA Small Satellite Technical Committee Sponsored Panel
10:40 AM	BREAK - Poster Seesion (3rd floor of Performing Arts Center)
11:10 AM to 12:25 PM	SOFTWARE
11:10 AM	Enabling Technologies for Deep Space CubeSats
11:25 AM	Automating Software Recovery
11:40 AM	Inter-satellite Omnidirectional Optical Communicator for CubeSat Swarms
11:55 AM	Integrated Flight-Ground Software for Rapid Mission Development
12:10 PM	Beyond RTOS, an Exploration of Linux in Nanosatellites
12:25 PM	LUNCH
1:30 PM to 3:15 PM	LESSONS LEARNED
1:30 PM	ESA Academy's CubeSat programme: Lessons Learned during the 'Fly Your Satellite!' Critical Design Reviews
1:45 PM	Lessons from the ELFIN CubeSat, UCLA's Student Space Weather Satellite
2:00 PM	CSUNSat1 Mission Success, Anomalies and Lessons Learned
2:15 PM	Ferromagnetism issues in Materials for Nano-Satellite Components
2:30 PM	Development of Adaptable Payload Interface Solutions
2:45 PM	CubeSats for Capacity Building - Efforts undertaken at Cal Poly
3:00 PM	Expanding CubeSat Development in High Schools

3:15 PM	XinaBox - A Disruptive Innovation in School, University, IoT and Space
3:25 PM	BREAK
3:45 PM to 5:45 PM	EDUCATION
3:45 PM	The Universities Space Technology Education Program (USTEP)
4:00 PM	Amateur Radio and Experimental Licensing for CubeSats
4:30 PM	A "ThinSat" to Determine Ionospheric Effects and Local Plasma Dynamics on Deorbitization
4:45 PM	Development and Evaluation of Reinforcement Learning Solar Panel MPPT Algorithm for Nanosatellites
5:00 PM	SJSU Virtual Reality, View from a Cube Satellite
5:15 PM	CubeSat Propulsion Research at the University of Auckland : Review and Upcoming Activities
5:30 PM	Closing Remarks
6:30 PM to 8:30 PM	Farmer's Market - Downtown San Luis Obispo

23, 2019

Presenter	Affiliation
John Garvey	Vector
Andrew Klesh	NASA/Jet Propulsion Laboratory
Adam Reif & Ashton Meginnis	PUMPKIN, Inc.
Corrie Lamkin	Blue Canyon Technologies
Steven Reising	Colorado State University
Grigory Heaton	Cal Poly, SLO
Leon Steenkamp	Cape Peninsula University of Technology
Shivani Joshi	NASA/Jet Propulsion Laboratory
Charles Norton	NASA Headquarters, Science Mission Directorate
Steven MacLaird	Object Management Group
Anthony Freeman	Jet Propulsion Laboratory
John Hanson	CrossTrac Engineering, inc.
Michael Garcia	NASA Headquarters
Michael Swartwout	Saint Louis University
Bruce Yost	NASA Headquarters
Bethany McClave	NASA SBIR/STTR Program
Greg Bischoff	Naval Postgraduate School
Joko Suryana	Institut Teknologi Bandung
Jose Ruvalcaba	SPAWAR Systems Center Pacific
Ondrej Cierny	Massachusetts Institute of Technology
Lilia Edith Aparicio Pico	Universidad Distrital Francisco José de Caldas
Tyler Ritz	University of Florida

Trevor Chambers	MMA Design, LLC
Jeff Dailey	NearSpace Launch, Inc.
Giovanni Pandolfi	Leaf Space S.r.l.
s Obispo, CA 93401)	

April 24, 2019

Presenter	Affiliation
Wallis Laughrey	Raytheon
Rachel Morgan	MIT, Aurora Flight Sciences, NASA Jet Propulsion Lab
Roberts Trops	VTT Technical Research Centre of Finland
Charles Hibbitts	JHU APL
Patrick Rennich	SRI International
Craig Hardgrove	Arizona State University
Jared Fuchs	University of Alabama in Huntsville
Karl Kensinger	FCC
Christopher Loghry	Moog Inc
Scott Higginbotham	NASA KSC LSP
Dan Adams	ULA
David Caponio	Tyvak
Nathan Cohen	Fractal Antenna Systems, inc.
Jarrold McLachlan	Virgin Orbit
Scott Schoneman	Spaceflight
Lars Hoffman	Rocket Lab
Samson Phan	SRI International
Andrew Santangelo	sci_Zone
James Bultitude	Orbit Fab Inc.

Brian Cooper	Astro Digital US, Inc.
David Krejci	Enpulsion
Chris Day	VACCO
Chris Johnson	Experior Laboratories
Miguel Vasquez	DHV Technology
Mario Saldana	Roccor
Thomas Sinn	HPS GmbH

| 25, 2019

Presenter	Affiliation
Boris Yendler	YSPM, LLC
Aarohi Vijn	Alta Devices
Carl Brandon	Vermont Technical College, CubeSat Lab
Catherine Garabedian	Kubos
Jose Velazco	Jet Propulsion Laboratory
Mark McCrum	Bright Ascension Ltd
James Womack	PUMPKIN, Inc.
Cristina del Castillo Sancho	European Space Agency, ESEC
Ethan Tsai	UCLA ELFIN
James Flynn	California State University Northridge
Muhammad Shadab Khan	IMT MINES ALBI, France
Joseph Yates	University of Michigan
Pauline Faure	Cal Poly, SLO
Mahala Pagán	Luminary Labs

Bjarke Gotfredsen	XinaBox Limited
Martin Ruzek	Universities Space Research Association
Jerry Buxton	Radio Amateur Satellite Corporation (AMSAT)
Grant Birindelli	United States Naval Academy
Alexandros Tsoupos	National Space Science and Technology Center - United Arab Emirates University
Jesus Rosila Mares	San Jose State University & NASA Ames Research Center
Felicien Filleul	The Universty of Auckland