Updated: April 25, 2017

Wednesday April 26, 2017

Time	Presentation Title	Presenter	Affiliation
9:00 AM	Conference Welcome and Keynote Introduction	Dr. Jordi Puig-Suari	California Polytechnic State University
9:15 AM	The Status of University Nanosatellites in China	Dr. Yu Xiaozhou	Shaanxi Engineering Laboratory for Microsatellites
9:45 AM	BREAK		
10:15 AM	On-Orbit Performance and Lessons Learned from the FIREBIRD-II and AC-6 CubeSat Missions: Little Packages, Big Science	Harlan Spence	Univ. of New Hampshire, Montana State Univ.
10:45 AM	The Nano-Sat Exo-Brake Experiment - Results of the First Controlled De-orbit	Marcus Murbach	NASA Ames Research Center
11:00 AM	SpooQySats: CubeSats to demonstrate quantum key distribution technologies	Robert Bedington	National University of Singapore
11:15 AM	Integration and Testing of the Nanosatellite Optical Downlink Experiment	Emily Clements	MIT
11:30 AM	The Spectral Ocean Color Satellite and a Diffraction Grating Based Payload	David Cotten	The University of Georgia's Small Satellite Research Laboratory
11:45 AM	Next Generation Compact High Spectral Resolution Spectrometers	Sona Hosseini	Jet Propulsion Laboratory
12:00 PM	Microwave Radiometers for Small Satellites	Gregory Allan	MIT
12:15 PM	LUNCH		
1:30 PM	Pathfinder Technology Demonstrator: Demonstrating Advanced Technologies for Advanced Missions	John Hanson	NASA Ames Research Center
1:45 PM	RainCube, a Ka-band precipitation radar in a 6U CubeSat	Travis Imken	Jet Propulsion Laboratory, California Institute of Technology
2:00 PM	IT-SPINS Ionospheric Imaging Mission	Rick Doe	SRI International
2:15 PM	SNIPE mission for space weather research	Jaejin Lee	Korea Astronomy and Space Science Institute
2:30 PM	TRYAD Mission Overview	Dr. Michael Fogle	Auburn University
2:45 PM	Design, Development, and Operation of CubeSat-based HF SATCOM	Alyssa Randell	US Naval Academy
3:00 PM	BREAK		
3:30 PM	NASA Near Earth Network (NEN) Support for Lunar and L1/L2 CubeSats	Scott Schaire	NASA Goddard Space Flight Center
3:45 PM	BioSentinel – A Deep Space Radiation BioSensor Mission	Robert Hanel	NASA Ames Research Center
4:00 PM	Lunarcubes and the First Deep Space CubeSat Broadband IR Spectrometer	Pamela Clark	Jet Propulsion Laboratory, California Institute of Technology
4:15 PM	Cost-effective Rad-hard MCU Solution for Small-Sats	Ross Bannatyne	VORAGO Technologies
4:30 PM	CSP: High Performance Reliable Computing for CubeSats	Katherine Conway	Space Micro, Inc
4:45 PM	Development of a lightweight thermal capacitor panel for thermal control of CubeSat applications	Diego Arias	Roccor, LLC
5:00 PM	Micro-Propulsion Development Activities at Cal Poly	Amelia Greig	California Polytechnic State University
5:15 PM	From Bullet-Proof Applications to Space Radiation Shielding Applications	Ifriky Tadadjeu	

Thursday, April 27, 2017

Time	Presentation Title	Presenter	Affliation
9:00 AM	NASA's Role in Small Spacecraft Technolgies: Today and in the Future	Jim Reuter	NASA HQ
9:45 AM	BREAK		
10:15 AM	CubeSats, JSpOC and the Operational, Orbital Environment	Andrew Woodcock	USAF/ JFCC Space/ 18SPCS
10:30 AM	RFTSat: Demonstrating Passive RF Sensor Tags Using Backscatter Data Communication	Cassie Wade	NNU
10:45 AM	Collision Risk in Low Earth Orbit	Daniel Oltrogge	AGI
11:00 AM	Differential Drag for Collision Avoidance	Brian Cooper	Astro Digital US, Inc.
11:15 AM	Readiness, Recovery Resilience for CubeSat Operators	Henry Martin	NanoRacks
11:30 AM	88 Satellite Deployment and Frequency Licensing for Planet's Earth Imaging Constellation	Bryan Klofas	Planet
11:45 PM	A Testbed for Demonstration and Performance Analysis of an Autonomous Scheduling System for Communications Nanosatellites	Peter Yoo	SPAWAR Systems Center Pacific
12:00 PM	LUNCH		
1:15 PM	NASA InVEST Strategic Directions and Lessons Learned	Pamela Millar	NASA Earth Science Technology Office
1:30 PM	Overview of the Small Spacecraft Systems Virtual Institute	Bruce Yost	NASA Ames Research Center
1:45 PM	CubeSat Launch Initiative	Garrett Skrobot	NASA HQ
2:00 PM	ULA CubeSat Launch Capabilities	Dan Adams	ULA
2:15 PM	ENTERPRISE Integration, Government and Industry Impact	Justin Carnahan	Tyvak NanoSatellite Systems, Inc.
2:30 PM	Moog CubeSat Launch and Deployment Accommodations	Joe Maly	Moog
2:45 PM	Implementation of Advanced Capabilities to the P-POD	David Pignatelli	California Polytechnic State University
3:00 PM	BREAK		
3:30 PM	Providing a Unique STEM Education Opportunity with a Five Day ELEO Mission	Bob Twiggs	Twiggs Space Lab
3:45 PM	Solar Panels for TRISAT mission	Miguel Angel Vazquez	DHV Technology
4:00 PM	LinkStar, An Integrated, Secure and Flexible Networked Communications Architec	Andrew Santangelo	Sci_Zone, Inc.
4:15 PM	Low EMI Power Supply Design for Nanosatellites	Craig Clark	Clyde Space Ltd
4:30 PM	Bringing Full Stack to Small Sats	Ryan Plauche	Kubos

Friday, April 28, 2017

Time	Presentation Title	Presenter	Affliation
9:00 AM	Optimizing CubeSat cluster down-link throughput through cluster based network layer protocol	Stephen Ennis	Trinity College Dublin
9:15 AM	Cooperative Node Network Command Test (CONNECT)	Patrick Donovan	Space Cooperative Inc.
9:30 AM	The Use of SPARK/Ada and CubedOS in a Complex Spacecraft	Carl Brandon	Vermont Technical College CubeSat Lab
9:45 AM	Software Requirements for CubeSats	Noah Weitz	California Polytechnic State University
10:00 AM	Managing a Student Operated CubeSat Program	Dr. J-M Wersinger	Auburn University Small Satellite Program
10:15 AM	BREAK		
10:45 AM	High School and University CubeSat Collaboration in Idaho	Dennis Zattiero and Dr. Stephen Parke	NNU
11:00 AM	New STEM Education: Why is CubeSat Technology a Perfect Vehicle To Get Our Students Ready for Space Exploration?	Kain Sosa	Kain A Sosa and Dr. Brent Freeze
11:15 AM	Design of MySat-1 – The First CubeSat from UAE's First Graduate Level Space Education Program	Thu T. Vu	Masdar Institute of Science and Technology
11:30 AM	Thermal Management for CubeSats – Criteria to Perform	Boris Yendler	YSPM, LLC