Wednesday, April 20, 2016

Time	Session
7:30 AM	Registration & Breakfast
9:00 AM	Opening Comments – Dr. Jordi Puig-Suari – CubeSat
9:15 AM	Keynote Address - Tory Bruno – United Launch Alliance
	------Break------
10:30 AM	*Michael Swartwout* – Saint Louis University – CubeSat and Mission Success: A Look at the Numbers
10:45 AM	*Nathan Barnwell* –University of Florida– The CHOMPTT Precision Time Transfer CubeSat
11:00 AM	*Cherry Wakayama* – SPAWAR Systems Center Pacific– Online Resources Allocation and Scheduling for Store-and-Forward Communications with Multiple Priority Levels in Nanosatellite Systems
11:15 AM	*Anthony Freeman* –JPL/Cal Tech – The Cube-Train Constellation for Earth observation
11:30 AM	*Daniel L Oltrogge* – Analytical Graphics Inc. – The Myths and Realities of CubeSat Collision Risk
11:45 AM	*Diego Nodar-Lopez* – Universitario de Virgo (Spain) – On-orbit results of the HumSAT Payload, a data collection system based on CubeSat
12:00 PM	*Yaseen Zaidi* –Cape Peninsula University of Technology – The Framework for Mission Assurance Exploiting Automation
12:15 PM	------Lunch------
1:30 PM	*RADM Brian Brown* – JFCC Space – JFCC Space's Role and Integration/Collaboration Efforts
1:45 PM	*Chad Frost* – NASA Ames Research Center – The XCube Concept: Extending the CubeSat standard from NanoSats to Airborne Experiments
2:00 PM	*Scott Higginbotham* – NASA LSP – ELaNa Mission Status
2:15 PM	*David Pignatelli*– Cal Poly University, San Luis Obispo – Launch Vibration Isolation for CubeSats
2:30 PM	*Henry Martin* – NanoRacks LLC – The NanoRacks External Cygnus Deployer
2:45 PM	*Joe Maly* – CSA Engineering –CubeSat Launch and Deployment Accommodations
3:00 PM	*Austin Williams* – Tyvak Nano-Satellite Systems Inc. – Quick-Turn, Low Cost Spacecraft Development Principles
3:15 PM	------Break------
3:45 PM	*Sharlene Katz, James Flynn, Adam Kaplan* – Cal State Northridge – An Affordable Test Equipment and Simulation Suite for CubeSat Development
4:00 PM	*Giovanni Minelli* – Naval Postgraduate School – Operation Experiences with the NRO PROPCUBE Mission
4:15 PM	*Brian Cooper* – Aquila Space – Spacecraft Manufacturing: Lessons Learned from Covus-BC
4:30 PM	*Steven Suddarth* – Transparent Sky, LLC – SUPERNOVA-Beta TechSat-1 Integrates Two Key Imaging Payloads and Validates New Commercial Bus Structure
4:45 PM	*Marcin Pilinski* – ASTRA LLC – Scintillation Observation and Response of The Ionosphere to Electrodynamics (SORTIE)
5:00 PM	*Craig Clark*– Clyde Space – Bulk Spacecraft Manufacture for CubeSat Constellations
	Closing Remarks
6:00 PM	Banquet at the Madonna Inn Expo Center

Thursday, April 21, 2016

Time	Session
8:00 AM	Registration & Breakfast
9:00 AM	*Robert Staehle* – JPL – Leaping CubeSats! Enabling Beyond-Earth Missions in Small Inexpensive Packages
9:15 AM	*Andrew Klesh* – JPL – MarCO : Ready for Launch
9:30 AM	*Hugo Sanchez* – NASA Ames Research Center – BioSentinel: Mission Development of a Radiation Biosensor to Gauge DNA Damage and Repair Beyond Low Earth Orbit on a 6U Nanosatellite.
9:45 AM	*Travis Imken* – JPL – Payload Developments on the Lunar Flashlight Mission
10:00 AM	*Pamela Clark* – JPL & Morehead State University – Lunar Ice Cube: Lunar Water Dynamics via a First Generation Deep Space CubeSat
10:15 AM	*Craig Hardgrove* – ASU – The Lunar Polar Hydrogen Mapper (LunaH-Map) CubeSat Mission
10:30 AM	------Break------
11:00 AM	*Kathleen Morse* – Yosemite Space, Inc. – A 6U CubeSat Designed for Lunar Orbit and Beyond in the NASA CubeSatQuest Challenge
11:15 AM	*Diego Nodar-Lopez* – Universitario de Virgo (Spain) – DustCube: a 3U CubeSat to Charatize the natural dust environment and microscopic ejecta due to DART high speed impact on the Binary asteroid 65803 Didymos
11:30 AM	*Don George* – SwRI– The CuSP interplanetary CubeSat mission
11:45 AM	*Darren Rowen* – Aerospace Corporation – The AeroCube OCSD AeroCube-7a Status
12:00 PM	------Lunch/Poster Session—
1:15 PM	*Andy Petro* – NASA Headquarters – NASA's Small Spacecraft Technology: Accomplishments, Opportunities, and Plans
1:45 PM	*Kate Yoshino* – AFRL – Applications of Small Saltellites
2:00 PM	*Bungo Shiotani* – University of Flordia – SABRE-I: An End-to-End Hands-On CubeSat Experience for the Educate Utilizing CubeSat Experience Program
2:15 PM	*Uriah Richard Eilinger* – United States Naval Academy – United States Naval Academy CubeSats 2016: Communications and Thruster Technology Demonstrator Missions
2:30 PM	*Alex Saunders* – Cal Poly University, San Luis Obispo – A Failure Analysis of the EXOCUBE Cubesat
2:45 PM	*Craig Clark* – Clyde Space – A Robust Nanosatellite OBC Created with SEL and SEU Immunity as a Driving Requirement
3:00 PM	------Break------
3:15 PM	*Kerri Cahoy, Emily Clements* – MIT – Laser Communications Downlink and Crosslink Designs for CubeSats
3:45 PM	*Bryan Klofas* – Planet Labs – Planet Labs Ground Station Network
4:00 PM	*John Hanson* – NASA Ames Research Center – NASA Ames Research Center's GlobalStar Duplex Radio Study for CubeSat Use
4:15 PM	*Nathaniel Richard* – Morehead State Unversity – Ground Station Link Characterization Utilizing Bit Error Rate with Noise Introduced
4:30 PM	*Keith Kelly* – MMA Design LLC– Scalable Deployable High Gain Antenna, DaHGR
4:45 PM	*Dov Jelen* – Pumpkin, INC – A Standardized Geometry For Space Access Ports
5:00 PM	*Jorge Enrique Espindola Diaz* – INPE-Cal Poly -UVIGO – Deployment of the SatNet Network at the INPE (Brazil) and University of Vigo Facilities with a Central Server at Cal Poly, SLO.
	Closing Remarks

Friday, April 22, 2016

Time	Session
8:00 AM	Registration & Breakfast
9:00 AM	*Aarohi Vijh* – Alta Devices, Inc. – Record Solar Cell Efficiencies and Power to Weight Ratios
9:15 AM	*Edmund Burke* – Space Information Labs – MIL-STD CubeSat 6U to 27U OMSR Bus to reduce Space Qual Risk and Life Cycle Cost
9:30 AM	*Daniel Hegel* – Blue Canyon Technologies – FlexBus: A 6U CubeSat Platform for any mission
9:45 AM	*Bruce Davis* – Roccor – The Development of a High Strain Composite Boom for Low-Cost CubeSat Missions
10:00 AM	*Shaun Houlihan* – Pumpkin Inc. – A ReSTful Interface for CubeSats
10:15 AM	*Demetryus V. Junqueira* – INPE National Space Research Institute – Software Reuse Technique Based on Internal Service Components : A Case Study Using Nanosatellites
10:30 AM	------Break------
11:00 AM	*Lumka Msibi* – Denel Spaceteq (South Africa) – Denel Spaceteq Cube Satellite Missions and Capabilities
11:15 AM	*John Lucas* – NASA IV&V-GSFC – Simulation-to-Flight (STF-1): A mission to enable CubeSat Software-based Verification and Validation
11:30 AM	*Michael Wegerson*–University of North Dakota –The use of a System of Systems design methodology, novel attitude determination and control system, and low-cost fabrication techniques to enable CubeSat development
11:45 PM	*Kerri Cahoy, Weston Marlow* – MIT – CubeSat Laser Guide Star
12:00 PM	*Daniel Smith* – GomSpace ApS – Rapid Success: The GOMX-3 CubeSat Path to Orbit
12:15 PM	------Lunch------
1:45 PM	*Alexandra Crook* – University of Wyoming – An Inexpensive, University Accessible, Microgravity Environment Providing CubeSat Functionality Testing
2:00 PM	*Alice Reinheimer* – e2v inc. – e2v CubeSat Imaging
2:15 PM	*Andrew Santangelo* – sci_Zone, Inc –LinkStar-STX3 Radio Architecture: A New Generation of Simplex Based Radios for Near Global Communications
2:30 PM	*Steven Overton* – Aerojet Rocketdyne – CubeSat Mission Benefits and Integration of High Thrust, High Delta-V Green Propulsion
2:45 PM	*Anand Antony* – Indian Institute of Technology Madras – Design of Electrical Power System for Speed (Space base Proton Electron Energy Detector
3:00 PM	*Rizwan Merchant* - UL C.A.P.E - Customizable Ground Stations: An Extension of the Experimental Smartphone Ground Stations
3:15 PM	------Break------
3:45 PM	*MIDN Gavin Roser* – United States Navel Academy – AMODS: An Electromagnetic-Ferromagnetic Interface Docking System
4:00 PM	*Geza Gyuk* – Adler Planetarium – NITESat: Night Imaging and Tracking Experiment Satellite Mission and Education Program Overview
4:15 PM	*Ryan Holmes* – SpaceVR, Inc. – OVERVIEW-1: A 360-Degree Virtual Reality Earth-Imaging 3U CubeSat
4:30 PM	*Raquel Pinho* – TEKEVER – GAMASAT, bringing space down to Earth
	Closing Remarks