

Session Topic	Presenter	Affiliation	Video Link
FLIGHT MISSIONS			
UNITE, USIP's First CubeSat: What Went Right, What Went Wrong	Glen Kissel	University of Southern Indiana	https://youtube.com/watch?v=9wfsWp8alzE
DEEP SPACE AND COMMUNITY KNOWLEDGE			
SmallSat Communications in Deep Space: A Novel Architecture	Faramaz Davarian	Jet Propulsion Laboratory	
Cislunar Explorers Mission Update	Aaron Zucherman	Cornell University's Space Systems Design Studio	
PMPedia: A Crowd-Sourced Space Radiation Electronics Knowledge Repository	Allyson Yarbrough	The Aerospace Corporation	
Computing Observation Geometry for Science Spacecraft	Charles Acton	Caltech/ Jet Propulsion Laboratory	
COMMUNICATIONS			
Large Aperture, High Frequency, Ground-Stations for CubeSats: Enabling High data rate X-band communications.	Justin Hyatt	Steward Observatory, The University of Arizona	
UPCOMING MISSIONS			
BeaverCube: Coastal Imaging with VIS/LWIR CubeSats	Paula do Vale Pereira	Massachusetts Institute of Technology	https://youtube.com/watch?v=3myS9Spkfql
Design and Verification of a Clock System for Orbital Radio Interferometry	Nicholas Belsten	Massachusetts Institute of Technology	https://youtube.com/watch?v=BqRA9TeJpU4
LAUNCH			
Path to the First Launch of the SL-OMV from the UK	Christopher Loghry	Moog Inc	
InOrbit NOW Launch Services for Precise Microsatellite Deployment	Eleonora Luraschi	D-Orbit S.p.A.	https://youtube.com/watch?v=BbtH3x7iT1U
SUBSYSTEMS			
Dynamic Power and SWaP Reduction in CubeSat Systems	Michael Hopkins	CurrentRF	https://youtube.com/watch?v=zkrfDR5XHhc
An Overview on Deployable Structures Enabling Advanced CubeSat Missions	Thomas Sinn	Deployables Cubed GmbH	
Electric Propulsion as a Standardized Building Block for CubeSats	David Krejci	ENPULSION	
An Optimized Micro Propulsion System for CubeSats	Chris Day	VACCO	https://youtube.com/watch?v=biOi95KO3ic
REGULUS Electric Propulsion Unit: Development Status and IoD Opportunity	Elena Toson	T4i	
Energy for Earth from Space: Architecture for a CubeSat Space Solar Power Constellation	Thomas Sinn	Deployables Cubed GmbH	
TECHNOLOGY			
Ground-based 1U CubeSat Robotic Assembly Demonstration	Ezinne Uzo-Okoro	MIT	
MODEL BASED SYSTEMS ENGINEERING AND OPEN SOURCE INITIATIVES			
Polaris: Open Source Machine Learning for Spacecraft Operations	Hugh Brown	Polaris Project	https://youtube.com/watch?v=Jp7GuA_zjIA
Aalto-3 – The Open Source Student Satellite	Alexandros Binios	Aalto University	