

33rd AAS/AIAA Space Flight Mechanics Meeting: Event and Session Summary

Day	Start	End	Event / Conference Session	Room	Session Chair
Sunday 1/15/23	6:00 PM	8:00 PM	Opening Reception	Onyx Ballroom	
Monday 1/16/2023	8:00 AM	12:00 PM	Orbit Determination and Space Surveillance Tracking 1	Onyx 2-3	Brandon Jones
	8:00 AM	12:00 PM	Orbital Debris and Space Environment	Topaz 1	David B. Spencer
	8:00 AM	12:00 PM	Trajectory/Mission/Maneuver Design and Optimization 1	Topaz 2	Powtawche Valerino
	8:00 AM	12:00 PM	Rendezvous, Relative Motion, Proximity Missions, and Formation Flying 1	Topaz 3	Siamak Hesar
	12:00 PM	1:30 PM	<i>AAS/AIAA Joint Technical Committee Meeting</i>	Onyx 1	
	1:30 PM	4:50 PM	Trajectory/Mission/Maneuver Design and Optimization 2	Onyx 2-3	Jin Haeng Choi
	1:30 PM	4:50 PM	Dynamical Systems Theory Applied to Space Flight	Topaz 1	David Canales Garcia
	1:30 PM	4:50 PM	Spacecraft Guidance, Navigation and Control 1	Topaz 2	Angela Bowes
	1:30 PM	4:50 PM	Asteroid and Small Body Missions	Topaz 3	Paul Thompson
	5:15 PM	6:15 PM	Each One Teach One: Building a Better and Stronger Astrodynamics Community (Panel Discussion led by Dr. P. Valerino)	Onyx Ballroom	Dan Scheeres Sonia Hernandez
6:15 PM	7:15 PM	Reception	Onyx Ballroom		
Tuesday 1/17/2023	8:00 AM	12:00 PM	Cislunar Space Missions and Operations 1	Onyx 2-3	Diane Davis
	8:00 AM	12:00 PM	Earth Orbital Missions and Studies	Topaz 1	Arnaud Boutonnet
	8:00 AM	12:00 PM	Space Situational Awareness, Conjunction Analysis, and Collision Avoidance 1	Topaz 2	Piyush Mehta
	8:00 AM	12:00 PM	Rendezvous, Relative Motion, Proximity Missions, and Formation Flying 2	Topaz 3	Robert Melton
	12:00 PM	1:00 PM	<i>AIAA Committee Meeting</i>	Onyx 1	
	1:00 PM	1:30 PM	Plenary Talk: Canadian Space Agency by Dr. I. Jean (CSA)	Onyx 2-3	Dan Scheeres
	1:30 PM	3:10 PM	CubeSat and SmallSat Missions	Onyx 2-3	Arnaud Boutonnet
	3:30 PM	4:30 PM	DART Navigation	Onyx 2-3	Ricardo Restrepo / Sonia Hernandez
	1:30 PM	4:50 PM	Attitude Dynamics, Determination and Control 1	Topaz 1	Dr. Peter Lai
	1:30 PM	4:50 PM	Trajectory/Mission/Maneuver Design and Optimization 3	Topaz 2	Stefano Campagnola
	1:30 PM	4:50 PM	Spacecraft Guidance, Navigation and Control 2	Topaz 3	James Thorne
	5:15 PM	6:15 PM	Special Talk: DART: Navigating to Obliteration by Dr. J. Bellerose (JPL) Presentation of Breakwell Student Travel Awards	Onyx Ballroom	Dan Scheeres Sonia Hernandez
	6:15 PM	7:15 PM	Reception	Onyx Ballroom	
Wednesday 1/18/2023	8:00 AM	10:00 AM	Atmospheric Re-entry Guidance and Control	Onyx 2-3	Davide Guzzetti
	10:20 AM	12:00 PM	Machine Learning and Artificial Intelligence Applied to Space Flight Problems 1	Onyx 2-3	Hang Woon Lee
	8:00 AM	12:00 PM	Orbital Dynamics, Perturbations, and Stability	Topaz 1	Atri Dutta
	8:00 AM	12:00 PM	Trajectory/Mission/Maneuver Design and Optimization 4	Topaz 2	Nicholas Bradley
	8:00 AM	12:00 PM	Spacecraft Autonomy	Topaz 3	Keith LeGrand
	12:00 PM	1:30 PM	<i>AAS Committee Meeting</i>	Onyx 1	
	1:30 PM	4:50 PM	Orbit Determination and Space Surveillance Tracking 2	Onyx 2-3	Christopher Roscoe
	1:30 PM	4:50 PM	Machine Learning and Artificial Intelligence Applied to Space Flight Problems 2	Topaz 1	Davide Guzzetti / Davide Amato
	1:30 PM	4:50 PM	Trajectory/Mission/Maneuver Design and Optimization 5	Topaz 2	Jason Leonard
	1:30 PM	3:10 PM	Spacecraft Guidance, Navigation and Control 3	Topaz 3	Casey Heidrich
	6:00 PM	7:30 PM	<i>CAS Meeting</i>	Topaz 1	
	6:00 PM	7:30 PM	<i>TAS Meeting</i>	Topaz 2	
	6:00 PM	7:30 PM	<i>WAS Meeting</i>	Topaz 3	
Thursday 1/19/2023	8:00 AM	12:00 PM	Space Situational Awareness, Conjunction Analysis, and Collision Avoidance 2	Garnet	Isabelle Jean
	8:00 AM	12:00 PM	Attitude Dynamics, Determination and Control 2	Topaz 1	Davide Guzzetti
	8:00 AM	12:00 PM	Cislunar Space Missions and Operations 2	Topaz 2	Carmine Giordano
	8:00 AM	12:00 PM	Rendezvous, Relative Motion, Proximity Missions, and Formation Flying 3	Topaz 3	Jeffrey Stuart