

## 2023 Spaceport America Cup Podium Session Schedule: Track 1

	Team	Judge	School	Subject
0900	1	1	AGH University of Science and Technology	Student Researched and Developed APRS (AX.25) Telemetry and Tracking System for Sounding Rockets
0930	5	8	Australian National University	Validation of Vehicle Simulations Through Inertial Measurement Unit Flight Data
1000	22	14	Ecole de Technologie Superieure	Rigorous design, verification & validation testing of an SRAD modular avionics architecture
1030	18	1	Columbia University in the City of New York	Columbia Space Initiative Firing Control User Interface
1100	Lunch			
1130	Lunch			
1200	7	6	Brigham Young University	Simulation and Frequency Analysis of Fin Flutter with SRAD Carbon Fiber Fins
1230	102	8	The University of Melbourne	Development of a future-proofed SRAD flight computer for sounding rockets
1300	52	10	Liberty University	Recovery Redesign: Overcoming Challenges and Implementing an Effective Parachute Cannon Approach to Vehicle Recovery
1330	62	7	Monash University	Months to Minutes: Using Data-Driven Reduced Order Modelling to Significantly Reduce the Computational Cost of CFD
1400	67	2	New York University Abu Dhabi	Design, Analysis, & Flight Demonstration of Non-Pyrotechnic Hold Down Release Mechanism
1430	81	11	Rheinisch-Westfalische Technische Hochschule	Design, Testing, and Implementation of a Fully Pyroless Recovery System
1500	84	10	Rochester Institute of Technology	A Networked Modular Flight Computer Architecture
1530	38	13	Instituto Politecnico Nacional - Campus Guanajuato	Natural fiber-based composite material in experimental rocketry

Alternates

12 / 11 Carleton University

Fully Modular Avionics System

## 2023 Spaceport America Cup Podium Session Schedule: Track 2

Time	Team	Judge	School	Subject
0900	73	9	Politecnico di Torino	3D-Printed multilayered fins for flutter suppression
0930	127	5	University of Maryland, College Park	Air Brake Induced Barometric Error Correction Using a Wind Tunnel Data-Driven Approach
1000	130	3	University of Minnesota, Twin Cities	Design, Manufacture, and Calibration of a 5-Hole Pitot-Static Probe
1030	128	10	University of Michigan-Dearborn	L.A.K.E. Airbrake System
1100	Lunch			
1130	Lunch			
1200	134	16	University of New South Wales	Design, analysis, and testing of retracting rail guides
1230	138	4	University of Sao Paulo	Blunt trailing edge airfoil analysis
1300	145	1	University of Waterloo	Feed System Optimization and Part Consolidation Using Metal Additive Manufacturing
1330	149	14	Vellore Institute of Technology, Vellore	Design and Testing of a Tender Descender Recovery Mechanism
1400	151	16	Washington and Lee University	Shock Cords and Attachments: Analyzing the Load Environment and Development of Aluminum Shock Cord Attachment Bars
1430	14	12	Chulalongkorn University	Non-Pyrotechnic Parachute Ejection System
1500	24	4	Federal University of Rio de Janeiro	Design of a Ground Support System for Solid Rocket Motors Static Fire Tests
1530	156	16	Worcester Polytechnic Institute	Iterative Development of Threaded Aluminum Couplers