



	Material Technology Cathodes, Gimbals	Field Emission / Colloid Thrusters	Hall Thrusters 1	Hall Thrusters 2
	HS6	SR5	SR6	SR2
	1st Chair S. Mazouffre 2nd Chair S. Thompson	1st Chair D. Courtney 2nd Chair B. Seifert	1st Chair T. Matlock 2nd Chair H. Watanabe	1st Chair R. Hofer 2nd Chair K. Komurasaki
09:00	A628 Experimental characterization of the attachment length in orificed hollow cathodes <i>P.-Y. Taunay</i>	A213 Quantitative mapping of the mechanisms affecting electrospray thruster lifetime <i>A. Collins</i>	A140 Development of a 1.5KW High Specific Impulse Magnetic Shielded Hall Thruster <i>A. Mishra</i>	A879 SITAEI's Magnetically Shielded 20 kW Hall Thruster Tests <i>T. Andreussi</i>
09:15	A663 Two-Photon Absorption Laser Induce Fluorescence (TALIF) of Neutral Xenon Density in a Barium Oxide Hollow Cathode Plume <i>T. Wegner</i>	A368 Resolving electrospray emission modes using high-speed current measurements <i>N. Uchizono</i>	A274 High Throughput 1.5 kW Hall Thruster for Satcoms <i>S. Zurbach</i>	A591 Preliminary tests of HIKHET laboratory model at IPPLM <i>M. Jakubczak</i>
09:30	A689 Fiber Coupled Cavity Enhanced Thomson Scattering Diagnostic for Use in Electric Propulsion Facilities <i>A. Friss</i>	A571 Spatially-Resolved Electrospray Plume Current and Mass Flux Measurements and Analysis <i>A. Thuppul</i>	A901 Development of the High Voltage Hall Accelerator Propulsion System <i>H. Kamhawi</i>	A343 Effects of Thrust Noise on Drag-Free and Attitude Control System <i>K. Cui</i>
09:45	A760 5-100 A LaB6 Hollow Cathodes for High-Power Hall Thrusters <i>G. Becatti</i>	A892 Characterization of Electrospray Thruster Electrode Overspray and Backspray <i>C. Marrese-Reading</i>	A651 The Application of an Advanced Electric Propulsion System on the NASA Power and Propulsion Element (PPE) <i>D. Herman</i>	A377 Mini-CHT powered Formation Flying Mission for Magnetic Reconnection Research in Space <i>J. Simmonds</i>
10:00	A427 Mode Transition in a LaB6 Hollow Cathode for Electric Propulsion Systems for Small Satellites <i>G.-C. Potrivitu</i>	A909 Microfluidic and materials improvements in the ion Electrospray Propulsion System <i>J. MacArthur</i>	A282 Overview of the Ascendant Sub-kW Transcelestial Electric Propulsion System (ASTRAEUS) <i>R. Conversano</i>	×
10:15	A428 Systematic Testing of Improved Designs of Miniaturized LaB6 Hollow Cathodes for Electric Propulsion Systems for CubeSats and Small Satellites <i>G.-C. Potrivitu</i>	×	A283 Development Acceptance Testing of the Thruster Component of the Ascendant Sub-kW Transcelestial Electric Propulsion System (ASTRAEUS) <i>R. Conversano</i>	×
10:30	A369 Lithium Hollow Cathode for a Very High Isp Interstellar Precursor Ion Thruster <i>D. Goebel</i>	×	A873 Development of a low power HEMP Thruster EVO <i>R. Heidemann</i>	×
10:45	A371 High Current Hollow Cathode for the X3 100-kW Class Nested Hall Thruster <i>G. Becatti</i>	×	A878 HT5k Thruster Unit Development History, Status and Way Forward <i>T. Andreussi</i>	×
11:00	Conference Tour			

	Ion Thrusters	Pulsed Plasma Thrusters	Innovative Concepts	Power Processing Developments	Thruster Concepts
	HS5	SR4	HS3	SR3	HS2
	1st Chair E. Bosch 2nd Chair D. Feli	1st Chair T. Schönherr 2nd Chair M. Glascock	1st Chair J. Cassidy 2nd Chair J. Woods	1st Chair D. Lev 2nd Chair C. Roessler	1st Chair K. Dannenmayer 2nd Chair O. Neunzig
	A678 Global model of a magnetized ion thruster with xenon and iodine <i>R. Lucken</i>	A497 Investigation on the Discharge Arc Behaviour of an Asymmetric Electrodes Pulsed Plasma Thruster <i>Z. Zhang</i>	A361 Directed-Energy Propulsion Architecture for Deep-Space Missions with Characteristic Velocities of Order 100 km/s <i>J. Brophy</i>	A187 Study of Operation of Power and Propulsion System based on Closed Brayton Cycle Power Conversion Unit and Electric Propulsion <i>A. V. Karevsky</i>	A242 Digital Filtering of Electric Thruster Time Domain Radiated Emissions <i>N. Rongione</i>
	A831 Investigation on Alternative Propellants for Gridded Ion Engines <i>N. Fazio</i>	A108 Analysis of Distributed Energy Release Characteristics in an Ablative Pulsed Plasma Thruster <i>L. Yang</i>	A458 Hybrid Electric Propulsion System on the Basis of SPT and PPT <i>M. Kazeev</i>	A270 Electric Propulsion Mission Design with Minimal Solar Cells Radiation Degradation <i>A. Starchenko</i>	A521 Direct thrust measurement of a vacuum arc thruster <i>J. Jarrige</i>
	A862 Integrated Vlasov-Fully Kinetic PIC Simulations of Plasma Plumes <i>C. Cui</i>	A476 PETRUS 2.0 PPT and its CubeSat-size PPU: Testing and Characterization <i>C. Montag</i>	×	A190 High Efficiency Auto Resonant Converter Anode Power Supply Design, Development Testing <i>M. Richards</i>	A595 Mechanically amplified milli-Newton thrust balance for RF-thrusters <i>M. Wijnen</i>
	A882 Influence of Hollow Cathode design parameters on Ring Cusp Discharge Chamber performances <i>F. Cannat</i>	A931 Development of an Electrostrictive Force Feeding Subsystem for Liquid Pulsed Plasma Thruster <i>C. Dobranszki</i>	×	A346 Designing, Manufacturing and Testing of Power Processing and Control Unit for a 1.5 kW Hall Effect Thruster <i>S. Neugodnikov</i>	A715 Development of the SPACE Lab Thrust Stand for Millinewton Thrust Measurement <i>P. Thoreau</i>
	×	×	×	A280 Deep Space Power Processing Unit for the Psyche Mission <i>G. Lenguito</i>	A578 Self-calibration Laser Induced Fluorescence technic in Electric Propulsion plasma diagnosing <i>X. Yang</i>
	×	×	×	A409 Design and Implementation of a High Voltage Supply for Gridded Ion Thrusters using model-based control algorithms <i>C. Roessler</i>	A863 Laser ablation plasma diagnostics for electrostatic acceleration <i>A. Hamada</i>
	×	×	×	A419 REGULUS: Know-How Acquired on Iodine Propellant <i>M. Magarotto</i>	A623 Active Wave Injection Diagnostic for Plasma Dispersion Relation Measurements <i>E. Choueiri</i>
	×	×	×	×	A538 Torsional Balance Thrust Measurement Techniques for Small RF Thrusters <i>C. Cretel</i>