



	Material Technology Cathodes, Gimbals	Field Emission / Colloid Thrusters	Hall Thrusters 1	Hall Thrusters 2	Ion Thrusters
	HS6	SR5	SR6	SR2	HS5
15.00	A629 Development of a C12A7 Electride Hollow Cathode and Joint Operation with Plasma Thrusters <i>C. Drobny</i>	A284 Micro-Newton Electrospray Thrusters for China's Space-Borne Gravitational Wave Detection Mission (Tian Qin) <i>P. Song</i>	A470 Theoretical Models of Suppression of Instabilities in Hall Thruster by Shear of Magnetic Field <i>A. Kapulkin</i>	A276 Experimental Investigation of the Implications of Nesting Multiple Hall Thruster Channels <i>S. Cusson</i>	A272 Hybrid-PIC Simulation of Back-sputtered Carbon Transport in electric propulsion test facility <i>H. Zheng</i>
15.15	A644 Comparison of the thermionic emission properties of LaB6 and C12A7 <i>N. G. Kottke</i>	A344 Characterisation of electrospray microemitters fabricated by planar and 3D photolithography <i>T. Henning</i>	A278 A Comparison of Possible Mechanisms for Facility Effects on Hall Thruster Operation <i>T. Matlock</i>	A288 EP system development and functional validation tests for the Electra GEO satellite <i>V. Garcia</i>	A302 EMC considerations for RIT engines based on 3D full-wave field simulation of electromagnetic emission of their RF coils <i>T. Sommarivilla</i>
15.30	A482 Development of High Current LaB6 hollow Cathode <i>W. Yang</i>	A650 A Novel Variable Mode Emitter for Electrospray Thrusters <i>P. Wright</i>	A306 A comprehensive xenon collisional-radiative model of atomic and ionic excited levels for Hall thruster <i>Y.-F. Wang</i>	A142 Hall thrusters development at Exotrail: presentation and experimental investigation <i>A. Gurciullo</i>	A496 Numerical simulation of plasma discharge in RF ion thruster <i>R. Rakhimov</i>
15.45	A695 Featherweight Heaterless Hollow Cathode Characterization <i>M. Mooney</i>	×	×	×	×
16.00	1st Chair V. GGarcia 2nd Chair C. Neugebauer A768 Evaluation of Iodine Compatible Hollow Cathode Configurations <i>S. Thompson</i>	1st Chair D. Krejci 2nd Chair A. Hsu A223 Direct Thrust Measurement and Plume Characterization of a Porous Electrospray Thruster <i>C. Ma</i>	1st Chair J. Boeuf 2nd Chair X. Yi A762 Stationary Profiles and Axial Mode Oscillations in Hall Thruster <i>A. Smolyakov</i>	1st Chair S. Weiss 2nd Chair S. Arali A791 Performance Comparison of a 2 kW Hall Thruster with Heaterless Cathodes Mounted on the Outer Pole Piece and on the Thruster Centerline <i>T. Andreano</i>	1st Chair S. Ciaralli 2nd Chair – A905 Analytical and numerical simulation of Ring Cusp Discharge Chamber <i>F. Cannat</i>
16.15	A802 Diagnostic analysis of a 30 A heaterless hollow cathode <i>A. Daykin-Iliopoulos</i>	A471 Development and Characterization of an Ionic Liquid Electrospray Thruster with a Porous Metal Blade Array <i>X. Liu</i>	A681 Status of Research Activities on Electric Propulsion at CIRA <i>F. Battista</i>	A441 Development Status of 6-kW-class Hall Thrusters at JAXA <i>I. Funaki</i>	A367 Plasma characteristics in the backflow region of ion thruster plumes using kinetic and electron fluid models <i>D. Levin</i>

Pulsed Plasma Thrusters	Commercial Propulsion Needs	Global Strategic Investments	Innovative Concepts
SR4	HS2	SR3	HS3
A657 A Vacuum Arc Ion Thruster for SmallSat Applications <i>J. Kolbeck</i>	A826 HEMPT-Strategy to address current and future Space Market <i>J. Degremont</i>	A275 High power electric propulsion: MARS plus EUROPA - already beyond 2025! <i>F. Jansen</i>	1st Chair M. Tajmar 2nd Chair J. Polk A176 Effects of magnetic shielding on the performance of Multi-cusped field thruster <i>J. Geng</i>
A860 Optical measurements of ablation process of double-cylindrical pulsed plasma thruster <i>T. Inaba</i>	A212 The Benefits of Continued Advances in the Propulsive Capability of the Electric GEO Communications Satellite <i>J. Trescott</i>	A418 Electric Propulsion for Small Satellites: A Case Study <i>P. Lascombes</i>	A243 Electric Propulsion Pointing Mechanism EPPM for the Spacebus Neo Platform <i>C. Neugebauer</i>
×	A210 EP orbit raising: environmental effects impact on satellites, modelling and challenges <i>B. Zitouni</i>	A607 VENUS – Updates on Technological Mission Using IHET <i>D. Lev</i>	A398 Modeling, Simulation and Testing of a Magnetically Enhanced RF Plasma Source for a High Power Electromagnetic Thruster <i>X. Wen</i>
×	A883 More added value? – an investigation on the commercial benefit of different EP technologies for orbital propulsion instancing H2020's GIESEPP <i>C. Dietz</i>	×	A547 Electric Propulsion Activities at the UCLA Plasma Space Propulsion Laboratory <i>R. Wirz</i>
1st Chair J. Kolbeck 2nd Chair B. Che	1st Chair E. Bosch 2nd Chair F. Pintó Marín		
A421 Performance and Efficiency of Electric Solid Propellant in a Pulsed Plasma Thruster <i>M. Glascock</i>	A790 Development of a 100 mN Horizontal Torsion Balance <i>B. Seifert</i>	×	A564 Experimental Study of Traveling Wave Plasma Acceleration and Optimization of Magnetic Field Structure for Electrodeless RF Plasma Thruster <i>Y. Oshio</i>
A659 Micro-cathode arc thruster improvement by the second MPD stage <i>D. Zolotukhin</i>	A413 Design and testing of a μN - mN torsional thrust balance with wireless microwave power transmission <i>K. Swar</i>	×	A766 Design of an Experiment for Compression and Nozzle Expansion of a Field-Reversed Configuration for Advanced Space Propulsion <i>P. Turchi</i>