Material Technology Cathodes, Gimbals

HS6

Commercial Propulsion Needs

SR4

Hall Thrusters 1

SR6

18.00

A341
A 2000 Hours Life Test of a 5 kW Multi-mode High Specific Impulse Hall Thruster HEP-140MF
W. Mao

18.15

A749
Prediction of liner erosion and life estimation of Stationary Plasma Thrusters using Machine Learning
S. Bhat

18.30

18.45

Hall Thrusters 2

SR7

A354
Neutral gas instabilities in Hall thrusters, Part II: Theory
E. Dale

A632
Influence of double-stage operation on breathing oscillations and rotating spokes in the ID-HALL thruster
A. Guglielmi

A433
Use of electrostatic probes for characterization of the electron cross-field current in ExB plasmas
Y. Raitses

A323
Experimental study on the effect of propellant asymmetrical distribution on plasma potential distribution in a Hall effect thruster
M. Ding

19.00 Session End

Ion Thrusters

HS5

A844
Deposition Rate Measurements in NEXT Ion Engine Plume for DART Mission
J. Young

A853
NEXT Single String Integration Tests In Support of the Double Asteroid Redirection Test Mission
R. Thomas

A859
Experimental Characterization of the Microwave-Discharge Water Ion Thruster for CubeSats
Y. Nakagawa

A928
Arclight: a plug-in gridded ion propulsion system for small satellites
P. Bauer

MPD Thrusters

SR8

Innovative / Advanced Propulsion Concepts

HS3

A293
Back-vacuum Retarding Potential Analyzer for Investigation of IEC plasma properties
Y.-A. Chan

A434
Beam Plasma Expansion of a Helicon Plasma Source
Z. Zhang

A448
Modeling and Optical Diagnostics of Iodine Fed Helicon Type Thrusters by a Detailed Global Model (DGM)
K. Katsonis

A682
A Detailed Global Model for Modeling and Optical Diagnostics of Low Power Propulsion Devices Fed by CO2
C. Berenguer

Thruster Concepts

HS2