

Session Title	Title	Presenting Author	Presenting Author Email	Location	Date	Start Time
Cathodes	Evaluation of a Planar Scandate Cathode for Hall Thruster Operation	Timm, Allison	aetimm2@illinois.edu	Orlando Ballroom L	1/8/2024	3:30 PM
Cathodes	Testing and Evaluation of a Standalone Hollow Cathode Test Setup with a Magnetic Field Cavity Ring-Down Spectroscopy (CRDS)	Ku, Emily	emily.ku@colostate.edu	Orlando Ballroom L	1/8/2024	4:10 PM
Electric Propulsion Diagnostics II	Measurements of Barium Emitted from a Hollow Cathode	Antozzi, Seth	seth.antozzi@colostate.edu	Orlando Ballroom L	1/9/2024	1:00 PM
Advanced Electrical Propulsion Concepts and Materials	Carbon Transport in Electric Propulsion Testing – I: Multiscale Computations for Carbon Sputtering by Low Energy Ion Bombardment	Tran, Huy	huydt2@illinois.edu	Plaza Ballroom I	1/9/2024	3:30 PM
Advanced Electrical Propulsion Concepts and Materials	Thrust Densification of Space Electric Propulsion Systems via Volumetrically Complex Materials	Sabiston, Graeme	graemes1@g.ucla.edu	Plaza Ballroom I	1/9/2024	3:50 PM
Thruster Plume and Erosion	Modeling of Ion Thruster Plume Neutralization Using Kinetic Simulations	Srinivasan, Sashank	ssriniv6@illinois.edu	Orlando Ballroom L	1/9/2024	4:50 PM
Ion Engines and PPTs	Plasma Hysteresis of Alternative Propellants in ECR Gridded Ion Thruster	Tompkins, Joshua	jrt8@illinois.edu	Plaza Ballroom I	1/10/2024	1:00 PM
Ion Engines and PPTs	Neutral Ingestion Compensation for Gridded Ion Thrusters via Modeling and Analysis	Obenchain, Richard	obenchar@oregonstate.edu	Plaza Ballroom I	1/10/2024	1:40 PM
Ion Engines and PPTs	Ion Optics Model for Rapid Assessment of Gridded Ion Thruster Mission Performance and Life	Cretel, Christopher	cretelc@oregonstate.edu	Plaza Ballroom I	1/10/2024	2:20 PM
Hall Thrusters I	Inferring Electron Heat Flux in a High-Power Hall Thruster with Incoherent Thomson Scattering	Roberts, Parker	pjrob@umich.edu	Orlando Ballroom L	1/11/2024	10:10 AM
Hall Thrusters II	Optimal Experimental Design for Inferring Anomalous Electron Transport in a Hall Thruster	Allen, Madison	mgallen@umich.edu	Orlando Ballroom L	1/11/2024	1:20 PM
Hall Thrusters II	Fast Optical Emission Spectroscopy Measurements of Time-Resolved Electron Temperature in a Hall Thruster	Konopliv, Mary	mkonopliv@ucla.edu	Orlando Ballroom L	1/11/2024	1:40 PM
Electric Propulsion Test Facilities	Simulation of Vacuum Chamber Pressure Distribution with Surrogate Modeling and Uncertainty Quantification	Lipscomb, Charles	Charles.Lipscomb@colorado.ec	Orlando Ballroom L	1/11/2024	4:50 PM
Electric Propulsion Test Facilities	Methods for Mitigating Backsputter in Electric Propulsion Test Facilities II: Beam Halter Demonstration during Hall Thruster Testing	Hurley, William	wjhurley@umich.edu	Orlando Ballroom L	1/11/2024	4:30 PM
Electric Propulsion Test Facilities	Methods for Mitigating Backsputter in Electric Propulsion Test Facilities I: Beam Halter Concept and Design	Thompson, Seth	seth.thompson9@gmail.com	Orlando Ballroom L	1/11/2024	4:10 PM
Electric Propulsion Test Facilities	Current Pathways Model for Hall Thruster Plumes in Ground-based Vacuum Test Facilities	Jovel, David	david.r.jovel@gatech.edu	Orlando Ballroom L	1/11/2024	3:30 PM
Plasma and Laser Diagnostics I: Thomson Scattering and Others	Temporally Resolved Neutral Density Measurements of Hall Effect Thruster Breathing Mode by Two-Photon Absorption Laser Induced Fluorescence (TALIF)	Antozzi, Seth	seth.antozzi@colostate.edu	Rock Spring I & II	1/9/2024	9:30 AM