

2016 Dissertation Titles

- Experimental and Numerical Investigations of Dusty Spacecraft Charging at the Lunar Terminator
- Stochastic Peridynamics and Upscaling
- Investigation of Thin Film Aluminum Filter Contamination by Monomethylhydrazine (MMH)-Nitrogen Tetroxide (NTO) Plumes
- Characterization of Space Debris from Collision Events using Ballistic Coefficient Estimation
- Quantifying the Effect of Orbit Altitude on Mission Cost for Earth Observation Satellites
- Incorporation of Mission Scenarios in Deep Space Spacecraft Design Trades

2015 Dissertation Titles

- Global Analysis of Nonlinear Dynamics
- The Cathode Plasma Simulation
- Revised Calibration of a Long-term Solar Extreme Ultraviolet Irradiance Data Set

2014 Dissertation Titles

- 3D Kinetic Simulations of Whistler Turbulence in Space Plasmas on Parallel Supercomputer
- Particle-in-cell Modeling of Space Plasma Interactions Involving Complex Boundary Conditions
- Reduction of Large Set Data Transmission Using Algorithmically Corrected Model-based Techniques for Bandwidth Efficiency