

[Home](#)
[Contact Us](#)

RESEARCH

[ABOUT](#)[ACADEMICS](#)[PEOPLE](#)[RESEARCH](#)[OUTREACH](#)[ADVISORY BOARD](#)[AFFILIATES PROGRAM](#)[VIRGINIA TECH](#)[- Research Gallery](#)
[- Research Facilities](#)

Space@VT focuses on research investigations of the science, technological impact, and utilization of the geo-space environment. The goal of Space@VT is to develop a holistic approach to such research utilizing theoretical and advanced computational modeling as well as the development of scientific instruments and space missions for experimental data acquisition and analysis.

- Research Gallery
- Research Facilities

Research Interests:

- Upper Atmospheric and Space Plasma Physics
- Space Weather Investigations
- Spacecraft Dynamics and Control
- Spacecraft Advanced Propulsion Techniques
- Spacecraft Environmental Interactions

Research Capabilities:

- Satellite Mission Design and Remote Sensing
- Space-based Instrument Development
- Ground-based Instrument Development
- Spacecraft Modeling, Simulation, and Design
- Physics-based Modeling, Simulation, and High Performance Computing
- Global Navigation Satellite System Receiver Design