



UCF

UNIVERSITY OF CENTRAL FLORIDA PLANETARY SCIENCES

Ph.D. program
M.Sc. program

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The Planetary Sciences Group
includes faculty in UCF's Florida Space Institute
and the Department of Physics



REMOTE SENSING

UCF recently took over management of Arecibo. Profs. Humberto Campins and Yan Fernandez study small bodies (NEOs, asteroids and comets) with telescopes. Profs. Chris Bennett and Kerri Donaldson Hanna perform laboratory measurements to understand surface properties and space weathering processes.



EXOPLANETS

Prof. Joe Harrington uses space telescopes to study the sizes, temperatures, atmospheres, and orbits of exoplanets. Prof. Theodora Karalidi, an exoplanet atmosphere expert, recently joined our group to strengthen our position in this growing field.



REGOLITH & ISRU

Prof. Dan Britt studies the physical properties of planetary materials and surfaces, and runs our Solar System Exploration Research Virtual Institute, the Center for Lunar and Asteroid Surface Science. UCF is a leader in the design of planetary simulants and in-situ resource utilization.



MICROGRAVITY & CUBESATS

Profs. Josh Colwell and Addie Dove study planetesimal formation, small bodies, and planetary rings with microgravity experiments in drop towers, parabolic and suborbital flights, and on the International Space Station. We also have a full-scale lab to build and fly cubesats.