

Planetary Science talks by Prof. David Williams, Ronald Greeley Center for Planetary Studies

Title	Notes
NASA Explores the Solar System	Overview of NASA solar system exploration, including recent results from mission
History of Robotic Exploration of the Solar System	A discussion in the evolution of robotic spacecraft and how they enabled key discoveries
Magellan at Venus: Radar Remote Sensing	An overview of Venus surface as revealed by NASA's Magellan mission
Volcanoes Across the Solar System: A Personal View	Overview of Earth & planetary volcanism highlighting key discoveries from NASA missions
New Moon: Rediscovering Our Nearest Neighbor	A history of lunar exploration, including discussion of current NASA Plans (CLIPS & Artemis)
Mars: From Mariner to Perseverance and Beyond	A history of Mars exploration, noting key discoveries from each mission
Roving the Solar System: From Lunakhod to Perseverance	Overview of NASA missions with mobility, noting key discoveries from rovers, + Dragonfly
Asteroids, Ion Propulsion, & NASA's Dawn Mission to Vesta and Ceres	A discussion of asteroid exploration, focusing on the primary results of NASA's Dawn mission
Psyche: Journey to a Metal World	Discussion of upcoming Psyche mission
Exploring Active Worlds in the Outer Solar System	An overview of results of NASA's Voyage, Galileo and Cassini missions on outer planet icy moons
World of Fire (and Ice): Exploring Jupiter's moon Io	Discovery and exploration of volcanically active Io (Galileo mission & beyond)
Exploring Ocean Worlds	Focused talk on Ocean Worlds Europa, Enceladus, Titan
Titan: The Past and Future Exploration of Saturn's Largest Moon	Discussion of Saturn's moon Titan, from telescopes, Voyager, Cassini, and looking to Dragonfly
New Horizons: NASA's Mission to Pluto and Kuiper Belts	Deep dive into results of New Horizons in the Pluto system & Kuiper Belt (Arrokoth)
Exploring Exoplanets: Strange New Worlds in our Galaxy	Discussing of exoplanet exploration with focus on discoveries from NASA Kepler mission