Jennifer SCULLY

Associate, Dawn Science Team
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I have been an associate of the Dawn Science Team since I started graduate school in 2010. Thus, my current and past scientific research centers on the geology of the dwarf planet Ceres and of the asteroid Vesta. My present scientific research focuses on the geology of Ceres, in particular fractures, crater morphology, mass wasting processes and quadrangle-based geologic mapping. Furthermore, during the Ceres portion of the Dawn mission, I am serving as one of the team's four lead geologic mappers. In addition, I am currently broadening my research interests to include the icy satellites and dwarf planets, by conducting comparative research about these bodies and Ceres, and by co-organizing a bi-monthly 'Icy Worlds Collaboration & Exchange (ICE)' at JPL, where scientists and engineers share and discuss their research. My PhD research focused on the geology of Vesta, in particular quadrangle-based geologic mapping, and curvilinear gullies, lobate deposits and fractures, and their implications for the geologic evolution and hydration of Vesta.