



PALESTRA

Quarta-feira, 21 de Novembro de 2012, 10h30

Anfiteatro do Complexo Interdisciplinar, IST

Planetary Image Processing, Cartography, and GIS Analysis at Astrogeology

Trent M. Hare

*United States Geological Survey (USGS)
Astrogeology Science Center, Flagstaff AZ*

ABSTRACT

The Astrogeology Science Center has had a rich 50 year history of participation in space exploration and planetary mapping. The Center was established in Flagstaff, Arizona to provide lunar geologic mapping and assist in training astronauts destined for the Moon. Throughout the years, Astrogeology has participated in processing and analyzing data from numerous missions to planetary bodies in our solar system, assisted in finding potential landing sites for exploration vehicles, mapped our neighboring planets and their moons, and conducted research to better understand the origins, evolution, and geologic processes operating on these celestial bodies.

SHORT BIO

Trent M. Hare has worked at Astrogeology for over 20 years and will share his experiences working with data from various planetary missions and his latest focus on image processing and developing various cartographic standards to help the planetary community with data interoperability and GIS overlay analysis.