

## AGENDA

New England Region Technical Committee  
American Society for Photogrammetry & Remote Sensing  
April 8, 2008

MacMillan Hall Room 115 – Brown University – Providence, Rhode Island  
6:30 – 9:00 pm

The "CAVE" is our 8' cube custom-built by TAN. The floor and three walls provide a virtual environment. CrystalEyes LCD-shutter glasses provide stereo depth-perception a VR simulation of the Martian surface. Data provided by the Brown Department of Geological Sciences Planetary Geosciences group is interpreted and rendered and allows scientists to 'walk on Mars,' explore and conduct observations in support of their research. Due to the limited size of the CAVE, meeting attendees will be split into two groups to enable everyone to get the optimal experience. (*Please note* that you will be asked to remove your street shoes upon entering the CAVE to protect the floor).

**6:30 – 7:00 PM** – Refreshments in Foyer of MacMillan Hall graciously sponsored by NASA Space Grant

**7:00 – 8:00 PM**

Group 1 - Visit the CAVE to explore the surface of Mars

Group 2

7:00 – 7:30 pm - Ms. Gillian Galford, PhD candidate, Brown University & Marine Biological Laboratory Joint Program. "Large-Scale Land-Cover and Land-Use Change in the Amazonian Agricultural Frontier." Ms. Galford is collaborating with Dr. John Mustard and Dr. Jerry Melillo to use remote sensing as a tool to understand temporal and spatial patterns of land cover and land use change in a region of Southwestern Brazil.

7:30 – 8:00 pm – Mr. Jay Dickson, Research Analyst, Brown University Planetary Geosciences Group, "Late Amazonian Glaciation at the Dichotomy Boundary on Mars: Evidence for Glacial Thickness Maxima and Multiple Glacial Phases"

**8:00 – 9:00 PM**

Group 1

8:00 – 8:30 pm – Ms. Angela Allen, PhD candidate, Brown University & Marine Biological Laboratory Joint Program. "Remote Sensing of a Remote Arctic Landscape". Ms. Allen is researching how climate change alters the structure and function of Arctic streams in Alaska. She is collaborating with Drs. Bruce Peterson, Gus Shaver, and Alex Huryn to understand how climate change induced perturbations such as increases in riparian shrub cover and fire affect stream food-webs.

8:30 – 9:00 pm – Dr. John (Jack) Mustard, Professor, Brown University Department of Geological Sciences – Mapping and Composition from the High Resolution Instruments of the Mars Reconnaissance Orbiter

Group 2 – Visit the CAVE to explore the surface of Mars