

Geodetic Science Seminar Series:

## European Space Agency ExoMars Mission and PanCam for Mars Exploration

***PROVISG (Planetary Robotics Vision Ground Processing) Project,  
European Commission, and  
Mapping & GIS Laboratory  
Dept. of Civil & Environmental Engineering & Geodetic Science, OSU***



**Monday, December 1, 2008**

**1:00 – 5:00 pm**

**Scott Laboratory, Room E100  
201 West 19<sup>th</sup> Avenue, OSU Campus**

- 1:00 – 1:30 pm **ExoMars PanCam 3D Vision: Processing and Experiments**  
Gerhard Paar, Joanneum Research, Austria
- 1:30 – 2:00 pm **French Space Agency Rover Navigation Solution:  
Overview, Test Results and Application to ExoMars**  
Michel Maurette, French Space Agency, France
- 2:00 – 2:30 pm **ExoMars Robotics**  
David Barnes, Aberystwyth University, UK
- 2:30 – 3:00 pm **Photogrammetry on Mars Exploration Rover Mission Precursor  
Missions**  
Konrad Willner, German Aerospace Center, Germany
- 3:00 – 3:15 pm **Break**
- 3:15 – 3:30 pm **Camera Geometric Calibration using Images of Star Fields**  
Konrad Willner, German Aerospace Center, Germany
- 3:30 – 4:00 pm **HiRISE (High-Resolution Image Science Experiment) Mapping**  
Peter Muller, University College London, UK
- 4:00 – 4:30 pm **OSU's Involvement in Mars Exploration Rover 2003 Mission and  
ExoMars Missions**  
Ron Li, The Ohio State University
- 4:30 – 4:50 pm **Questions and Answers**