

**W-F01
WORKSHOP
ON
Planetary
Rovers**



April 22, 2005, Barcelona Spain.

Coordinator: Richard Volpe, Jet Propulsion Laboratory, California Institute of Technology

Talks:

Mars Rover Technology Infusion

Richard Volpe, JPL, Caltech
paper

MER Mobility and Surface Autonomy: Capabilities and Results

Mark Maimone, JPL, Caltech
paper

Targeting Rocks - Robotic Exploration Challenges

Liam Pedersen, NASA Ames
paper

Field Experiments in Robotic Astrobiology

David Wettergreen, CMU
paper

Locomotion Concepts, Motion Control and 3D Odometry for Planetary Rovers

Roland Siegwart, EPFL
paper

An experimental comparison of stereovision odometry approaches

Simone Lacroix, LAAS
paper

The Robovolc project: Results on the exploration of volcanoes

Giovanni Muscato, Univ of Catania
paper

Asteroid Exploration Rover

Takashi Kubota, ISAS / JAXA