

Space Robotics

Field Trials of SnoMotes at Mendenhall / Lemon Creek Glacier, Alaska:

Designed to test capabilities of mobile sensor web for autonomous in-situ sampling of science in polar regions. Of relevance to enable in-situ mapping of water resources at the lunar poles (Georgia Tech).

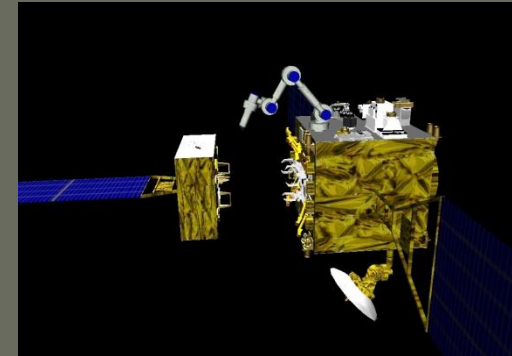


Planetary Robotics:

K10 planetary rover (NASA Ames) during the 2009 Desert RATS field campaign. Data acquired with K10's science instruments (gigapixel panoramic camera, 3D scanning lidar, and microscopic imager) was used to plan revised traverses; Fabrication and test of a Relational Robotic Controller (RRC)-based planetary rover. The system is controlled by a tactile system and a 3D binocular visual system that reverse engineers the human visual system (MCon, Inc.)

Orbital Robotics:

Impedance Control for Minimum Impact Grasping (Tohoku University)



Organizational:

Membership increased to 24 in 2010; ICRA workshops in '09 and planned for '10, attendance at ICRA '10 RAS TAB meeting ...



Contact a Co-Chair to Join:

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