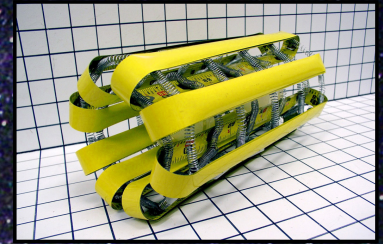




SwarmRobot.org

μ Rover

Space Horizons



RoMeLa

A workshop on next-generation microrovers for planetary exploration

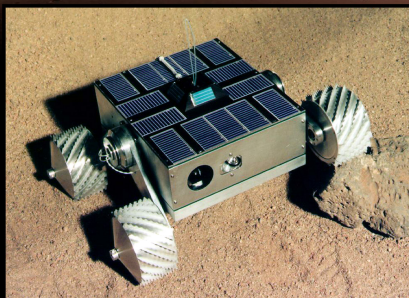


Benefits

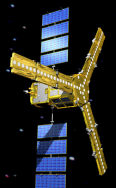
Smaller scale permits higher g-forces during landing and exploration. Multiple diverse configurations offer greater range of data and terrain. Pass data unit-to-unit from deep craters or non-earth-facing locations. Send spare units to mitigate potential losses from higher-risk terrain.

Challenges

Requires a new architectural model for mission planning and design. Logistics of dozens increases operational management complexity. Autonomous rover array management requires intelligent software. No flight heritage: How do we garner support to fund initial missions?



NASA JPL

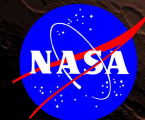


Workshop

February 16, 2012

Brown University
School of Engineering

<http://tinyurl.com/microrover>



For student registration, email Kenneth_Ramsley@brown.edu