

MARS'O BOT: A MARS SOCIETY AUSTRALIA ROBOTICS PROJECT

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It's currently not possible to send humans to Mars; however four decades of robotic landers have helped characterize Martian surface and local climate. NASA rover missions have demonstrated value in wheeled exploration. Current off the shelf technology allows for creation of sophisticated rovers here on Earth. The Mars'O Bot project proposes to develop an affordable rover suitable for Mars exploration. Mars'O Bot is loosely based on the Russian Marsokhod design and employs a low centre of gravity, skid steering and six wheeled drive. Mars'O Bot is controlled by a versatile, open source microprocessor architecture and is also designed to accommodate solar power generation, a multispectral camera and a remote sensing arm.