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Paper Title:	<b>Framework For The Communication Of Sensor Data In Multiple Rover Deployments</b>
Abstract:	<p>This work provides a method and framework for a low cost wireless sensor network (WSN) in support of autonomous exploration and intelligence gathering. In today's budget constrained environment, NASA is looking for innovative and cost effective methods to provide access to Space. Leveraging the success of the CubeSat Project, this work addresses the need of a low cost Mars Tumbleweed Rover WSN for the exploration and intelligence gathering of remote terrain. Mars Tumbleweed Rovers are designed to use wind to autonomously propel a network of sensors. While navigating the surface of Mars, or Earth based locations, the rovers collect, aggregate, and communicate environmental and spatial sensor data. The Mars Tumbleweed Rover program envisions releasing numerous autonomous rovers packed with sensors into a remote, desolate, and harsh dynamic environment, requiring a self-configurable, adaptable WSN. This work provides a low cost, readily available, implementation, and framework for a WSN to be deployed on Mars Tumbleweed Rovers. This framework results in a platform to promote new research, exploration, and intelligence gathering of remote locations by Science, Technology, Engineering, and Math (STEM) students and educators. The result of this work provides a low cost framework, method, and implementation for increased access to space exploration and sensing of remote locations.</p>

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