

# 5<sup>th</sup> JOINT MEETING



&



Sponsored by:



Golden, CO  
June 10-11, 2014



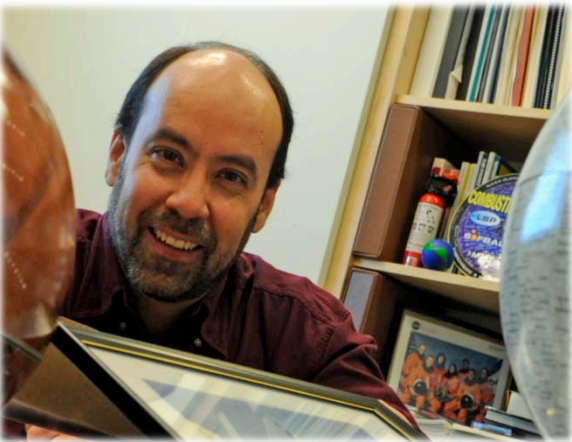
# SRR-PTMSS Technical Committee



**Leslie Gertsch (MST)**



**Dale Boucher (Deltion)**

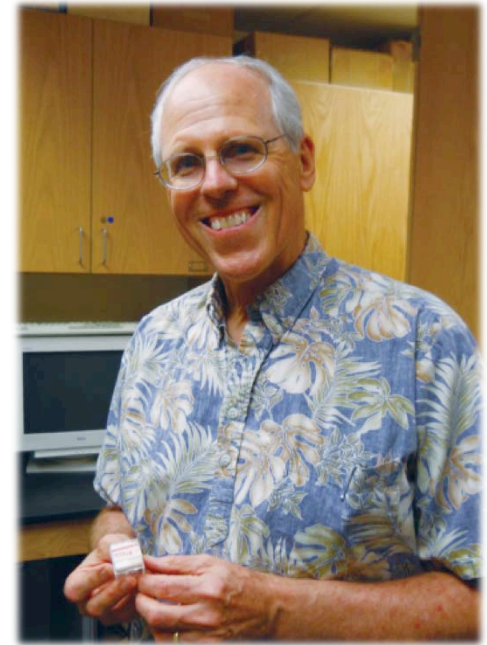


**Angel Abbud-Madrid (CSM)**



**Stephen Mackwell (LPI)**

**Jeff Taylor (UH)**



**Sherry Schmidt (Deltion)**



# SERVI

SOLAR SYSTEM EXPLORATION RESEARCH  
VIRTUAL INSTITUTE

## The Global Exploration Roadmap

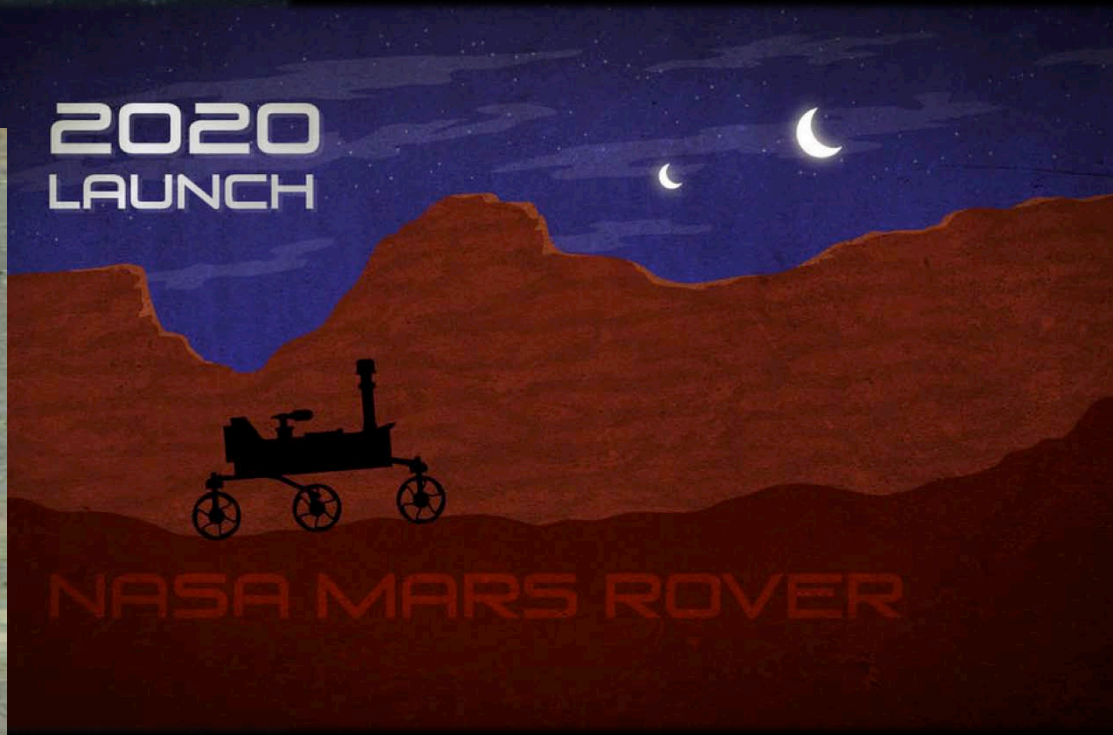
**RPM**



**Resource Prospector Mission**

**2020  
LAUNCH**

**NASA MARS ROVER**





# Chang'e 3



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LUNAR **XPRIZE**







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## 3 Private Moon Lander Concepts Make NASA's Short List



# NASA Robotic Mining Competition



Pacific International  
Space Center for  
Exploration Systems



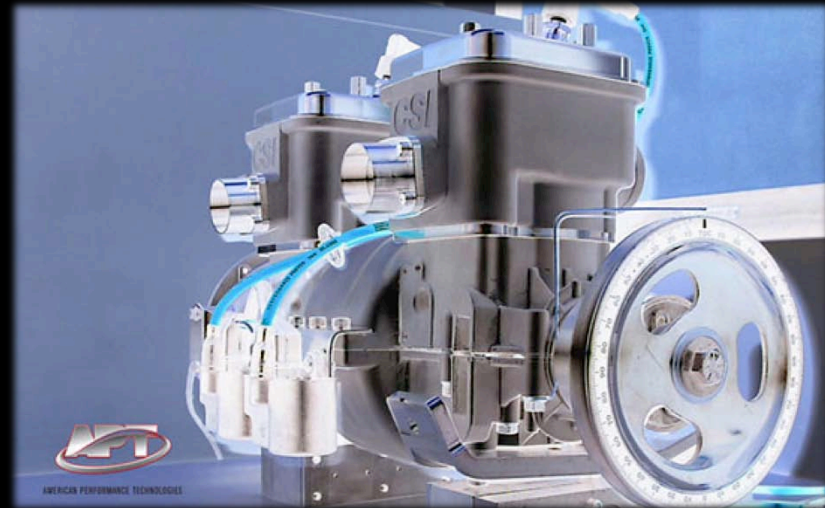




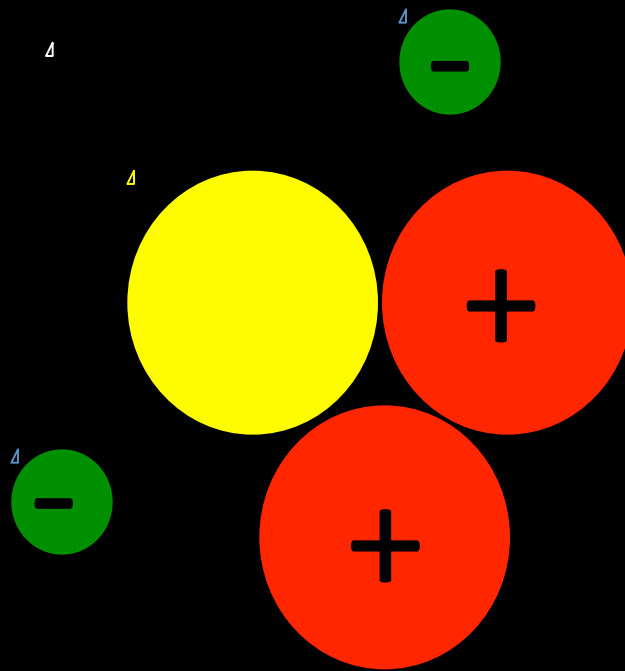
\* Moon-grown plants



\* Internal Combustion Engine



\* Lunar Organic Waste Reformer



$^3\text{He}$

\* Citizen Science and Gaming

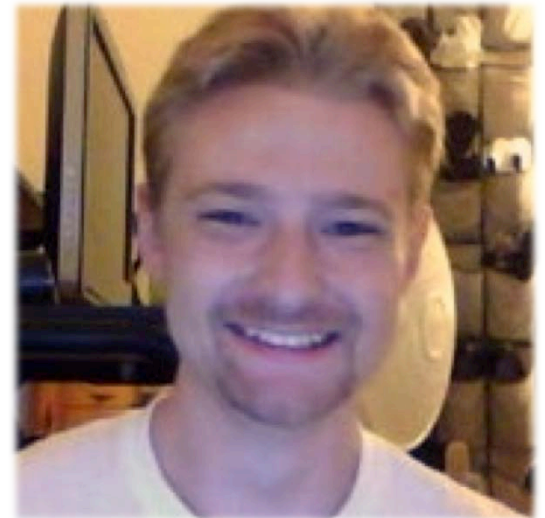


# **SRR Scholarships**



**Armando Delgado**  
**Ph.D. student**  
**University of Texas at El Paso**

**Ian Seely**  
**Undergraduate student**  
**University of Hawaii at Hilo**



# In Memoriam ...



**Michael Wargo  
(1952-2013)**



**Frank Schowengerdt  
(1937-2014)**