



7th JOINT MEETING

**SPACE RESOURCES
ROUNDTABLE**



Colorado School of Mines
June 7-9, 2016



SPACE RESOURCES ROUNDTABLE



... 1999

**“ ... a recoverable resource,
technology to recover it,
and a customer.”**

Mike Duke at SRR I



SRR-PTMSS Technical Committee



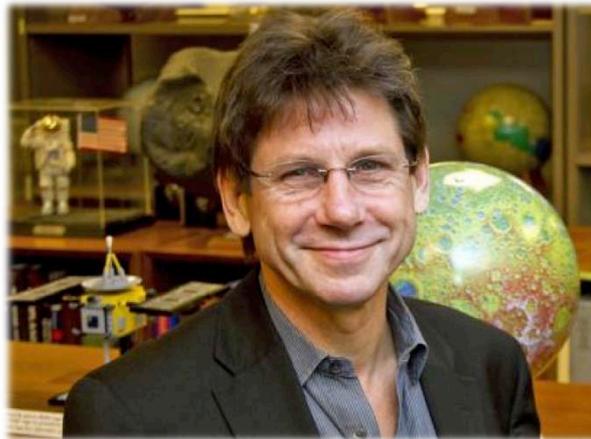
Leslie Gertsch (MST)



Dale Boucher (Deltion)



Angel Abbud-Madrid (CSM)



Stephen Mackwell (LPI)



Sherry Schmidt (Deltion)

Sponsors



The Value of Exploring the Moon



Lunar Resource Prospector Mission

Open the gateway to the Solar System

Lunar resources can be used for fuel and life support for operations in Earth-Moon space as well as for voyages to Mars and beyond.



Pioneer development of new technologies

The development of advanced hardware and infrastructure will expand commercial opportunities and create new wealth on Earth.

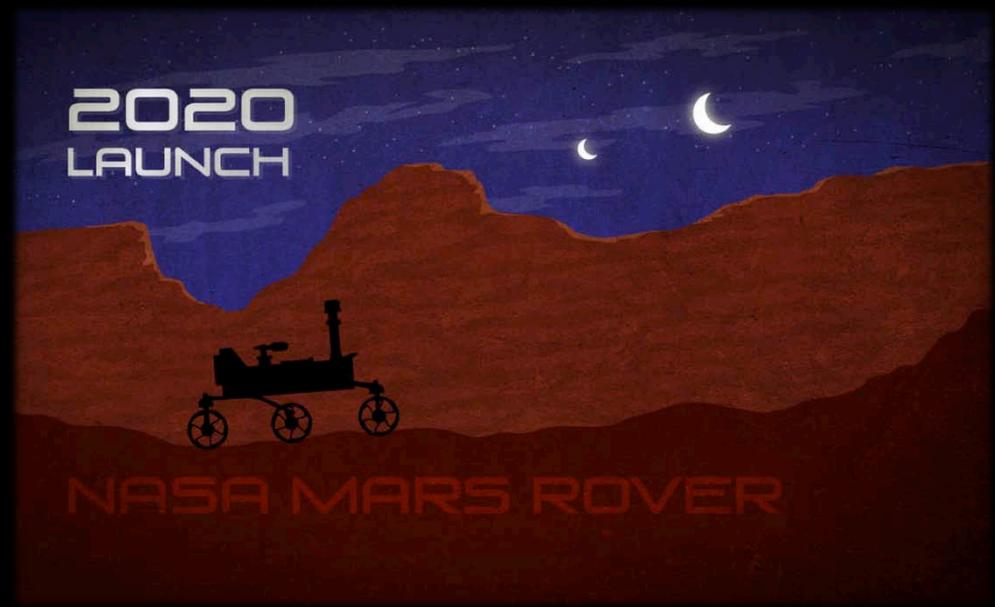
Enable new scientific discoveries

Scientific activities on the surface of the Moon uniquely support studies of early Solar System processes and enable telescopic investigations of the early Universe.

Promote international partnerships

America can still lead the world beyond low Earth orbit by forging collaborations to make the frontier of space accessible to all.





MARS

First Landing Site/Exploration Zone
Workshop for Human Missions
to the Surface of Mars



Asteroid Redirect Mission (ARM)

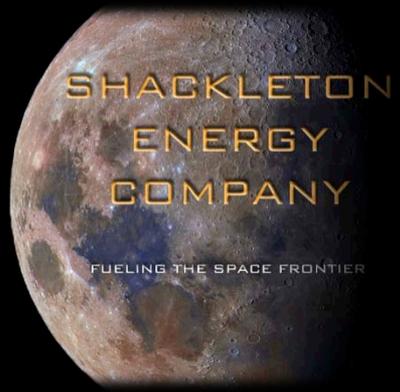


Asteroid Redirect Mission
Formulation Assessment
and Support Team

SERVI

SOLAR SYSTEM EXPLORATION RESEARCH
VIRTUAL INSTITUTE





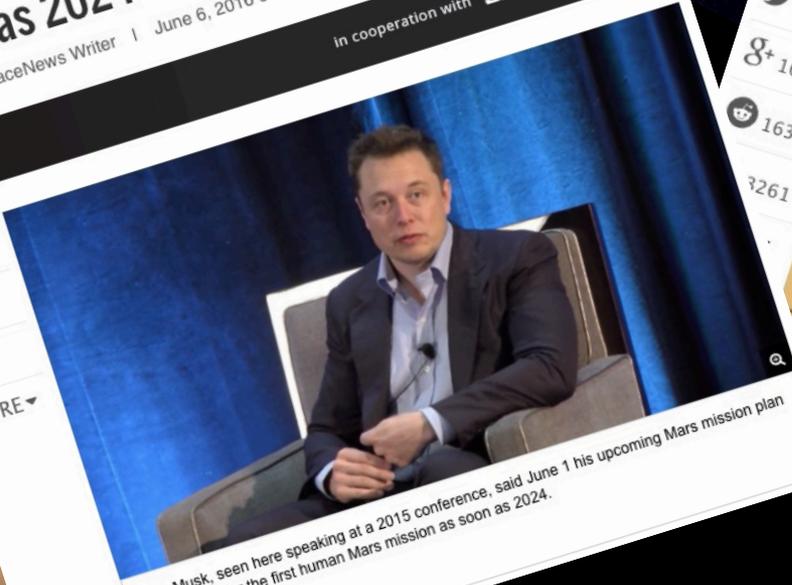
U.S. Set to Approve Moon Mission by Commercial Space Venture

Startup proposes to land payload of scientific gear on lunar surface some time next year

Elon Musk Wants to Send Astronauts to Mars as Soon as 2024

By Jeff Foust, SpaceNews Writer | June 6, 2016 01:30pm ET
in cooperation with **SPACENEWS**

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Elon Musk, seen here speaking at a 2015 conference, said June 1 his upcoming Mars mission plan would allow for the first human Mars mission as soon as 2024.
Credit: CASIS video still

Plan to Turn Asteroids Into Spaceships Could Spur Off-Earth Mining

By Mike Wall, Space.com Senior Writer | June 6, 2016 07:00am ET

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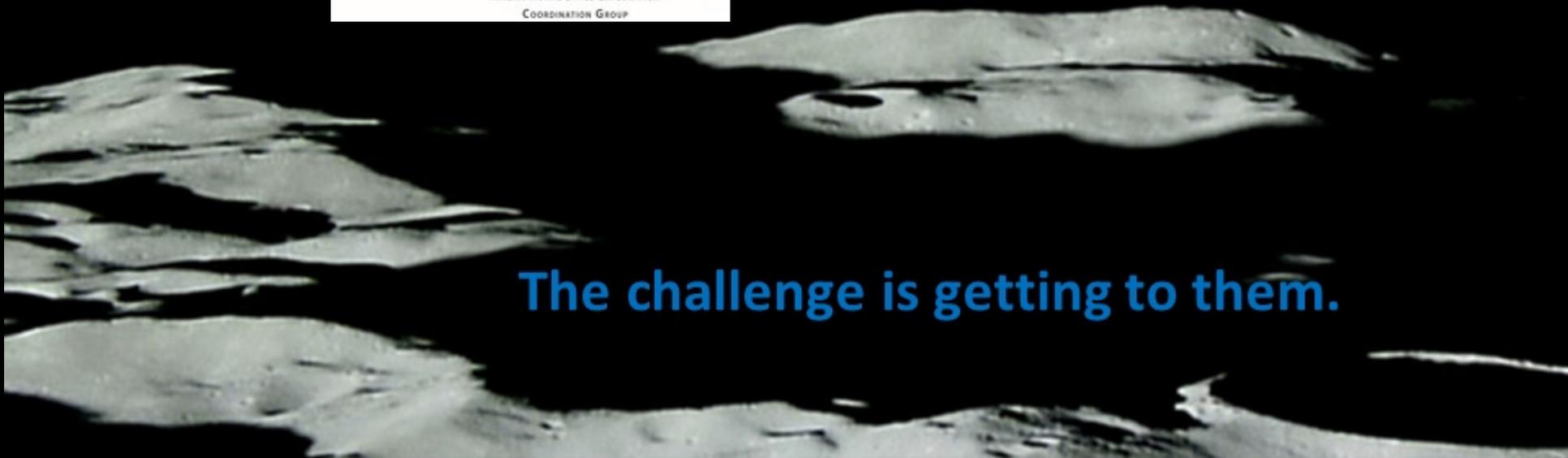
Google
LUNAR **XPRIZE**[®]



**Water and other volatiles are
on the Moon...**



The challenge is getting to them.





114TH CONGRESS
1ST SESSION

H. R. 1508

To promote the development of a United States commercial space resource exploration and utilization industry and to increase the exploration and utilization of resources in outer space.

IN THE HOUSE OF REPRESENTATIVES

MARCH 19, 2015

Mr. POSEY (for himself and Mr. KILMER) introduced the following bill; which was referred to the Committee on Science, Space, and Technology

A BILL

To promote the development of a United States commercial space resource exploration and utilization industry and to increase the exploration and utilization of resources in outer space.

H. R. 2262



One Hundred Fourteenth Congress of the United States of America

AT THE FIRST SESSION

Begin and held at the City of Washington on Tuesday,
the sixth day of January, two thousand and fifteen

An Act

To facilitate a pro-growth environment for the developing commercial space industry by encouraging private sector investment and creating more stable and predictable regulatory conditions, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE; TABLE OF CONTENTS; REFERENCES.

(a) SHORT TITLE.—This Act may be cited as the "U.S. Commercial Space Launch Competitiveness Act".

(b) TABLE OF CONTENTS.—The table of contents of this Act is as follows:

Sec. 1. Short title; table of contents; references.

TITLE I—SPURRING PRIVATE AEROSPACE COMPETITIVENESS AND ENTREPRENEURSHIP

Sec. 101. Short title.

Sec. 102. International launch competitiveness.

Sec. 103. Indemnification for space flight participants.

Sec. 104. Launch license flexibility.

Sec. 105. Licensing report.

Sec. 106. Federal jurisdiction.



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG



THE
MARTIAN

MARS

OUR FUTURE ON THE RED PLANET

LEONARD DAVID
FOREWORD BY RON HOWARD

COMPANION BOOK TO THE SERIES SEEN ON



SRR Scholarship 2016



Armando Delgado
Ph.D. student

*Environmental Science and
Engineering Energy Track*

University of Texas at El Paso

Intern: NASA KSC



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