

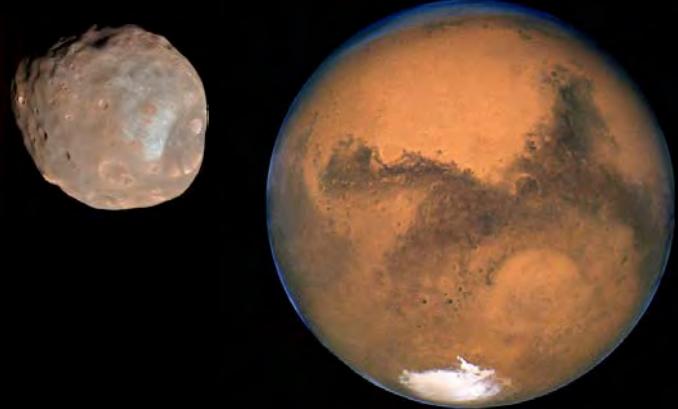
Angel Abbud-Madrid  
*Colorado School of Mines*

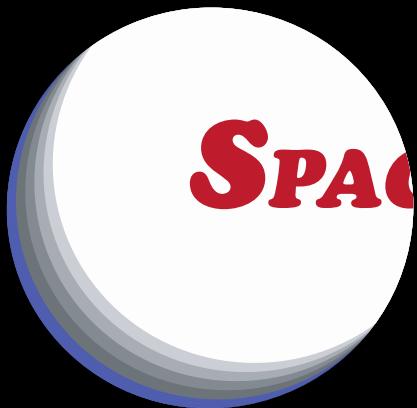
Leslie Gertsch  
*Missouri University of Science & Technology*

Dale Boucher  
*Deltion Innovations, LTD*



LEAG Meeting  
October 20, 2015





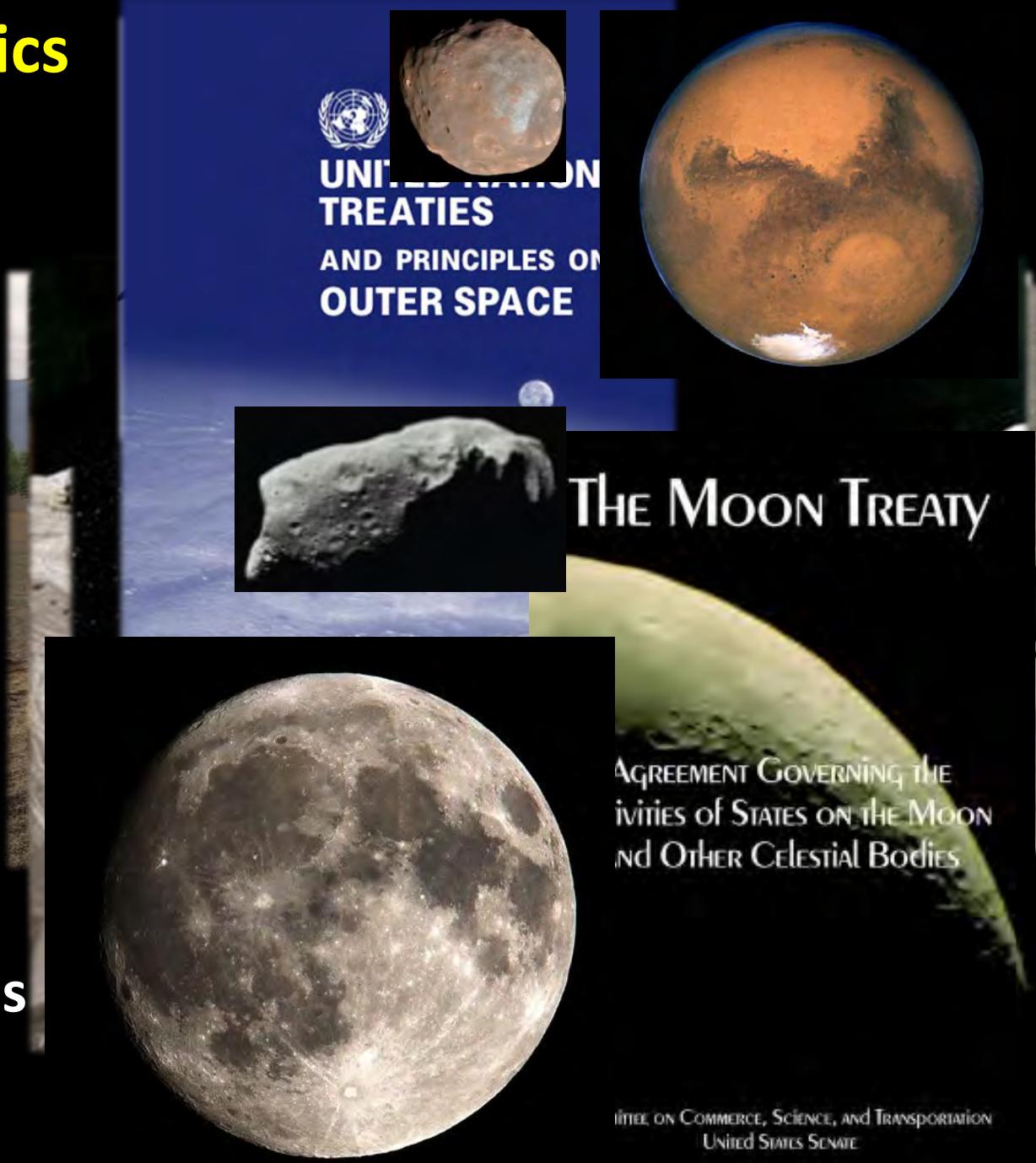
**“ ... a recoverable resource,  
technology to recover it,  
and a customer.”**

**Mike Duke at SRR I (1999)**

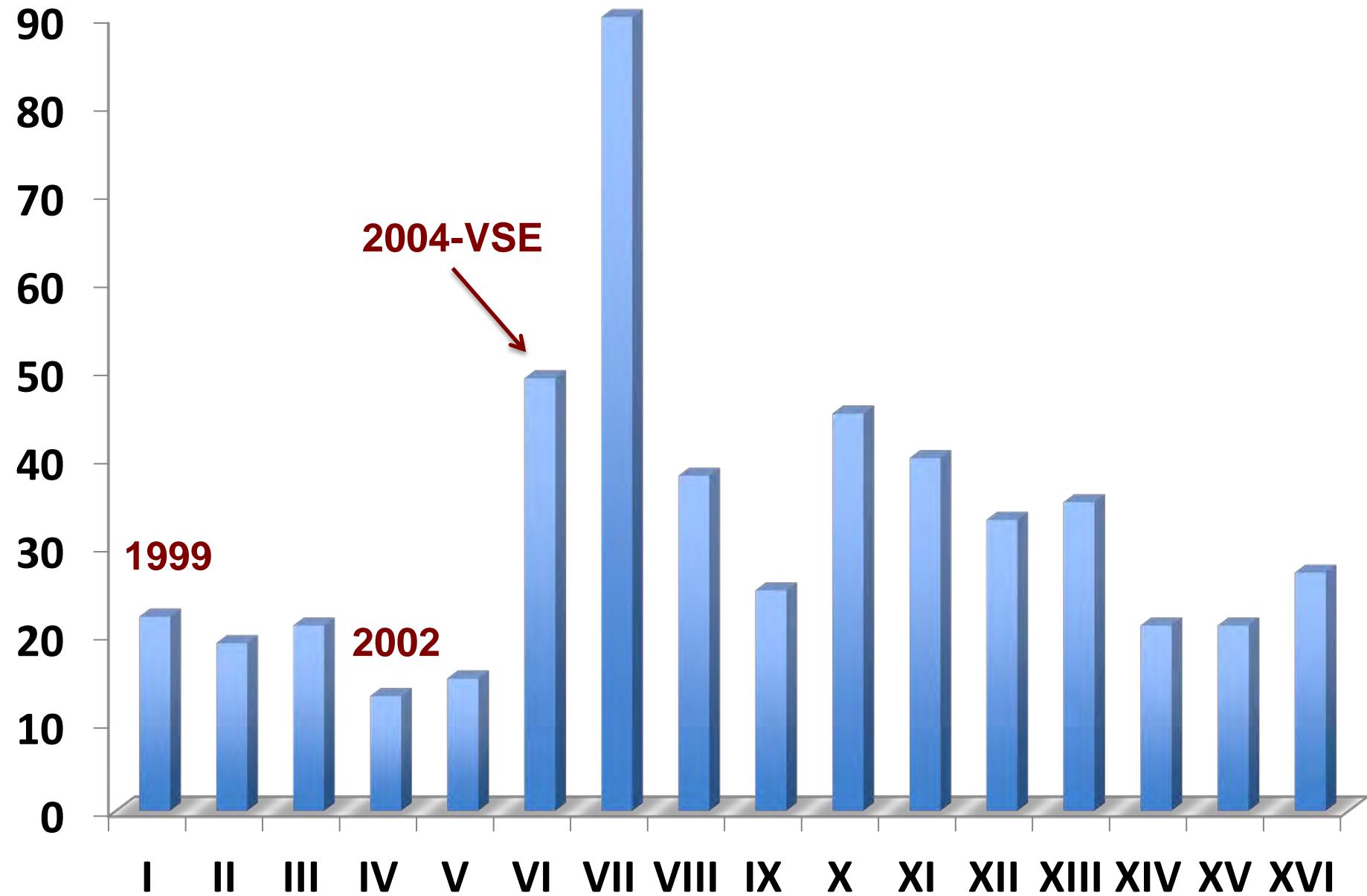


# Roundtable Topics

- Exploration
- Excavation
- Drilling
- Transportation
- Extraction
- Processing
- Utilization
- Infrastructure
- Economics
- Commercial uses
- Legal aspects

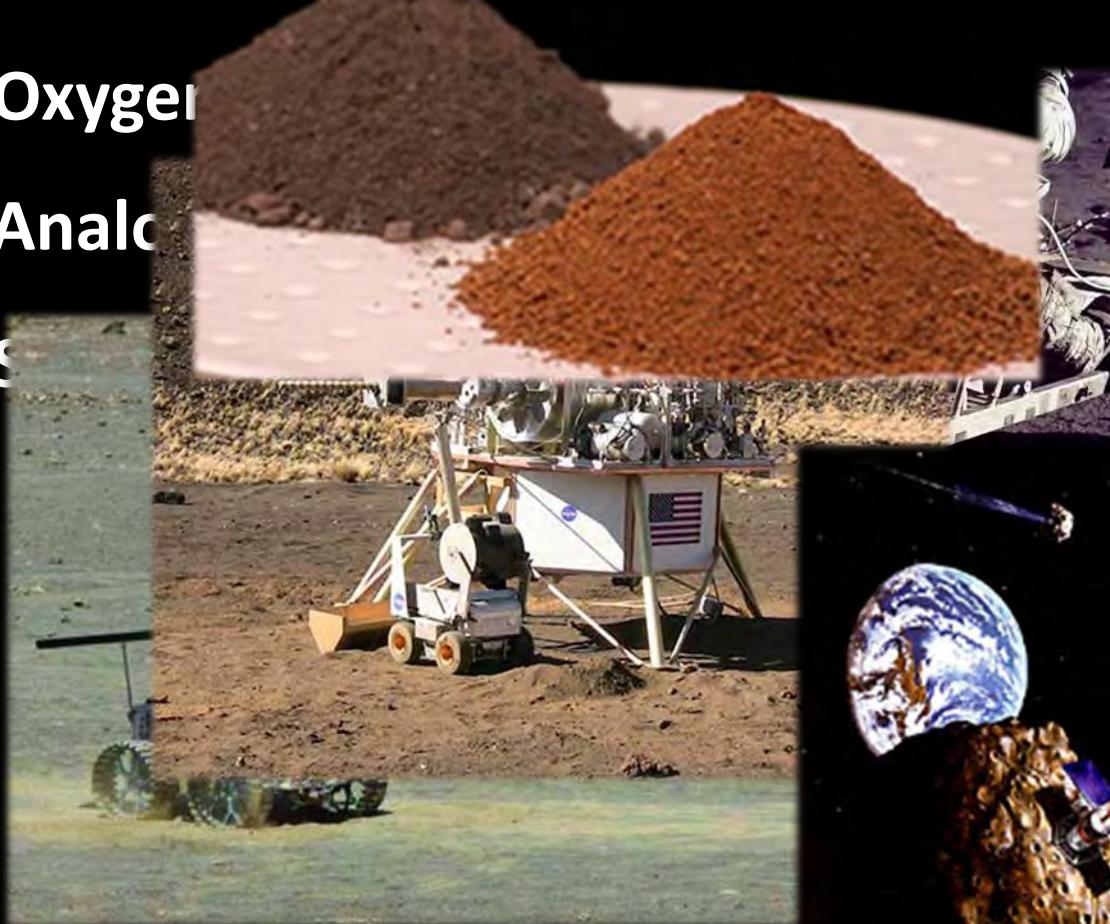


# SRR Presentations (1999-2015)

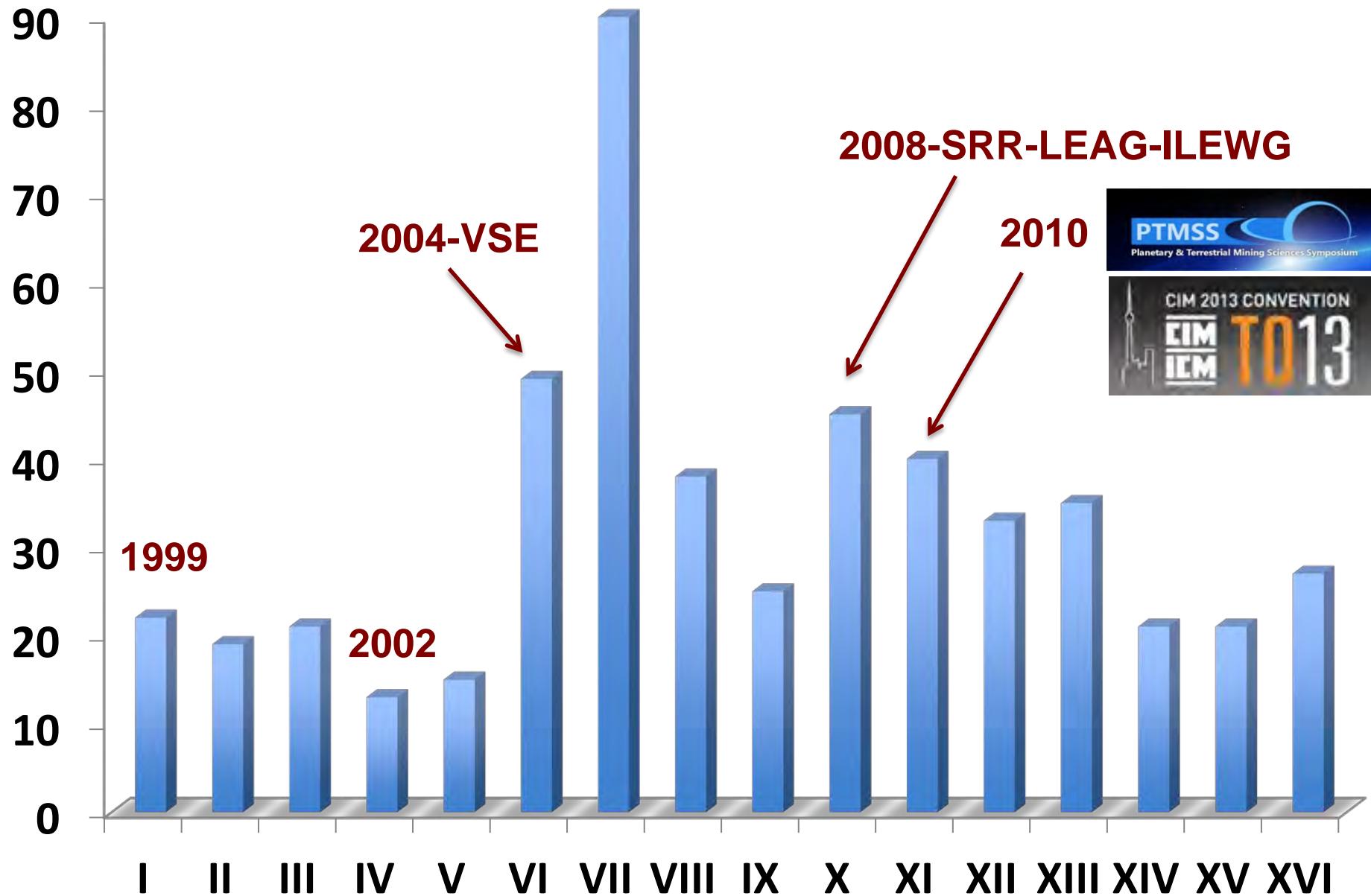


# New Roundtable Topics after VSE

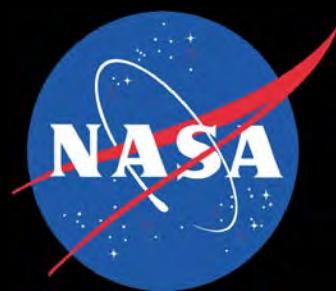
- Regolith simulants
- Dust mitigation
- Oxygen
- Analogs
- S



# SRR Presentations (1999-2015)



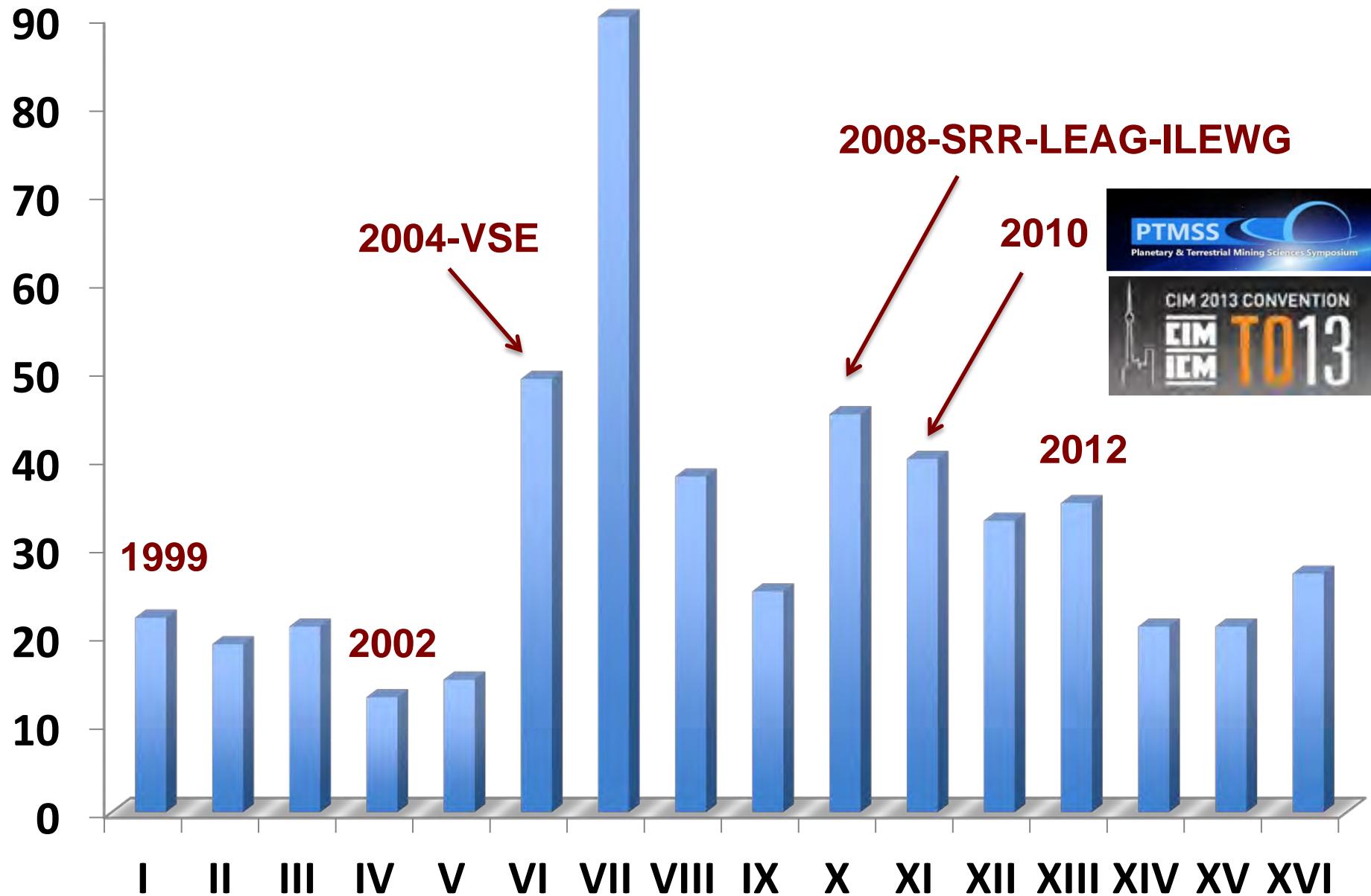
# Tech Demos

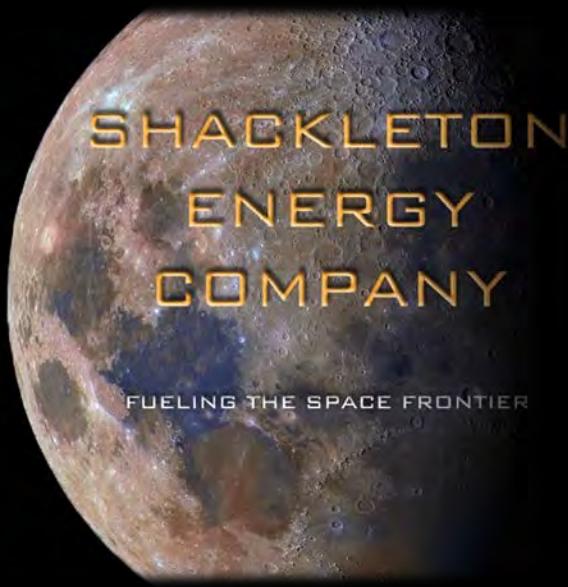


## NASA Robotic Mining Competition



# SRR Presentations (1999-2015)





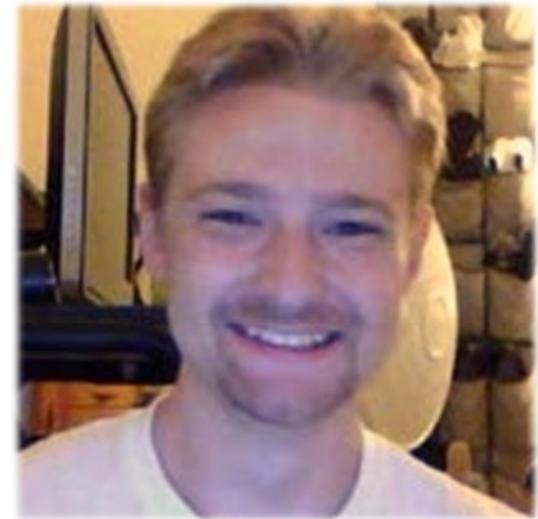
# SRR Scholarships



**2010**

**Michael Neale**

University of Pretoria, South Africa



**2014**

**Ian Seely**

University of Hawaii at Hilo



**2012**

**Armando Delgado**

University of Texas at El Paso



**2015**

**Alena Probst**

Universität der Bundeswehr München

## The Space Resources Roundtable



### Leading Discussion for In-Situ Resource Utilization

Joining individuals from the space exploration community, the financial sector, and mining and minerals industries, the SRR seeks to bring together interested parties to discuss issues related to the In-Situ Resource Utilization (ISRU) of lunar, asteroidal and martian resources.

The Roundtable is a continuing series of such engagements, each designed to strengthen the communication and technical ties between these sectors.

Conference Proceedings  
1999 - SRR I  
2000 - SRR II  
2001 - SRR III  
2002 - SRR IV  
2003 - SRR V  
2004 - SRR VI  
2005 - SRR VII  
2006 - SRR VIII  
2007 - SRR IX  
2008 - SRR X  
2010 - SRR XI / PTMSS  
2011 - SRR XII / PTMSS  
2012 - SRR XIII / PTMSS  
2013 - SRR XIV / PTMSS  
2014 - SRR XV / PTMSS  
2015 - SRR XVI / PTMSS

Research

White Papers

About

Contact

Conferences

### Latest SRR News

October, 2015



All members of the scientific and human spaceflight communities are encouraged to participate in the First Landing Site/Exploration Zone Workshop for Human Missions to the Surface of Mars. The workshop will be held October 27 to 30, 2015, at the Lunar Planetary Institute (LPI) in Houston, TX.

The purpose of this workshop is to identify and discuss candidate locations where humans could land, live and work on the martian surface.

THE REGISTRATION DEADLINE HAS BEEN EXTENDED TO OCTOBER 7TH. More information can be found at:

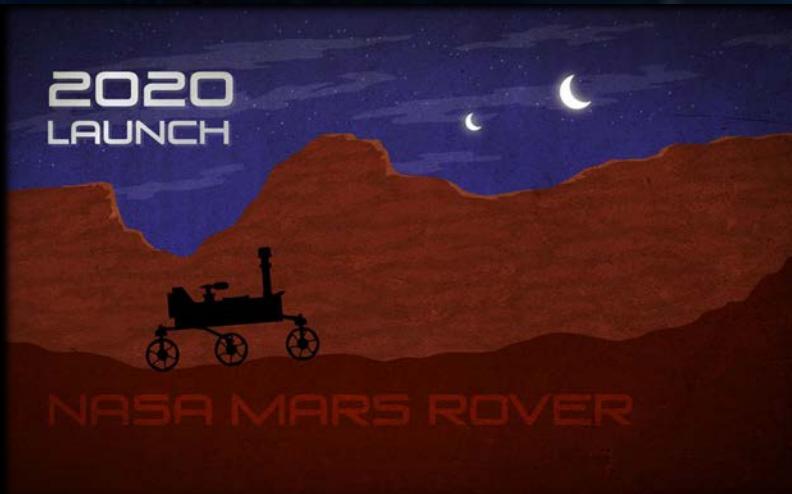
[\*\*First Landing Site/Exploration Zone Workshop for Human Missions to the Surface of Mars\*\*](#)



The American Society of Civil Engineers (ASCE) will hold the 15th Biennial ASCE Aerospace International Conference on Engineering, Science, Construction, and

# SERVI

SOLAR SYSTEM EXPLORATION RESEARCH  
VIRTUAL INSTITUTE



MARS

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

A graphic featuring the word "MARS" in large, stylized letters. Below it, the text "First Landing Site/Exploration Zone Workshop for Human Missions to the Surface of Mars" is displayed in white against a dark, textured background.



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



# The Value of Exploring the Moon

## 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

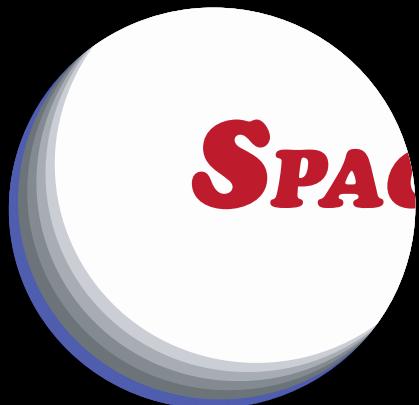
Scientific activities on the surface of the Moon uniquely support studies of early Solar System processes and enable telescopic investigations of the early Universe.

## 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.



**LEAG**



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