



9th JOINT MEETING

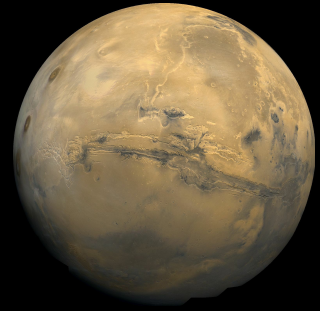
**SPACE RESOURCES
ROUNDTABLE**

PTMSS
Planetary & Terrestrial Mining Sciences Symposium

Colorado School of Mines
June 12-15, 2018



Mike Duke



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

SRR I, 1999



SRR-PTMSS Technical Committee



Leslie Gertsch (MST)



George Sowers (CSM)



Dale Boucher (Deltion)



Angel Abbud-Madrid (CSM)



Stephen Mackwell (USRA)



Sherry Schmidt (Deltion)



New policy directive implements commercial space regulatory reforms



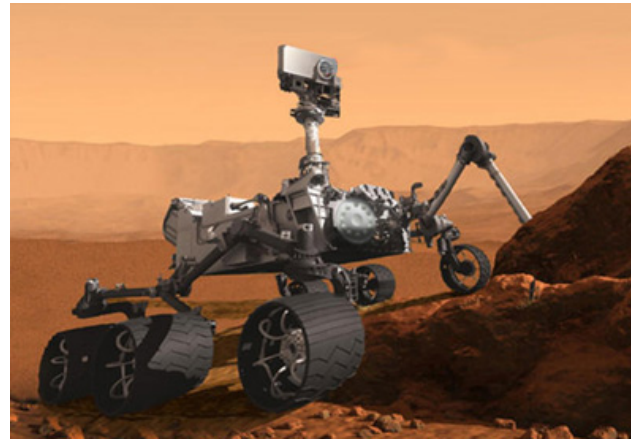
spoke about improving technology and returning to the moon to harvest resources, among other topics on the future of space travel for the U.S.

That Moon Colony Will Be a Reality Sooner Than You Think

By Wilbur Ross

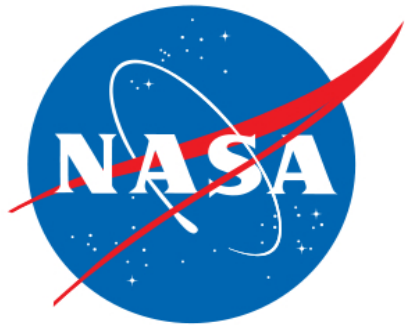
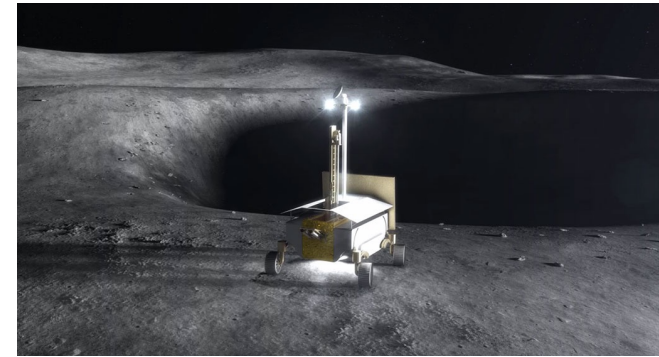
Mr. Ross is the secretary of commerce.





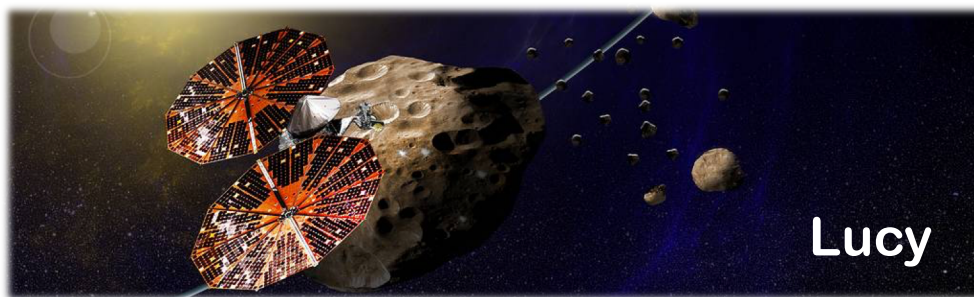
Mars 2020

**Resource Prospector
(Cancelled)**

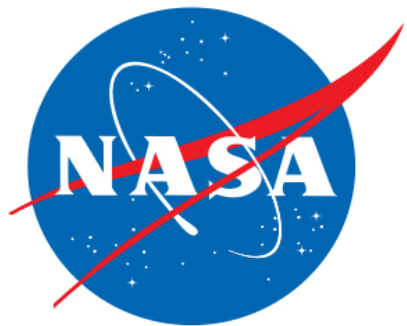




OSIRIS-REx



Lucy



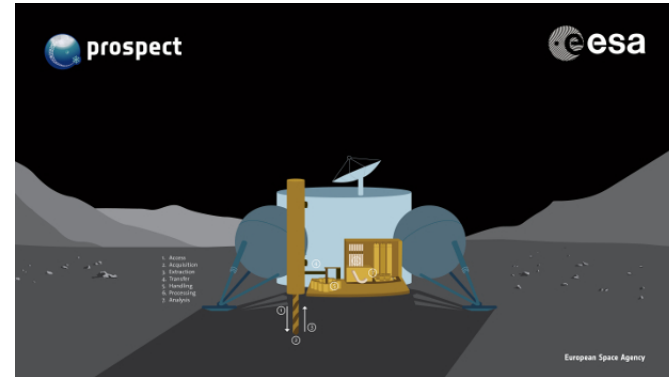
Psyche



United Arab Emirates

وكالة الإمارات للفضاء
UAE SPACE AGENCY

LUXEMBOURG AND THE UNITED ARAB EMIRATES SIGN MOU ON SPACE RESOURCES

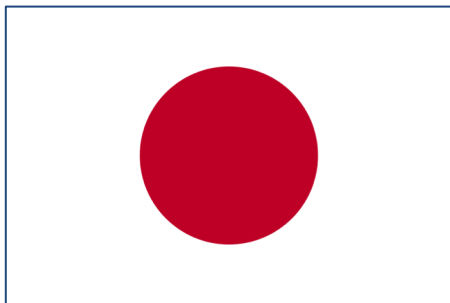


WORKSHOP: TOWARDS THE USE OF LUNAR RESOURCES

3-5 July 2018

European Space Research Technology Centre (ESTEC)

Noordwijk, the Netherlands



**With Sights Set Firmly On The Moon,
Japan Announces Nearly \$1 Billion For
Startups In Space Exploration**

India Is Sending a Rover to the Moon in 2018

Time to prep for colonization.

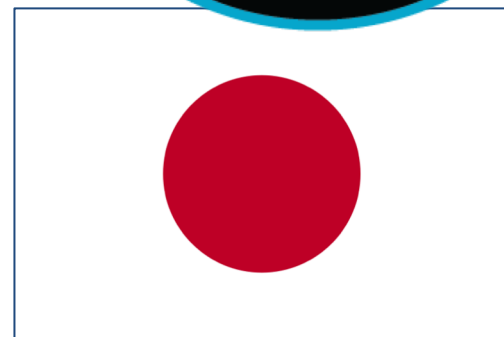


**South Korea's first lunar mission planned
for 2020**



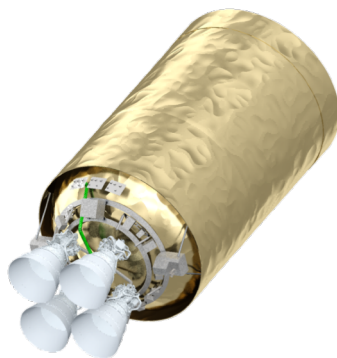
World

**Russia Teaming Up With China For Moon And
Deep Space Exploration**



MOON
VILLAGE ASSOCIATION

The Hague International Space Resources Governance Working Group



Elon Musk: In Seven Years, SpaceX Could Land Humans on Mars

The entrepreneur's updated plan calls for a giant rocket that could send humans to Mars—and possibly the moon—by 2024.



Jeff Bezos details his moon colony ambitions

Devin Coldewey @techcrunch / May 27, 2018



HONEYBEE ROBOTICS
Spacecraft Mechanisms Corporation



DSI
DEEP SPACE INDUSTRIES

 **PLANETARY**
RESOURCES


ASTROBOTIC

moon express
me
the moon is me


CisLunar Industries

Deltion
Innovations Ltd

spaceapplications
SERVICES

**MADE
IN SPACE**


SHMZ

PARAGON
SPACE DEVELOPMENT CORPORATION


ATEN
ENGINEERING

TRANS

ASTRA

 **BLUESHIFT**


ATOMOS
NUCLEAR AND SPACE

 **Lunar Outpost**

 **i s p a c e**

OFFWORLD

PIONEER
ASTRONAUTICS

airsquared

 **Advanced**
SPACE

THERMAL
SPACE



SPACE RESOURCES PROGRAM

COLORADO SCHOOL OF MINES

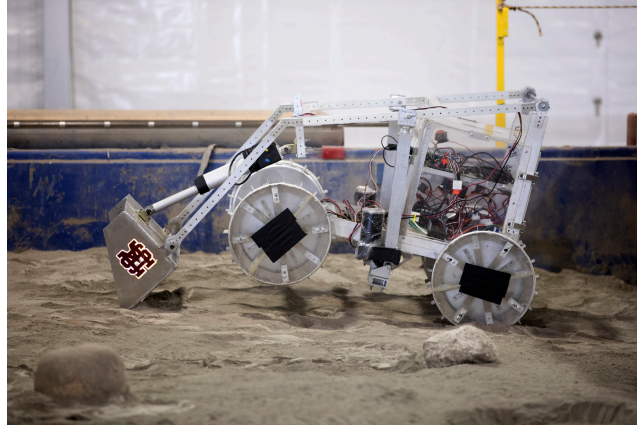


“... educating scientists, engineers, economists, entrepreneurs, and policy makers in the developing field of space resources.”

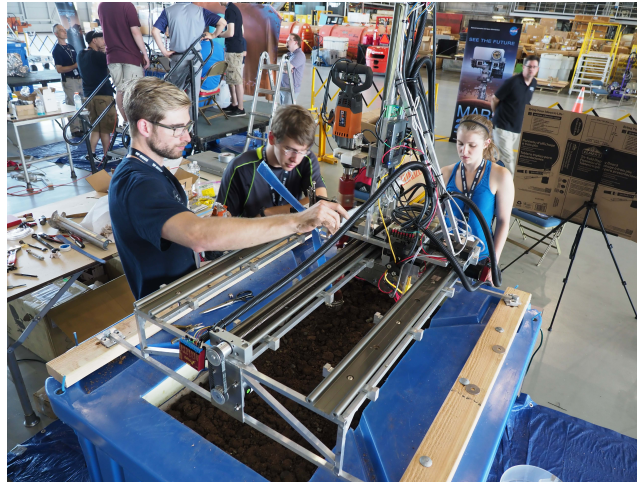
DEGREE OFFERINGS

- Post-baccalaureate Certificates
- Master of Science Non-Thesis
- Ph.D.

NASA Opportunities for Undergraduates



2018

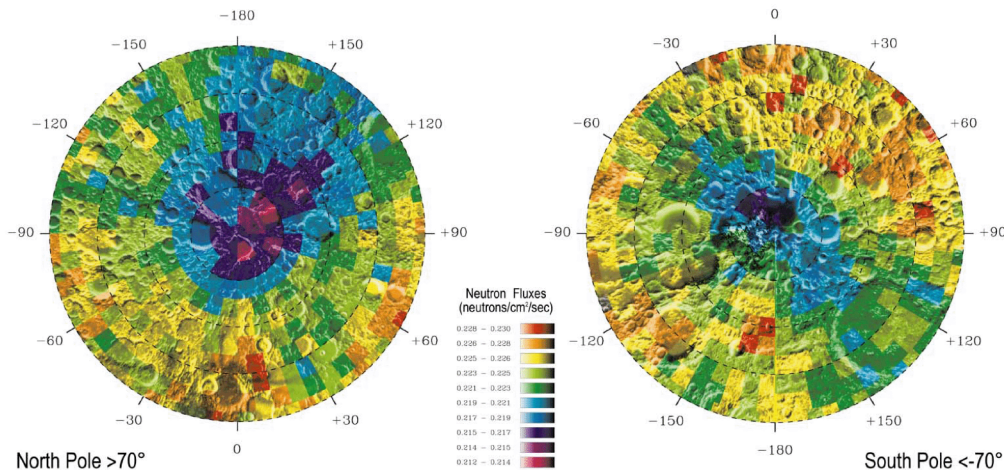


SRR/PTMSS Sponsors



LUNAR POLAR PROSPECTING WORKSHOP

Thursday 1:30 PM – Friday 12:30 PM





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