



Space Resources Roundtable and
Planetary & Terrestrial Mining Sciences Symposium

***First Joint Meeting of the
Space Resources Roundtable
and the
Planetary & Terrestrial Mining Sciences Symposium***

**Colorado School of Mines
June 8-10, 2010**

Sponsored by:



**Second Announcement
April 2010**

STEERING COMMITTEE

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SCHEDULE

April 30	Abstract submission deadline (submit to: aabbudma@mines.edu)
May 14	Final announcement mailed
May 21	Preregistration deadline
June 8-10	Space Resources Utilization Roundtable XI and Planetary & Terrestrial Mining Sciences Symposium at Colorado School of Mines

PURPOSE AND SCOPE

The Space Resources Roundtable, Inc. (SRR) and the Planetary & Terrestrial Mining Sciences Symposium (PTMSS) in collaboration with the Colorado School of Mines (CSM) and the Lunar and Planetary Institute (LPI), will convene their first joint meeting on June 8-10, 2010 at Colorado School of Mines, in Golden, CO.

The *Space Resources Roundtable* brings together space professionals, natural resources industry personnel, and entrepreneurs interested in developing the resources of space, including the Moon, Mars, asteroids, comets, and other bodies of this solar system. The goal of the Space Resources Roundtable is to advance prospects for the commercial development of space resources through information exchange among government, commercial, and academic organizations.

The purpose of the *Planetary & Terrestrial Mining Sciences Symposium* is to promote a closer relationship between the space and mining sectors. The intent is to allow mining experts to network with space scientists and engineers, to share knowledge, and to foster collaboration.

The recent shift in NASA's strategy for space exploration presents unique implications to both near and long-term plans for the search and utilization of space resources. This first joint meeting of the SRR and PTMSS will provide a forum for discussion on the potential opportunities available for space resources research and technology development in this new environment.

The SRR and the PTMSS solicit presentations about:

- Orbital or landed measurements of the Moon, Mars, and/or asteroids and comets to identify and characterize potential resources
- Resource utilization experiments
- Resource processing technologies
- Experiment results that could lead to manufacturing with space resources
- Commercial details of space resources on Earth and in Space
- Space power systems
- Materials transportation systems – in space and on the surface
- Space transportation systems utilizing space resources
- Market demand and utilization scenarios for space resources and their products
- The relationship between government-funded exploration and private ventures in identifying and using space resources, and how to develop public-private partnerships
- Property rights in space
- Or any other serious study of space resources-related topics.



The meeting will be organized to accommodate both the discussion of technical reports and subgroup analyses of specific topics of particular interest. The white papers we produce from these analyses provide decision makers with technically sound recommendations for incorporating space resources into new exploration programs.

To showcase the progress achieved to date in the space resources field, there will be a half-day session on ISRU technology demonstrations. Excavators, drilling mechanisms, rovers, chemical extraction plants, and other hardware designed for space-resource applications will be exhibited and operated.

WHEN AND WHERE

The first joint meeting of the SRR and the PTMSS will be held in Metals Hall at the Green Conference Center on the campus of the Colorado School of Mines, in Golden, Colorado on June 8-10, 2010. The campus is conveniently located to downtown Denver and is about a 45-minute drive west on I-70 from Denver International Airport. For directions please visit: <http://www.mines.edu/MapsDirectionsParkingInfo>

Commercial shuttle service is available from Super Shuttle (www.supershuttledenver.com). The Super Shuttle ticket counter is located in the middle of the Main Terminal on the Baggage Claim Level 5. The counter is open from 7AM to 11PM daily. No reservations are required. Other travel information can be found on: http://outreach.mines.edu/cont_ed/travel.htm

Accommodations within walking distance to CSM include:

Table Mountain Inn:	1310 Washington Ave., Golden, CO.	Ph: (303) 277-9898 or (800) 762-9898
The Golden Hotel:	800 11th St., Golden, CO.	Ph: (303) 279-0100 or (800) 233-7214
Dove Inn Bed & Breakfast:	711 14th St., Golden, CO.	Ph: (303) 278-2209 or (888) 278-2209

Visit http://outreach.mines.edu/cont_ed/accommod.html for more information on accommodations.

It is advised to *reserve rooms as soon as possible*. When reserving, indicate that you are attending a Colorado School of Mines sponsored activity to get the best rate possible.

ABSTRACTS

Submit abstracts electronically using Adobe Acrobat PDF format (preferred) or Microsoft Word to Angel Abbud-Madrid at: aabbudma@mines.edu. The preferred layout is in two columns, using Times New Roman 10-point font. Refer to the accompanying Microsoft Word template for precise format details. Abstracts are limited to two pages, including all figures, tables, and references. Longer submissions will be cut off after the second page. Abstracts may be on any topic related to space resources and their utilization. See the list above for this year's emphases, and check previous SRR presentations at <http://www.isruinfo.com/>

Abstracts are mini-papers; tell all the information in concise form rather than promising to talk about it. State conclusions and recommendations clearly and briefly. Abstracts may be refused if the Steering Committee deems they are inappropriate or not substantive.

Abstracts are due by April 30th, to allow time for program organization. The Final Announcement, to be sent on May 14th, will include a schedule of talks and posters.



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TALK VS. POSTER

Presenters may choose whether to give a talk or a poster (both require an abstract). Talks are 15 or 20 minutes in length (depending on the number submitted), given to the other attendees and accompanied by digital or analog slides. Posters can be up to 36x36 inches (914x914 mm) in size with minimum 18-point font. Use 164-point font for the poster title. Both slides and posters should be sparse with words and dense with pertinent images; readability is paramount.

STUDENT SCHOLARSHIPS

This year several scholarships are available to offset travel and registration costs for undergraduate and graduate students participating in the meeting. Scholarship recipients are required to give a poster or talk. Applicants must submit a letter of application (along with their abstract) stating how their research contributes to the space resources field. A letter of support from their advisor, or other faculty member familiar with their interest in ISRU is also required. All material should be submitted in PDF format (preferred) or Microsoft Word by April 30th to Angel Abbud-Madrid at: aabbudma@mines.edu

REGISTRATION FEE

Registration for the SRR-PTMSS joint meeting is as follows:

- 1) By May 21, 2010: \$350 (USD)
- 2) After May 21, 2010 and prior to June 8, 2010: \$375 (USD)
- 3) On-site registration: \$425 (USD)

In addition to a year's membership to the Space Resources Roundtable, the registration fee includes the opening reception on the evening of June 8, a catered dinner on the evening of June 9, continental breakfast and lunch on all three days of the meeting, and coffee/soft drinks at morning/afternoon breaks.

Please submit the online registration form with credit-card payment or wire transfer to:
<http://www.csmospace.com/register.php?c=123>

Registrants will be provided with a full set of abstracts at the beginning of the meeting. Abstracts, summaries of discussion, and presentation materials will be collected and posted at www.ISRUinfo.com.