

# **SPACE RESOURCES ROUNDTABLE IX**

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**Colorado School of Mines  
October 25-27, 2007**

[www.ISRUinfo.com](http://www.ISRUinfo.com)



Sponsored by:  
*Colorado School of Mines  
Lunar and Planetary Institute  
Space Resources Roundtable, Inc.*

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## **Second Announcement**

**Abstracts Due: September 14, 2007**

## **STEERING COMMITTEE**

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Angel Abbud-Madrid, Colorado School of Mines  
Bruce Damer, Digital Space  
Michael B. Duke, Colorado School of Mines  
Leslie Gertsch, University of Missouri-Rolla  
Alex Ignatiev, University of Houston  
Stephen Mackwell, Lunar and Planetary Institute  
Ed McCullough, Boeing  
Charles O'Dale, Senomix Software  
G. Jeffrey Taylor, University of Hawai'i  
Lawrence Taylor, University of Tennessee

## **CONTACT INFORMATION**

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Technical:

Leslie Gertsch  
GertschL@umr.edu

Logistics:

Office of Special Programs & Continuing Education (SPACE)  
space@mines.edu

## SCHEDULE

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September 14	Abstract submission deadline
September 29	Final announcement
October 25-27	Roundtable IX

### **PURPOSE AND SCOPE**

The Space Resources Roundtable, Inc., in collaboration with the Colorado School of Mines and the Lunar and Planetary Institute, will convene the ninth Space Resources Roundtable on October 25-27, 2007 at the Colorado School of Mines, in Golden, CO.

The purpose of the Space Resources Roundtable is to bring together space professionals, natural resources industry personnel (mining, quarrying, construction), and entrepreneurs interested in developing and utilizing the resources of space, including the Moon, Mars, asteroids, comets, and other solar system bodies. The goal of the Space Resources Roundtable is to advance the commercial development of space resources through information exchange among government, commercial, and academic organizations.

This year's meeting once again will be fascinating. Interest in *in situ* resource utilization (ISRU) on the Moon and Mars continues to increase. In addition to Europe and Japan, China and India have announced plans for space. The Space Resources Roundtable, with its visionary and technically-savvy participants, is in a unique position to help shape these programs and guide the future.

Thus, the ninth Space Resources Roundtable solicits abstracts for talks or posters on:

- ISRU efforts elsewhere in the world.
- Planetary ISRU, including Mars, Mercury, and other planets in this solar system.
- Asteroid ISRU.
- ISRU of icy objects, including comets and icy bodies of the outer solar system.
- Properties and perspectives of regolith and regolith simulants.
- Support systems for resource utilization: power, communications, storage, data, *etc.*

The Roundtable will provide the opportunity to present technical reports in the above areas, and to discuss them with an eye to producing a white paper that provides decision makers with technically sound recommendations for incorporating space resources into exploration programs.

### **WHEN AND WHERE**

The Roundtable will be held in the Green Conference Center on the campus of the Colorado School of Mines, in Golden, Colorado. The campus is conveniently located to downtown Denver and is about a 45-minute drive west on I-70 from Denver International Airport. Commercial shuttle service is available from Super Shuttle ([www.supershuttledenver.com](http://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. Conference activities include a reception, dinner on the second evening, three continental breakfasts, two lunches, and coffee/soft drinks at morning/afternoon breaks. Accommodations within walking distance include:

Table Mountain Inn: 1310 Washington Ave. Golden CO 303-277-9898

The Golden Hotel: 800 11th St. Golden CO 303-279-0100

Dove Inn Bed & Breakfast: 711 14th St. Golden CO 303-278-2209

Visit [www.mines.edu/outreach/cont\\_ed/](http://www.mines.edu/outreach/cont_ed/) for more accommodations, maps, and other travel information.

## **ABSTRACTS**

Submit abstracts electronically using Adobe Acrobat PDF format (preferred) or Microsoft Word to Leslie Gertsch at [GertschL@umr.edu](mailto:GertschL@umr.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 Roundtable presentations at [www.ISRUinfo.com](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 September 14, to allow time for program organization. The Final Announcement, to be sent September 29, will include a schedule of talks and posters.

## **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 student participation in the Roundtable. Scholarship recipients are required to give a poster or talk. Applicants must submit a letter of application and a letter of support from their advisor, or other faculty member familiar with their interest in ISRU, before September 14 to Leslie Gertsch (address below). Electronic format is preferred, though paper format is acceptable.

## **REGISTRATION FEE**

Registration for Space Resources Roundtable IX is \$250 (\$200 for paid-up members, \$275 for those renewing existing memberships). Mail the accompanying registration form with payment to the Office of Special Programs and Continuing Education, Colorado School of Mines, 1500 Illinois St., Golden, CO 80401, or pay on-site at the Roundtable or online by credit card at [https://hagrid.mines.edu/outreach/cont\\_ed/form\\_pgp.htm](https://hagrid.mines.edu/outreach/cont_ed/form_pgp.htm).

In addition to a year's membership in the Space Resources Roundtable for nonmembers at 33% discount, the registration fee includes the opening reception on the evening of October 25, a catered dinner on the evening of October 26, continental breakfast on all three days of the meeting, and lunches on October 25 and 26. 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](http://www.ISRUinfo.com).

## **THE SPACE RESOURCES ROUNDTABLE, INC.**

The Space Resources Roundtable, Inc. is incorporated within the State of Colorado and has 501c(3) status with the U. S. Internal Revenue Service. Individual membership in the Space Resources Roundtable, Inc. is \$75/year. Send dues by check or money order to Professor Alex Ignatiev, SRR Treasurer, Texas Center for Semiconductors and Advanced Materials, University of Houston, Houston, TX 77204-5002.

**Logistical Point of Contact:**

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**Technical Point of Contact:**

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**CONFERENCE REGISTRATION FORM  
SPACE RESOURCES ROUNDTABLE IX**

Name \_\_\_\_\_ Title \_\_\_\_\_

Affiliation \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

Type of Presentation:     Talk     Poster

Digital projection is provided for talk slides. I also need:     Slide projector     Overhead projector

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Member Registration and Renewal (\$275)    \_\_\_\_\_

Non-Member Registration (\$250)    \_\_\_\_\_

Member Registration (\$200)    \_\_\_\_\_  
(my membership is up-to-date)

Payment Type:    \_\_\_\_\_ Check number     Credit card (fill out details below)

Credit Card Type:     American Express     MasterCard     Visa

Credit Card Number:    \_\_\_\_\_

Expiration Date:    \_\_\_\_\_

Name on Card:    \_\_\_\_\_

Signature:    \_\_\_\_\_

You are fully registered only when we have received your registration payment. Send check, money order or credit card information using this form, to arrive before October 11, to Space Resources Roundtable IX, Office of Special Programs & Continuing Education, Colorado School of Mines, Golden, CO 80401 (phone: 303-273-3321; fax: 303-273-3314; email: space@mines.edu)

Online credit-card alternative: [https://hagrid.mines.edu/outreach/cont\\_ed/form\\_pgp.htm](https://hagrid.mines.edu/outreach/cont_ed/form_pgp.htm). The name of the course is *Space Resources Roundtable IX*.

**Return before October 11, 2007 or Register On-site.**