



**Planetary & Terrestrial Mining Sciences Symposium and  
Space Resources Roundtable**

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

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**Albert at Bay Suite Hotel, Ottawa, Ontario, Canada  
June 19-22, 2011**

Sponsored by:



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**Second Announcement  
April 2011**

***STEERING COMMITTEE***

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Dale Boucher, Northern Centre for Advanced Technology Inc.  
Angel Abbud-Madrid, Colorado School of Mines  
Leslie Gertsch, Missouri University of Science and Technology  
Stephen Mackwell, Lunar and Planetary Institute  
G. Jeffrey Taylor, University of Hawai'i  
Robert Wegeng, Pacific Northwest National Laboratory

***CONTACT INFORMATION***

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**Scientific Program:**

**Dale Boucher & Angel Abbud-Madrid**

Steering Committee Chairs

[dboucher@norcat.org](mailto:dboucher@norcat.org), [aabbudma@mines.edu](mailto:aabbudma@mines.edu)

**Logistics:**

**Sherry Schmidt & Michelle McTaggart**

(NORCAT)

[sschmidt@norcat.org](mailto:sschmidt@norcat.org), [mmctaggart@norcat.org](mailto:mmctaggart@norcat.org)



## Planetary & Terrestrial Mining Sciences Symposium and Space Resources Roundtable

### **SCHEDULE**

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May 2	Preregistration deadline with discount (see: <a href="http://www.ptmss.com/Registration.aspx">http://www.ptmss.com/Registration.aspx</a> )
May 6	Abstract submission deadline (submit to: <a href="http://www.ptmss.com/Abstract_Submissions.aspx">http://www.ptmss.com/Abstract_Submissions.aspx</a> )
May 24	Final announcement
June 19-22	PTMSS and SRR XII meeting in Ottawa, Ontario, Canada

### **PURPOSE AND SCOPE**

The Planetary & Terrestrial Mining Sciences Symposium (PTMSS) and the Space Resources Roundtable, Inc. (SRR) in collaboration with the Lunar and Planetary Institute (LPI), will convene their second joint meeting on June 19-22, 2011 at the Albert at Bay Suite Hotel in Ottawa, Ontario, Canada.

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 *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.

Recent announcements in new strategies for space exploration from space agencies around the world and the advent of private efforts in this area present unique implications to both near and long-term plans for the search and utilization of space resources. This second joint meeting of the PTMSS and the SRR will provide a forum for discussion on the potential opportunities available for space resources research and technology development in this new environment.

The PTMSS and the SRR 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.



## Planetary & Terrestrial Mining Sciences Symposium and Space Resources Roundtable

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 produced from these analyses provide decision makers with technically sound recommendations for incorporating space resources into new exploration programs. To showcase hardware designed for space-resource applications there will be a half-day session on ISRU technology demonstrations.

### ***WHEN AND WHERE***

The second joint meeting of the PTMSS and the SRR will be held in the Albert at Bay Suite Hotel in Ottawa, Ontario, Canada. For location, directions, accommodations, travel, and other conference logistics, please visit the PTMSS website at: <http://www.ptmss.com>.

### ***ABSTRACTS***

Submit abstracts electronically using Adobe Acrobat PDF format (preferred) or Microsoft Word to: [http://www.ptmss.com/Abstract\\_Submissions.aspx](http://www.ptmss.com/Abstract_Submissions.aspx) 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 May 6th, to allow time for program organization. The Final Announcement, to be sent on May 24th, will include a schedule of talks and posters.

### ***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 presentation. 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 May 6th to Angel Abbud-Madrid at: [aabbudma@mines.edu](mailto:aabbudma@mines.edu)

### ***REGISTRATION FEE***

For all information on registration, please go to the PTMSS website: <http://www.ptmss.com/Registration.aspx> The deadline for pre-registration with discount is May 2. The registration includes a year's membership to the Space Resources Roundtable.