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## PTMSS

### Planetary & Terrestrial Mining Sciences Symposium

June 7, 8, 9 and 10, 2009

Radisson Admiral Toronto, Ontario, Canada

Plenary Sessions and Demonstration to be held at  
University of Toronto Institute for Aerospace Studies (UTIAS)

The purpose for this conference 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 focus of the conference will be solid planet sciences. Topics will be limited to the science and technology of exploring and exploiting resources on Earth as well as on other planetary bodies, such as the moon, Mars, asteroids, comets, etc.

#### Materials Science & Mining Symposium

The 5th Materials Science & Mining Symposium (MSMS) will be hosted in conjunction with the PTMSS this year. The MSMS Promotes collaboration between the mining and minerals industry and materials science research allowing industry access to cutting-edge materials science while fostering an understanding of technological needs in the mining/minerals industry.

[Click HERE for more information about the MSMS](#)

#### NOW ACCEPTING Abstract Submissions

Submissions are solicited from those involved in any aspect of space or terrestrial mining research, or development of technologies related to the three major themes.

Submissions may be abstracts, full papers with abbreviated abstracts, posters, or technology demonstrations.

Abstract Closing Date is May 15, 2009

Please submit in  
MS Word or PDF format to:  
[abstracts@ptmss.com](mailto:abstracts@ptmss.com)

### Three major themes will drive this conference.



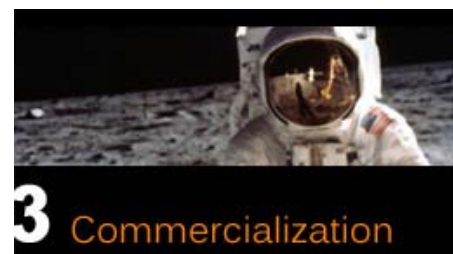
#### 1 Solid Planetology

This theme relates to the science and technologies of exploring the earth, its moon, other planets or planetary bodies for the purpose of conducting science OR establishing resource extraction potential.



#### 2 Resource Extraction & Utilization

This theme relates to the sciences and technologies involved with the extraction of valuable resources from the earth, its moon, and other planetary bodies for the purposes of greater understanding, economic activity, or logistics and support.



#### 3 Commercialization

This theme relates to the aspects of resource extraction within which economic activity can be realized.

This theme could include topics such as:

- Remote sensing
- Contact sensing
- Assay and analysis
- Search for life
- Search for new resources
- Resource definition and delineation
- Deep drilling
- Hazard mitigation

This theme could include topics such as:

- Rovers and rover payloads
- Navigation and guidance
- Regolith processing
- Mine planning
- Production planning
- Mining support and logistics
- Mining at depth
- Life support in a mine
- Ground support

This theme could include topics such as:

- Property rights
- Human habitat
- Funding processes
- Commercial missions in space
- Canadian Tax incentives
- Technology Diffusion opportunities
- Mine development
- Tourism