

Ground Breaking News



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Events

Mining and Environment IV Conference
October 19-26, 2007
Laurentian University, Sudbury

Employment Opportunities

CEMI's research activities are now moving into high gear. In addition to providing jobs for graduate students and post docs, CEMI is now looking for qualified professionals to guide research activities, mentor research staff, liaise with government and industry counterparts. Bookmark our website for more details on up coming job postings.

Mark Cutifani Appreciation

A final celebration was held on Thursday, September 6th for a man who greatly deserved the recognition, as friends in industry and the community gathered to toast Mark Cutifani at an appreciation event held for the former Chief Operating Officer at CVRD Inco. The event was hosted by the Centre for Excellence in Mining Innovation (CEMI) in appreciation for the leadership and strong support Mark had shown from the beginning in launching the multi-million dollar mining research initiative. It is just one of the many community, academic, and industry focused initiatives that Cutifani enthusiastically supported in his vision of how to make Sudbury a better place to live and work.



Mark Cutifani reflects on his time at CVRD Inco and Sudbury



Mark Cutifani receives a heart felt appreciation from special guest speaker the Honorable Rick Bartolucci

As Peter Kaiser, CEO of CEMI remarked, "the success of CEMI comes from the dedication and expertise of people like Mark. His work and influence will no doubt have a lasting impact on Sudbury."

The Cutifani Appreciation Event was followed by a Community Project Showcase that featured eight local projects from various (research) groups in the community: specifically the Mining Innovation Rehabilitation and Applied Research Corporation (MIRARCO) and Laurentian University. It was a great opportunity to update industry and the community on the status of many projects that directly impact industry and the community as they have come to fruition.

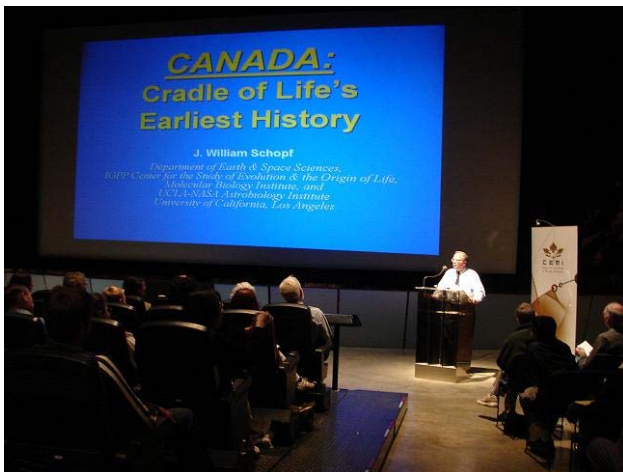


Lectures on Extraterrestrial Life

Selected scientists and students from around the world interested in the possibility of finding life on other planets meet in Sudbury, from September 18 to 20, for a workshop entitled *Biosignatures in Ancient Rocks*.

Two world renowned scientists attending the workshop gave free public lectures on Monday, September 17, 2007 in the Inco Cavern at Science North to a full house. **Dr. Bruce Runnegar**, former director of the NASA Astrobiology Institute (2003 to 2006), presentation on "Why astrobiologists study ancient rocks in Ontario and how such studies are relevant to NASA's search for life in the universe." **Dr. William Schopf** of UCLA presented a lecture entitled "CANADA: Cradle of Life's Earliest History."

The *Biosignatures in Ancient Rocks* workshop was sponsored by the NASA Astrobiology Institute (NAI), the Canadian Institute for Advanced Research (CIFAR), the Agouon Institute (AGI), the Ontario Geological Survey (OGS), Laurentian University lead by Dr. Balz Kamber, and the Centre for Excellence in Mining Innovation (CEMI). About 55 participants from around the world (USA, Canada, Japan, Australia, England, Denmark), including 16 leading scientists who are carrying out the most exciting research in astrobiology today, participated in the workshop.



Dr. William Schopf, presenting to the full house at the Science North

CEMI joins the CMIC

CEMI has been invited to join the Canadian Mining Innovation Council (CMIC). CMIC is a consortium of

industry, academic and government leaders whose purpose is to strengthen the competitiveness of a responsible Canadian mining industry by rebuilding mining research and excellence across Canada. Principal challenges are associated with increasing mining R&D, innovation and commercialization efforts. CEMI is among a number of members who will help to develop a strategy for Canada linking industry needs with public-private R&D capability.

Research Underway

CEMI has funded a series of start-up research projects to build R&D capacity at Laurentian University. CEMI is also developing projects with other R&D providers.



Exploration:

Collaborative Graduate Curriculum

Principal Investigator: MERC

Deep Mining:

Dynamic modeling and control of ventilation

Principal Investigator: Helen Shang

Hoisting system maintenance

Principal Investigator: Nick Vayenas

Short rounds using PCF concept

Principal Investigator: S. P. Singh

Deep Mine Insulation Study

Principal Investigator: Markus Timusk

Flexible Design Alternatives

Principal Investigator: Vassilios Kazakidis

Automation and Telerobotics:

Smart Rocks

Principal Investigator: Greg Baiden

Environmental and Sustainability:

Functionalized Nanoporous Absorbents for Dry-Scrubbing of Sulfur Dioxide in Smelter Emissions

Principal Investigator: Louis Mercier

Rehabilitation of Peatlands After Mining

Principal Investigator: Daniel Campbell

Undergraduate Research Internship Program

Principal Investigator: CIMMR

For more information on these projects and on how to join the CEMI research team, visit our NEW website at www.miningexcellence.ca