

## Centre for Excellence in Mining Innovation (CEMI)

### ***Laurentian University Mining Vision:***

“Laurentian University will become the national centre of excellence in mining innovation - education, research, technology, and commercialization - by energetically building on acknowledged strengths in mineral exploration, mining engineering, robotics, and environmental sciences.”

### ***Ontario Mineral Industry Cluster Council (OMICC)***

Created in November 2003 by the Ontario Government to capitalize on the benefits of a “cluster” approach to developing the mineral sector, OMICC leverages current mineral industry assets to create a large and more globally competitive cluster of mineral and related industrial organizations. The council brings together key stakeholders from Ontario’s mineral sector-related industries, organizations and government agencies. Additional information available online at: <http://www.omicc.ca/>

### ***Centre of Excellence in Mining Innovation (CEMI)***

“CEMI promotes a vision for Sudbury to become an international centre for world-class, industry-driven research, advancing state-of-the-art concepts, processes and methodologies in support of the regional, national and international exploration and mining industries, and providers of mining services and supplies.” Available online at: <http://www.omicc.ca/Presentations/June2005/CEMI.pdf>

*(source: Integrated Business Plan for CEMI, presented to the Ontario Mineral Industry Cluster Council, May 2005; prepared by Louise Paquette and John Gammon, then co-chairs of the Mining Innovation and Telerobotics Working Group)*

CEMI’s proposed five (5) key research sectors:

- exploration
- telerobotics
- integrated mine process engineering
- deep mining
- environment and reclamation

### ***CEMI in the City of Greater Sudbury:***

Sudbury is considered as the perfect location for CEMI since this city, a major mining camp that has generated over \$150 billion in new wealth, is home to major mining companies such as Inco Limited, Falconbridge Limited, FNX Mining Company Inc., Wallbridge Mining Company Limited and First Nickel Inc.. Sudbury is also home to more than 300 mining supply and services companies, the Ministry of Northern Development and Mines, the Ontario Geological Survey, Laurentian University, Cambrian College, NORCAT, Collège Boréal, CANMET and CAMIRO.

At its January 11, 2006 regular meeting, City of Greater Sudbury council unanimously passed a motion in support of CEMI, and allocated \$50,000 over three years to the project.

## ***CEMI at Laurentian University:***

Laurentian University is an acknowledged leader in mining education and research across Canada. The University is already home to nine mining research centres, and seven mining-related graduate programs at the master's and PhD levels, as well as seven Canada Research Chairs, three of which have links to mining and exploration research.

These existing research and teaching activities reflect Laurentian's uniqueness among Canadian universities in being located in the heart of an active mining camp and in embracing mining as an important part of its strategic plan.

Since announcing the launch of CEMI at Laurentian in December 2005, a five-year CEMI operating plan has been developed. This plan envisages a total research budget of \$30 million over the next five years, and details eight specific teaching and research projects. The operating plan contains an analysis of budgets, potential funding partners from industry, the federal and provincial governments, and results to be achieved. The Ontario government committed \$10 million to CEMI in its 2006-2007 budget. In March 2006, Inco Limited announced it was investing \$5 million in the project. With these two funding announcements, totaling \$15 million, CEMI is well on its way to being able to implement this vision.

### ***CEMI Interim Advisory Board – Membership to date (Thursday, March 30, 2006)***

Dale Andres	General Manager, Underground Operations, Teck Cominco Ltd.
Sylvia Barnard	President, Cambrian College
Dave Courtemanche	Mayor, City of Greater Sudbury
Mark Cutifani	President, North America/Europe, Inco Limited
Harley d'Entremont	Vice-President, Academic (Francophone Affairs), Laurentian University
Jonathan Fowler	Vice President Aboriginal & Environmental Affairs, DeBeers Canada
John Gammon	Director, Mining Initiatives, Laurentian University
Allen Hayward	Vice-president, Mining, Falconbridge Limited
Suzanne Herbert	Deputy Minister, Ontario Ministry of Northern Development and Mines
Chris Hodgson	President, Ontario Mining Association
Irwin J. Itzkovitch	Assistant Deputy Minister, Earth Sciences Sector, Natural Resources Canada
Christine Kaszycki	Assistant Deputy Minister, Mines and Minerals, Ontario Ministry of Northern Development and Mines
Terry MacGibbon	President and CEO, FNX Mining Company Inc.
Louise Paquette	Director General, FedNor, Industry Canada
Nick Sheard	Vice-president, Exploration, Inco Limited
Liette Vasseur	Associate Vice-President, Research, Laurentian University
Deming Whitman	Chief Executive Officer, AMIRA International Limited
Judith Woodsworth	President, Laurentian University

**For more information, please contact John Gammon, Director, Mining Initiatives at Laurentian University, by calling Director (705) 675-1151, ext. 2197 or via email at [jgammon@laurentian.ca](mailto:jgammon@laurentian.ca).**