

Press Release

FOR IMMEDIATE RELEASE

MIRARCO and Laurentian University discovering how geologists 'think' in 3D

Sudbury, ON, June 16, 2008 –The Human-Computer Interaction (HCI) Research Group at Laurentian University is pleased to announce that the Mining Innovation, Rehabilitation and Applied Research Corporation (MIRARCO) has invested over \$30,000 in a collaborative multidisciplinary research project to be investigated by a Laurentian University master's student.

This important contribution will help Mathew Hunter, master's student in biology, investigate the neurophysiological processing associated with 3-D stereoscopic imaging and how it is applied to the geology sector. Included in MIRARCO's contribution to the research project is the purchase of an electroencephalogram (EEG), undergraduate student assistance, as well as direct technical support in the Virtual Reality Lab.

Dr. Ratvinder Singh Grewal, HCI Research Group founder and director, and assistant professor in the department of mathematics and computer science at Laurentian University, will co-supervise the master's student's work. "We are looking forward to working with MIRARCO on this research project. By contributing to this research, MIRARCO is helping the HCI Research Group and a graduate student generate innovative solutions for industry and the real world. We are grateful for this generous support."

Since 2001, MIRARCO has developed the skills and technology to meet the niche data integration, interpretation and visualization needs of the natural resources industry.

The HCI Research Group is a team of professors, graduate and undergraduate students of various disciplines joining forces to investigate the issues surrounding the cognitive workload associated with user interfaces. They use neurophysiological measurements of cognitive processing recorded with an EEG to evaluate and aid in the design of user interfaces.

For more information, please contact Dr. Ratvinder Singh Grewal at (705) 675-1151, ext. 2351 or rsgrewal@cs.laurentian.ca, or Andrew Dasys from MIRARCO on ext. 6613 or adasys@objectivity.ca.