

Geomechanics, Instrumentation, Ground Control, Numerical Modeling

Expertise Geomechanics, Instrumentation, Ground Control, Numerical Modeling, Drilling & Blasting, Database Development, Computer Programming

Education M.A.Sc. (Geomechanics, Civil Engineering)
University of Toronto, Canada, 2002
B.A.Sc. (Geomechanics, Lassonde Mineral Engineering Programme)
University of Toronto, Canada, 2000

Registrations Registered Professional Engineer, Province of Ontario (PEO), Canada

Professional Affiliations Member: Professional Engineers Ontario; Canadian Institute of Mining, Metallurgy and Petroleum (CIM); CIM Toronto Branch; Canadian Geotechnical Society (CGS)

Professional Experience

2003 – Present *Itasca Consulting Canada Inc., Sudbury, Ontario, Canada*
Geomechanics Engineer

2002 - 2003 *Morton & Partners Limited, Georgetown, Ontario, Canada*
Geomechanics Engineer

1997 *Gold Pool JV Limited, Aksu Mine, Astana Region, Kazakhstan*
Technical Assistant (summer)

Languages Completely fluent in English and Russian.

Project Experience

Geomechanics, Numerical Modeling and Ground Control: Ground support design; ground support inspections; slope stability evaluations and modeling; 3DEC and FLAC numerical modeling; surface and underground stability analyses; solid modeling of underground infrastructure; drill core analyses and oriented core logging.

Instrumentation: Design, assembly and troubleshooting of datalogging systems; installation and troubleshooting of geotechnical instruments; data interpretation; design and building of custom transducers; in-situ stress measurements using the overcoring technique; design and implementation of TDR systems.

Drilling and Blasting: Drilling and loading monitoring; post-blast evaluations and damage assessments; overbreak / underbreak and wall smoothness analyses; explosive performance evaluations.