

Structural Characterization, Fault Pattern Modeling, Target Generation

Expertise	Structural Mapping and Characterization of Rock Masses, Fault Modeling, Structural Controls of Ore Deposits
Education	Ph. D. (Structural Geology) 1994, University of Saskatchewan, Canada External program at Queen's University, Kingston, Canada B.Sc. (Geology), 1984, University of Saskatchewan, Canada B.A. (Philosophy), 1978, University of Toronto, Canada
Registration	Registered Professional Geologist, Association of Professional Geologists of Ontario
Professional Affiliations	Member: Canadian Institute of Mining Metallurgy and Petroleum (CIM); Geological Society of America, International Association of Structural and Tectonic Geologists,
Honors	1992 Wolfgang Struderau Medal, Saskatchewan Geological Society
Professional Experience	
2008 - Present	<i>Itasca Consulting Canada Inc., Sudbury, Canada, Senior Structural Geologist</i>
2002 - 2008	<i>FNX Mining Co. Inc., Sudbury, Canada Structural Geologist (2002-04), Chief Mine Geologist (2005-08)</i>
1994-2002	<i>Falconbridge Ltd., Sudbury, Canada Structural Geologist</i>
1995 – Present	<i>Laurentian University, Department of Earth Sciences Adjunct Professor</i>
1985 -1987	<i>Granges Inc., Flin Flon, Canada</i>
Summers 1988-1990	<i>Project Geologist</i>

Project Experience

Structural Characterization: Advanced skills in recognition and interpretation of structural features and patterns in underground and open-pit mines, drill core and outcrop.

Designed, developed and executed 28 structural mapping projects at mine sites and exploration projects in a wide variety of structural settings and terrains. Mineral deposit experience includes Ni-Cu-PGE systems, Cu vein and stockwork systems, Shear zone hosted Gold, Laterite-Nickel, Cu Porphyry, VMS Cu-Zn-Au-Ag, and Unconformity Uranium deposits.

Data Acquisition and Modeling Skills: Detailed structural field mapping with ArcGIS Acrcpad incorporating precision survey instrumentation. Datamine modeling and visualization of fault and vein systems fit to drill-hole intercept formation. 3D stereophotogrammetric structural analysis using Shape Metrix3D™ on open pit walls and underground openings. Geomechanical modeling experience with 3DEC, UDEC and F LAC codes.

Geophysical Methods: Interpretation of structures from airborne magnetics and conductivity data, Radio Imaging Method (RIM), Vertical Seismic Profiling (VSP), Insight IP, GDD Conductivity Probe, and Ground Penetrating Radar.

Contact Information

John Fedorowich, Ph.D., P.Geo.
Senior Structural Geologist
Itasca Consulting Canada Inc.
166 Douglas Street
Sudbury, Ontario P3E 1G1
Canada
tel.: 1.705.522.2697
fax.: 1.705.522.6564
e-mail: jfedorowich@itasca.ca
url: www.itasca.ca