

Rock Mechanics

Expertise	Rock Mechanics, Geohydrology
Education	Ph.D. (Engineering Geology), 1995 Royal Institute of Technology, Stockholm, Sweden Tech. Lic. (Rock Mechanics), 1988 M.Sc. (Mining Engineering), 1985 Luleå University of Technology, Sweden
Professional Affiliations	Member: International Society for Rock Mechanics, Swedish Association for Engineering Geology (BGS)

Professional Experience

1999 - Present	<i>Itasca Geomekanik AB, Stockholm, Sweden, Managing Director</i>
1995 - 1998	<i>Itasca Geomekanik AB, Stockholm, Sweden, Senior Consultant</i>
1992 - 1995	<i>Royal Institute of Technology, Division of Engineering Geology Stockholm, Sweden, Research Assistant</i>
1990 - 1991	<i>Vattenfall HydroPower AB, Ludvika, Sweden, Consulting Engineer</i>
1985 - 1988	<i>Luleå University of Technology, Division of Rock Mechanics, Sweden Research Assistant</i>
1984	<i>VIKA AB, Falun, Sweden, Consulting Engineer</i>

Project Experience

Laboratory and Field Research: Development of experimental techniques for characterization of hydromechanical properties of natural rock fractures, especially casting and image-analysis techniques for measurements of fracture apertures. Geostatistical analyses of fracture data to enable description of the spatial distribution of apertures.

Geotechnical Consulting Related to Waste Isolation: Numerical modeling of thermo-mechanical effects around a nuclear-waste repository. Risk-analysis investigation concerning mercury storage in old mine. Tunnel wall mapping, probe drilling and shotcrete testing at SFR.

Geotechnical Consulting Related to Civil Engineering: Numerical modeling of a refrigerated LRC storage. Stability analyses of concrete and embankment dams. Calculation of seepage below dams. Investigation of leakage problems through embankment dams and uplift effects below concrete dams. Investigations related to sealing and grouting of dams and dam foundations in rock.