

**Rock Mechanics and Rock Engineering: Structures on and in rock masses**  
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Derek MARTIN



Derek Martin, Professor at the University of Alberta, has over 30 years of experience in the design and construction of surface and underground rock excavations. His many publications are recognized as forming important contributions to our state of knowledge by clarifying the failure processes of rock masses. This important body of work has led directly to improvements in underground rock excavations. Professor Martin led geomechanics research at AECL's URL for over 8 years and then was instrumental in establishing the Geomechanics Research Centre at Laurentian University.

Dr. Derek Martin is an internationally renowned expert in geotechnical engineering and directs and coordinates CaRRL research activities. Dr. Martin and his team of experts from the University of Alberta work directly with geotechnical engineers from CN, CP, National Research Council Canada, Transport Canada and Transportation Technology Centre Inc., encouraging the transfer and implementation of technology into industrial practice.

His current research includes **ground hazards, risk and GIS related to infrastructure**. **Dr. Martin and his group have also a deep understanding on repository geomechanics, where he** has conducted numerical work that has led to new promising developments in the predictive modelling of this geomechanics process. He also studies the prediction of groundwater flow around tunnels or wells in a fractured media.

