Rock Engineering

Expertise Rock Mechanics, Geotechnical Engineering

Education

Ph.D. (Engineering Geology), 2007
MSc, Environmental Engineering, 2004
Royal Institute of Technology (KTH), Stockholm, Sweden

MPhil, Concrete and Structural Engineering, 2002
BSc (Hons), Civil Engineering, 1999
University of Moratuwa, Sri Lanka

Professional Experience

2008 - Present	*Itasca Geomekanik AB, Stockholm, Sweden, Geomechanical Engineer*
2004 - 2007	*Royal Institute of Technology, Stockholm, Sweden, Environmental Data (GIS-based applications using ArcGIS and Idrisi, Ph.D. student/Teaching Assistant*
2002 - 2003	*University of Moratuwa, Institute of Technology, Sri Lanka, Lecturer*
1999 - 2002	*University of Moratuwa, Sri Lanka, Research Assistant*

Project Experience

Modeling of two-dimensional and three-dimensional porous materials with emphasis on prediction of the mechanical properties of rocks.

Cement Science, concrete technology and binder technology, with emphasis on cement combinations with fly ash.

Image-analysis GIS: finding lineaments and related ground properties, and developing software components especially for ground modeling.