Curriculum Vitae

Robert Paul Bewick
Senior Rock Mechanics Engineer
Golder Associates Ltd.

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Suite 100, Sudbury
Ontario, Canada P3C 4Y1

Education

2013
PhD – Civil Engineering – University of Toronto, Canada

2008
M.A.Sc. – Mineral Resource Engineering – Laurentian University, Canada

2005
B.Eng. – Mining Engineering – Laurentian University, Canada

Employment

2013 to Current – Senior Rock Mechanics Engineer
Golder Associates Ltd.

2010 to 2013 – Program Coordinator, the Rio Tinto Centre for Underground Mine Construction at CEMI and Ph.D. Candidate

Centre for Excellence in Mining Innovation (CEMI) and the University of Toronto

2005 to 2010 – Rock Mechanics Engineer
Golder Associates Ltd

About Me

Nationality: Canadian

Place of Birth: Oxford Township, Ontario, Canada

Date of Birth: August 7, 1981

Experience: 10 years rock mechanics consulting

Professional Affiliations: P.Eng. (Ontario), ISRM Member, CARMA member, CIM Member

Recent Publications

Bewick RP, Amann F, Kaiser PK, Martin CD (2015) The Role of UCS Test Results in Engineering Design. 2015 ISRM Congress, Montreal.

Bewick RP, Kaiser PK, Bawden WF (2014) Shear rupture under constant normal stiffness boundary conditions. Tectonophysics. DOI: 10.1016/j.tecto.2014.07.016.

Bewick RP, Kaiser PK (2013) Discussion on "An Empirical Failure Criterion for Intact Rocks" by Peng et al. (2013). Rock Mechanics and Rock Engineering. DOI 10.1007/s00603-013-0514-4.

Biography

Dr. Rob Bewick consults at both the national and international level and is the lead rock mechanics engineer in Golder's Sudbury Office. Rob is responsible for the technical aspects of projects, business development, and the mentoring of personnel in several of Golder's North American offices. Rob has extensive experience in deep and shallow underground hard rock environments. His primary underground experience is complemented by crown pillar and large open pit slope site characterization and design. For the last four years Rob has been involved in rock mechanics innovations for block caving and is currently leading Golder's preferred consultancy with PT Freeport Indonesia's Grasberg Operations which is one of the largest copper-gold mines in the world.

Selected Experience

Rockbursting: Conducted rockburst reviews in Canada, Sweden, Brazil, Australia, and Indonesia.

Underground Mining: Engineering underground rock mechanics consulting lead for the world's largest gold mine, PT Freeport Indonesia's Grasberg Operations. Scoping to feasibility level designs for both shallow and deep mines approaching 3000 m depth and operational consulting for shallow and deep mines approaching 3000 m depth.

Open Pit Mining: Creation and management of rock slope engineering departments, design of scoping to feasibility level open pits with up to 600 m high slopes, rock slope engineering for open pit mining through underground voids.

Research: Management of a multi-million dollar research program over three years related to overcoming specific challenges in block caving. Technical responsibility on selected projects. Delivery responsibility to the Director for the program. Coordination of over 10 sub-contractors. Other research experience in geomechanics has involved development of characterization guidelines for veined rock masses and ground support design in block cave extraction levels.