



## ICREMER & Leading Program Joint Seminar 2018

ICREMER & Leading Program joint seminar will be held on 11th and 18th of April, 2018. The contents which will be presented in seminar are follows;

1. Introduction of Mine Planning (Prof. Emmanuel Chanda)
2. Design of Slopes, Drilling and Blasting Operation (Dr. Abbas Taheri)  
(How Uncertainties and Discontinuities may cause)

### Invited Lecturers

#### Prof. Emmanuel Chanda



Professor Emmanuel Chanda has more than 30 years experience in mining, academic research, teaching and administration, and in consulting to the minerals industry. His research interests include operations research modelling and optimization in mining; development of new generation mine haulage systems and novel mining techniques. Much of the recent work has been focussed of improving performance of mining systems by reducing energy intensity and emissions and maximising productivity. He has consulted extensively in mining engineering to the mining industry and governments in Africa and Australia and international organisations. Consultancies include mining techniques and mine design, mine planning and feasibility studies, project development, due diligence and expert witness. Emmanuel has published several technical papers and parts of books in the fields of mine planning and design, operations research, equipment selection, mining methods, mine haulage, mineral economics and engineering education.

Prior to joining the University of Adelaide in 2008, Emmanuel worked for Curtin University of Technology, Western Australian School of Mines, as Associate Professor and Head of the Mining Engineering Department. Prior to joining the Curtin University of Technology in 1998 he worked for then Zambia Consolidated Copper Mines Limited where he held various positions including that of Mine Planning Superintendent.

#### Employment

2009- Assoc. Professor of Mining Engineering and Program Leader- Mining Education Australia, School of Civil, Environmental & Mining Engineering, University of Adelaide.  
2006-2008 Assoc. Professor & Head, Department of Mining Engineering, Curtin University of Technology, Western Australian School of Mines.  
1998-2005 Senior Lecturer, Department of Mining Engineering, Curtin University of Technology.  
1993-1998 Superintendent-Mine Planning, Zambia Consolidated Copper Mines Limited, Kitwe, Zambia.  
1993-1993 Senior Lecturer, The University of Zambia, School of Mines, Lusaka  
1988-1993 Research Fellow, Institute of Mining Engineering, Technical University of Berlin, Germany  
1987-1988 Mining Engineer, MINDECO Small Mines, Limited, Lusaka, Zambia.  
1986-1987 Lecturer, The University of Zambia, School of Mines, Lusaka, Zambia.  
1984-1986 Graduate Student, Colorado School of Mines, Golden, USA.  
1983-1984 Assistant Mining Engineer, Zambia Consolidated Copper Mines Limited, Nchanga Division; Staff Development Fellow, University of Zambia, School of Mines.  
1981 -1981 Trainee underground miner, Boliden Mineral AB, Kristenberg, Sweden.

## Dr. Abbas Taheri



Dr Abbas Taheri has over 16 years of industry, research and teaching experience in the field of mining engineering, rock mechanics and geotechnical engineering. Dr Taheri earned a Ph.D. in geotechnical engineering from Yokohama National University, Japan in 2008. His PhD research project has internationally acknowledged as an outstanding research work and has been awarded a runner up certificate (Proxime Accessit) of "ISRM Rocha Medal 2010" from International Society of Rock Mechanics (ISRM). In 2008 he awarded a postdoctoral fellowship from Japan Society for the Promotion of Science (JSPS) and appointed as a postdoc researcher at Tokyo University of Science. In 2011 he jointed the University of Adelaide.

Dr Taheri's research interest is in the area of rock and soil material testing, modelling and characterization and also stability analysis of surface and underground excavations and exploration boreholes. He has developed an in-situ triaxial compression test method and successfully measured stress-strain relations of rock mass in deep ground for the first time in the world. He has performed extensive researches to measure and simulate geomaterial properties. He has developed and verified a new rock mass classification system (SSR system). This innovative method enabled engineers to design large-scale rock slopes with a rating system without using sophisticated design software. He has undertaken/is currently undertaking several research projects related to borehole stability, geomaterial properties in shallow and deep ground and soil improvement methods which the outcomes will provide the tools for more efficient, safer deep rock mining and improve the stability of geotechnical structures.

## Date and Time

1<sup>st</sup> Seminar: 11<sup>th</sup>/April/2018 2.30pm-5.30pm

2<sup>nd</sup> Seminar: 18<sup>th</sup>/April/2018 2.30pm-5.30pm