

Conférence Jean Mandel 2018

Le Comité Français de Mécanique des Roches

Vous annonce que la Conférence Jean Mandel 2018

Sera présentée par le Dr Charlie Lie (NTNU)

Et s'intitulera

« Fracture Patterns of Hard Rock - On-site Observations and Mechanics »

Elle sera tenue le jeudi 6 décembre après-midi au CNAM durant la traditionnelle Sainte Barbe du CFMR*



Professor Charlie Li

Dr. Charlie Li is a professor of rock mechanics in the Norwegian University of Science and Technology (NTNU), Norway. He received his BEng and MEng in geological engineering in China, and his PhD in mining rock mechanics in Sweden. Before he started his current position at NTNU, he worked as a research associate / associate professor at Luleå University of Technology, Sweden, as a ground control engineer in Boliden Mineral, Sweden, and as the CTO of Dynamic Rock Support AS, Norway. Dr. Li has more than 30 years' experience in rock mechanics and ground control for mining and civil engineering. His major research interests are in rock failure, stability of rock mass, rock support and in-situ measurements. He is much engaged in studies on the theory and practice of rock support under high stress rock conditions in the recent years. He invented an energy-absorbing rock bolt - the D-Bolt that is now world widely used to cope with stress-induced instability problems in deep mines. He published his book "Rockbolting – Principles and Applications" in 2017. Dr. Li is a member of the Norwegian Academy of Technological Sciences. He is at present the Vice President for Europe in the International Society for Rock Mechanics (ISRM).

Résumé de la conférence : It is often observed that hard rock fails in spalling and slabbing rather than in shear, but shear failure occurs too in hard rock in some cases. The lecture will first present the fracture patterns of hard rock observed in a number of underground openings in deep mines and tunnels. The relationship between spalling/slabbing and shear failure is then explored based on the field observations. Some thoughts on the mechanics of spalling / slabbing as well as the transition from extension and shear failure will be talked about.

*La salle et l'horaire précis seront annoncés ultérieurement. Vous pouvez retrouver les annonces du CFMR sur notre site (<https://www.cfmr-roches.org>) ou suivre le CFMR sur LinkedIn (<https://www.linkedin.com/company/cfmr/>)