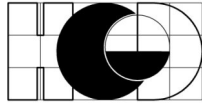




ISRM

International Society for Rock Mechanics



Hrvatsko geotehničko društvo  
Croatian Geotechnical Society

**ISRM Workshop**  
**Rock Mechanics and Rock Engineering**  
Theoretical advances, investigation techniques, design  
March 03, 2016  
Zagreb, Croatia

*Venue: University of Zagreb, Faculty of Mining, Geology and Petroleum Engineering  
Pierottijeva 6, Zagreb, Croatia*

Time	Lecture
08:00-09:00	Registration
09:00-09:15	Opening ceremony
<b>Rock mass/rock joints parameters relevant for designing</b>	
09:15-09:30	<b>Eda Freitas de Quadros, BRAZIL</b> Hydraulic properties of rock masses - a short review.
09:30-10:45	<b>Vladimir Andelković, SERBIA</b> Modelling of shear characteristics at the concrete - rock mass interface.
10:45-10:00	<b>Predrag Mišćević, CROATIA</b> Some experience with soft rocks in Croatia.
10:00-10:15	<b>Ildikó Buocz, HUNGARY</b> Laboratory determination of shear strength along rock joints; the behavior of Opalinus Claystone under constant normal loading.
10:15-10:30	<b>Ákos Török, HUNGARY</b> A Direct shear strength experiments along the discontinuities of Boda Claystone, the host rock of high-level radioactive waste, in Hungary.
10:30-10:45	<b>Discussion</b>
10:45-11:15	<b>Coffee Break</b>
<b>Critical review of laboratory and field tests</b>	
<b>In situ stress measurements</b>	
<b>Back analysis in rock engineering</b>	
11:15-11:45	<b>Nick Barton, U.K.</b> Will we agree on the testing and modelling of the shear strength of rock masses in the next 50 years?
11:45-12:00	<b>Nataša Štambuk Cvitanović, CROATIA</b> Influence of specimen shape deviations on mechanical properties of limestone and similar rock.

12:00-12:15	<b>Petr Konicek, CZECH REPUBLIC</b> In situ stress and its changes measurement in coal mining.
12:15-12:30	<b>Larisa A. Nazarova, RUSSIA</b> Application of inverse problems in mining.
12:30-12:45	<b>Vojkan Jovičić, SLOVENIA</b> Use of back analyses in tunnel construction on the example of tunnel Suhodol.
12:45-13:00	<b>Discussion</b>
13:00-14:15	<b>Lunch</b>
<b>Rock engineering in Eurocode 7</b> <b>Design methodology in rock engineering</b> <b>Rock mechanics for mining and petroleum engineering</b>	
14:15-14:30	<b>Luís Lamas, PORTUGAL</b> Rock engineering and the Eurocode 7: main issues and the current process of revision.
14:30-14:45	<b>Charlie Chunlin Li, NORWAY/SWEDEN,</b> Advances in underground rock support with focus on support elements and design principles.
14:45-15:00	<b>William Joughin, SOUTH AFRICA</b> Risk based design of ground support.
15:00-15:15	<b>Srdan Kostić, SERBIA</b> Application of statistical design for estimation of rock slope stability.
15:15-15:30	<b>Sergio A.B. da Fontoura, BRAZIL</b> The contributions of rock mechanics to petroleum engineering.
15:30-15:45	<b>Seokwon Jeon, KOREA</b> Assessment of subsidence hazard in abandoned mine areas.
15:45-16:00	<b>Discussion</b>
16:00-16:30	<b>Coffee Break</b>
<b>Damages caused by natural phenomena</b> <b>Case histories</b>	
16:30-16:45	<b>Norikazu Shimizu, JAPAN</b> Displacement monitoring approach using satellite technologies for risk management of natural disasters and maintenance of infrastructures.
16:45-17:00	<b>Stuart Read, NEW ZEALAND</b> Foundation leakage at Arapuni Dam, New Zealand - investigation and implementation of remediation measures.
17:00-17:15	<b>Manchao He, CHINA</b> A new method for landslide prediction based on sliding force monitoring system.
17:15-17:30	<b>Doug Stead, CANADA</b> Characterising brittle fracture in large landslides.
17:30-17:45	<b>Jacopo Abbruzzese, SWITZERLAND</b> An approach for evaluating the effects of protection measures on rock fall hazard zoning for land use planning.
17:45-18:00	<b>Sabid Zekan, BOSNIA AND HERZEGOVINA</b> Sliding causes and triggering mechanisms at the Bogatići landslide.
18:00-18:15	<b>Discussion</b>
18:15-18:30	<b>Closing ceremony</b>