

Vietrock2015 Overall Program  
International Symposium  
Vietrock2015 an ISRM specialized conference

12-13 March, 2015

	Time		Room Main Hall in 1st Floor	Room Hall in 2nd Floor	
	From	To			
Thursday	12-Mar-15	7:45	8:15	Registration	
		8:15	8:45	Opening Ceremony	
				Keynote Lectures	
				Chairpersons	Phung Manh Dac + Tran Tuan Anh
		8:45	9:15	S012	Rock Displacement Monitoring using Satellite Technologies GPS and InSAR
		9:15	9:45	S013	Understanding and utilizing in-situ rock stresses in design and building of underground caverns and tunnels
		9:45	10:15	Tea Break + Group Photo	
				Session 03	Special session on 'Development on underground hydrocarbon storage'
				Chairpersons	Eui-Seob Park (KIGAM) + Ki-Bok Min (SNU)
		10:15	10:30	S031	The Status of Underground Petroleum Stockpiling Businesses and the New Construction Project in Korea
		10:30	10:45	S032	Underground Storage Project underneath an Artificial Island
		10:45	11:00	S033	Rock Mechanics for the stability of underground oil and gas storage caverns - Mechanical and hydrological aspect
		11:00	11:15	S034	Safety Monitoring of Underground Oil Storage Facilities using AE and MS Technique
		11:15	11:30	S035	Compressed air energy storage in a lined rock cavern
		11:30	11:45	S036	Construction Case of Underground Storage Cavern In India
		11:45	12:00	S037	Lessons on the Hydrodynamic Containment Design and Construction of Oil Storage Cavern
		12:00	12:15	S038	In-situ Volume Change Monitoring for Deep Underlay Strata with Fiber Optical Technology
		12:15	13:15	Luncheon	
				Session 04	Rock properties and testing methods
				Chairpersons	Xia- Ting Feng+ Vu Cao Minh
		13:30	13:45	S041	Definition of Rock Mass Properties by In Situ tests
		13:45	14:00	S042	Geomechanical properties determination based on data obtained from in-seam boreholes logging
		14:00	14:15	S043	Estimation of Fracture Toughness of Sandstone by Three Testing Methods
		14:15	14:30	S044	Upgrading the rock mechanics laboratory at the Nanyang Technological University, Singapore
		14:30	14:45	S045	Consolidation of Crushed Salt backfill for Salt and Potash Mines
		14:45	15:00	S046	Effects of Stress Path on Polyaxial Strengths of Maha Sarakham Salt
		15:00	15:30	Tea Break	
				Session 04	Rock properties and testing methods
				Chairpersons	Norikazu Shimizu + Nguyen Quoc Dung
		15:30	15:45	S047	Experimental Assessment of Mechanical and Hydraulic Performance of Cement Sealing in Rock Salt
15:45	16:00	S048	Shear Strength Testing under Constant Normal Load and Constant Normal Stiffness as Affected by Displacement Rates		
16:00	16:15	S049	Strengths of Rock Fractures as Affected by Shear Velocities and Confinements		
16:15	16:30	S0410	Determination of the shear strength parameter of some rock types modeled by transversal anisotropic body		
16:30	16:45	S0411	Identify Driving Force to Cause Rockmass Destruction from Fracture Distributions		
16:45	17:00	S0412	Some opinions about TCVN 7572-10:2006 " Method fordetermination of strength and softening coefficient of the original stone"		
17:30	19:30	Welcome Reception			
19:30	21:30	Night Tour in Hanoi Old Center			
Friday	13-Mar-15			Keynote Lectures	
				Chairpersons	Tran Tu Ba + Bui Xuan Nam
		8:30	9:00	S014	Some New Insights of Rock Failure under Dynamic Loading
		9:00	9:30	S015	Experimental and Numerical Anisotropic Rock Mechanics
		9:30	10:00	S016	In-situ rock stress and tunnel stability
		10:00	10:30	S017	Analysis on geological condition of rock mass with Hoek-Brown strength criterion
		10:30	11:00	Tea Break	
				Session 07	Rock foundation and Rock dynamics;
				Chairpersons	Yuzo OBARA + Bui Xuan Nam
		11:00	11:15	S071	Fundamental Study of Effect of Waste Rock Condition on Control of Acid Mine Drainage at Open Pit Coal Mine in Tropical Regions
		11:15	11:30	S072	Geotechnical Issues on Application of Highwall Mining System in Indonesia
		11:30	11:45	S073	The Effectiveness assessment of On-Site Visualization and the application of various type of OSV on Hanoi Metro Line 2
		11:45	12:00	S074	In-Situ Rock Testing for the Design of the Lai Chau RCC Dam
		12:00	13:00	Luncheon	
				Session 07	Rock foundation and Rock dynamics;
		Chairpersons	Eivind Grøv+ Vo Chi My		
13:30	13:45	S075	Study on High Pressure Impact Extrusionof the Foundation Curtain Deflection Core Fracture Zone of the Sluicing Dam Section		
		Session 05	Tunnel and underground construction;		
		Chairpersons	Ying xin Zhou + Do Nhu Trang		
		S051	Rock engineering service for unlined hydropower tunnels in Vietnam		
		S052	Application of Continuous Maintenance Method for Aging Underground Powerhouse		
		S053	Blasting in a Rail Protection Zone in Singapore		
		S054	Analysis of microtunnelling using process simulation module		
		S055	Research on determination of optimal distance between two unsupported tunnels when consideration to shape changes		
		Session 02	Geohazard – (Landslide and Debris Flows) + Rock slope Stability		
		Chairpersons	Zhu Hehua +T ran Tuan Anh		
		S021	Delineate Structural Boundary from Fracture Correlation Coefficients		
		S022	Landslide susceptibility zonation - A comparison of natural and cut slopes using statistical models		
		S023	Formation and development of debris flows in Vietnam		
		S024	The development excavation in Vietnam underground coal mine for period 2014 – 2020: the existing state and the solutions		
		S025	Large-scale field tests with flexible slope stabilization systems		
		S026	Application of photogrammetry in measuring geologic structures and creating a 3D model on exposed rock faces		
		Session 08	Rock properties: numerical simulations;		
		Chairpersons	Seokwon Jeon + Tran Thi Hang		
		S081	Multiple Yield Model in Anisotropic Rock for Underground Cavern		
		S082	Some Research Activities on Rock Mechanics/Engineering at Nanyang Technological University, Singapore		
		S083	Analysis on horizontal bearing capacity based on catastrophe theory of anti-slide micropiles		
		S084	Automatic Rock Mass Discontinuities Detection Based on Binocular 3-D Reconstruction		
		Session 08	Rock properties: numerical simulations;		
		Chairpersons	Seokwon Jeon + Tran Thi Hang		
		S085	Construction mechanical characteristics of shallow buried large span tunnel		

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		13:45	14:00	S076	The use of the exponential function to predict surface subsidence due to underground mining	S086	Investigation of Failure Mechanism and Process on Excavation Disturbed Zone (EDZ) of Underground engineering in Rock	
		14:00	14:15	S077	Some solution handle swelling foundation when construction miningunderground in conditions Quang Ninh geology	S087	The oretical analysis of deformation above roadways excavated in thincoal seam and rock stratification	
		14:15	14:30	S078	Building a subsidence prediction module and applying for Nam Deo Naiwaste dump			
		14:30	15:00	Closing Ceremony				
		18:00	21:00	Banquet				
Saturday	14-Mar-15	Tour Halong Bay						
		7:30	11:30	Road trip by cars to Halong Bay				
		11:30	16:30	Lunch on the boat & sightseeing Halong Bay when the boat is cruisesing				
		16:30	20:30	Taking car back Hanoi.				
		20:30	21:30	Dinner				