

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	7:45	8:15	Registration		
	8:15	8:45	Opening Ceremony		
			Keynote Lectures		
			Chairpersons Phung Manh Dac + Vo Chi My		
	8:45	9:15	S012	Norikazu Shimizu	
			S012 Rock Displacement Monitoring using Satellite Technologies GPS and InSAR		
	9:15	9:45	S017	Qi Zhang, XianbinHuang, HehuaZhu, LianyangZhang	
			S017 Analysis on geological condition of rock mass with Hoek-Brown strength criterion		
	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	WONWOO PARK	
			S031 The Status of Underground Petroleum Stockpiling Businesses and the New Construction Project in Korea		
	10:30	10:45	S032	Seokwon Jeon, and Chung-In Lee	
			S032 Underground Storage Project underneath an Artificial Island		
	10:45	11:00	S033	Chung-In Lee, Seokwon Jeon, Jae-Joon Song and Youn-Kyou Lee	
			S033 Rock Mechanics for the stability of underground oil and gas storage caverns - Mechanical and hydrological aspect		
	11:00	11:15	S034	Eui-Seob Park, Dae-Sung Cheon, Yong-Bok Jung	
			S034 Safety Monitoring of Underground Oil Storage Facilities using AE and MS Technique		
	11:15	11:30	S035	Won Kyung Song	
			S035 Compressed air energy storage in a lined rock cavern		
	11:30	11:45	S036	Jaewon Yoo	
			S036 Construction Case of Underground Storage Cavern In India		
	11:45	12:00	S037	Song Myung Kyu	
			S037 Lessons on the Hydrodynamic Containment Design and Construction of Oil Storage Cavern		
	12:00	12:15	S038	Tatsuo Kokubo, Kazuyoshi Takenobu, Ikeda, Shoji Kunisue, Keiichi Ooba	
			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		Session 05 Tunnel and underground construction;
			Chairpersons Xia- Ting Feng+ Vu Cao Minh		Chairpersons Ying xin Zhou + Do Nhu Trang
	13:30	13:45	S041	MOSHE LEVIN	S051 N.Q. Trinh, K.H. Holmøy, E. Grøv
			S041 Definition of Rock Mass Properties by In Situ tests		S051 Rock engineering service for unlined hydropower tunnels in Vietnam
	13:45	14:00	S043	Minami Kataoka, Shingo Yoshioka, Sang-Ho Cho, Kamil Soucek, Leona Vavro, Yuzo Obara	S052 Masayuki Kashiwayanagi, Norikazu Shimizu
		S043 Estimation of Fracture Toughness of Sandstone by Three Testing Methods		S052 Application of Continuous Maintenance Method for Aging Underground Powerhouse	
14:00	14:15	S044	Louis N.Y. Wong	S053 Filippos I. Manolas, Thamil Arusu	
		S044 Upgrading the rock mechanics laboratory at the Nanyang Technological University, Singapore		S053 Blasting in a Rail Protection Zone in Singapore	
14:15	14:30	S045	S. Khamrat, S. Somtong, K. Fuenkajorn	S054 Trung Thanh Dang	
		S045 Consolidation of Crushed Salt backfill for Salt and Potash Mines		S054 Analysis of microtunnelling using process simulation module	
14:30	14:45	S046	K. Artkhonghan, K. Fuenkajorn	S055 Tran Tuan Minh, Nguyen Duyen Phong	
		S046 Effects of Stress Path on Polyaxial Strengths of Maha Sarakham Salt		S055 Research on determination of optimal distance between two unsupported tunnels when consideration to shape changes	
14:45	15:00	S047	S. Pattani, P. Tepnarong	S057 Vu Ba Thao, Zhu Hehua, XuQianwei, Nguyen QuocDung, DinhThi Hong Minh	
		S047 Experimental Assessment of Mechanical and Hydraulic Performance of Cement Sealing in Rock Salt		S057 Model Tests of Effect of In-situ Stress State on Progressive Failure Mechanisms of Tunnels	
15:00	15:30	Tea Break			
		Session 04 Rock properties and testing methods		Session 02 Geohazard – (Landslide and Debris Flows) + Rock slope Stability	
		Chairpersons Norikazu Shimizu + Nguyen Quoc Dung		Chairpersons Zhu Hehua +Vo Chi My	
15:30	15:45	S048	P.Meemun, K. Fuenkajorn	S021 Thanh Truong Phi, Gi Sang Hwang, Phi Quoc Nguyen	
		S048 Shear Strength Testing under Constant Normal Load and Constant Normal Stiffness as Affected by Displacement Rates		S021 Delineate Structural Boundary from Fracture Correlation Coefficients	
15:45	16:00	S049	Kleempmek M., Fuenkajorn K.	S022 QuocPhi Nguyen, TruongThanh Phi, AnhNguyet Nguyen, VanAnh Lam	
		S049 Strengths of Rock Fractures as Affected by Shear Velocities and Confinements		S022 Landslide susceptibility zonation - A comparison of natural and cut slopes using statistical models	
16:00	16:15	S0410	Pham Quoc Tuan, Nghiem Huu Hanh, Xia-Ting Feng	S023 Pham Van Tu, Dao Minh Duc, Nguyen Manh Tung, Van Duy Cong	
		S0410 Determination of the shear strength parameter of some rock types modeled by transversal anisotropic body		S023 Formation and development of debris flows in Vietnam	
16:15	16:30	S0411	Thanh Truong Phi, Phi Quoc Nguyen	S024 Le Van Cong, Luu Cong Nam	
		S0411 Identify Driving Force to Cause Rockmass Destruction from Fracture Distributions		S024 The development excavation in Vietnam underground coal mine for period 2014 – 2020: the existing state and the solutions	
16:30	16:45			S025 Pham Quang Minh, Dennis Gross, Christophe Balg	
				S025 Large-scale field tests with flexible slope stabilization systems	
16:45	17:00			S026 Trung Thanh Dang	
				S026 Application of photogrammetry in measuring geologic structures and creating a 3D model on exposed rock faces	
17:30	19:30	Welcome Reception			
		Keynote Lectures			

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Friday	13-Mar-15		Chairpersons	Tran Tu Ba + Bui Xuan Nam				
		8:30	9:00	S014	J. Zhao, Q.B. Zhang			
				S014	Some New Insights of Rock Failure under Dynamic Loading			
		9:00	9:30	S015	Ki-Bok Min, Hanna Kim and Bona Park			
				S015	Experimental and Numerical Anisotropic Rock Mechanics			
		9:30	10:00	S016	Minh Lu, Nga P. Nguyen			
				S016	Underground oil and gas storage in rock caverns			
		10:00	10:30	S013	Eivind Grø, Ming Lu			
				S013	Understanding and utilizing in-situ rock stresses in design and building of underground caverns and tunnels			
		10:30	11:00		Tea Break			
					Session 07	Rock foundation and Rock dynamics;	Session 08	Rock properties: numerical simulations;
					Chairpersons	Yuzo OBARA + Trinh Quoc Nghia	Chairpersons	Seokwon Jeon + Tran Thi Hang
		11:00	11:15	S071	Hideki Shimada, Takashi Sasaoka, Sugeng Wahyudi, Kikuo Matsui, Ginting J. Kusuma, Rudy S. Gautama	S081	Takayuki MORI, Pham Quoc Tuan, Seiji MORIKAWA, Kazuto Tabei	
				S071	Fundamental Study of Effect of Waste Rock Condition on Control of Acid Mine Drainage at Open Pit Coal Mine in Tropical Regions	S081	Multiple Yield Model in Anisotropic Rock for Underground Cavern	
		11:15	11:30	S072	T. Sasaoka, H. Shimada, A. Hamanaka, B. Sulistianto, M. Ichinose, K. Matsui	S082	Z.Y. Zhao, Y.X. Zhou, W. Nie	
				S072	Geotechnical Issues on Application of Highwall Mining System in Indonesia	S082	Some Research Activities on Rock Mechanics/Engineering at Nanyang Technological University, Singapore	
		11:30	11:45	S073	C. Izumi, S. Akutagawa, M. Nomura, H. Zhang	S084	J.Q. Chen, H.H. Zhu, X.J. Li	
				S073	The Effectiveness assessment of On-Site Visualization and the application of various type of OSV on Hanoi Metro Line 2	S084	Automatic Rock Mass Discontinuities Detection Based on Binocular 3-D Reconstruction	
		11:45	12:00	S074	R.J. Longden, Viet Ha Nguyen	S086	Dinh Phuc Hoang, Guang Li Xu, Zhi Peng Li, Jia Xing Dong	
				S074	In-Situ Rock Testing for the Design of the Lai Chau RCC Dam	S086	Investigation of Failure Mechanism and Process on Excavation Disturbed Zone (EDZ) of Underground engineering in Rock	
		12:00	12:15	S078	BUI Xuan Nam, NGUYEN Quoc Long	S087	DAO Viet Doan	
		S078	Building a subsidence prediction module and applying for Nam Deo Nai waste dump	S087	Theoretical analysis of deformation above roadways excavated in thin coal seam and rock stratification			
12:15	12:30	S076	Quoc Long NGUYEN, Kha Luyen BUI	S075	Liu pan, Fan kai			
		S076	The use of the exponential function to predict surface subsidence due to underground mining	S075	Study on High Pressure Impact Extrusion of the Foundation Curtain Deflection Core Fracture Zone of the Sluicing Dam Section			
12:30	13:30		Closing Ceremony					
13:30	15:30		Banquet					
15:30	17:30		Hanoi City tour					
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 cruising			
		16:30	20:30		Taking car back Hanoi.			
		20:30	21:30		Dinner			