

12th Asian Rock Mechanics Symposium -ARMS12th
ISRM sponsored Regional Symposium
23-24 Nov., 2022

		Time		Chi Lang Pass Room Hall	
From	To				
7:30	9:00	Registration			
9:00	9:30	Opening Ceremony			
		Chairpersons	Resat Ulusay	Do Nhu Trang	
		Keynote Lectures			
		Chairpersons	Pinnaduwa H.S.W. Kulatilake	Do Nhu Trang	
9:30	10:10	ARMS12-No. A57	ARMS12-No. A57		
		Resat Ulusay	Rock characterization, testing and future trends: Highlighting the ISRM Suggested Methods		
10:10	10:40	Tea Break + Group Photo			
10:40	11:20	ARMS12-No. A54	ARMS12-No. A54		
		Seokwon Jeon	Advances in Rock Excavation Technology		
11:20	12:00	ARMS12-No. A58	ARMS12-No. A58		
		Man Chao He	Missions of Rock Mechanics: Material Innovation to Engineering Revolution		
12:00	13:00	Luncheon Bach Dang Restaurant			
		Session 02	Rock properties and testing methods		
		Chairpersons	Resat Ulusay	Vu Cao Minh	
13:30	13:48	ARMS12-No. A03	ARMS12-No. A03		
		Nguyen Huy Hiep	Determination of creep properties of rock masses		
13:48	14:06	ARMS12-No. A23	ARMS12-No. A23		
		Mahendra Singh	Fatigue Behaviour of a Model Rock under Cyclic Polyaxial Loading		
14:06	14:24	ARMS12-No. A34	ARMS12-No. A34		
		Prabhakar Kumar	Experimental study on the mechanical response of simulated multi flawed rock-like material under true triaxial compression		
14:24	14:42	ARMS12-No. A42	ARMS12-No. A42		
		Pham Quoc Tuan	Measurement tensile elastic modulus and tensile plastic modulus of rockmass in basalt zone of the Hoa Binh expansion hydropower project by Brazilian test		
14:42	15:00	ARMS12-No. A50	ARMS12-No. A50		
		Ho Minh Long	Determination of natural stress of rock mass by hydraulic fracturing method (Using Camera technology to precisely determine direction of the smallest stress)		
15:00	15:30	Tea Break			
		Session 04	Rock Mechanics & Engineering in Mining		
		Chairpersons	Mahendra Singh	Ha Ngoc Anh	
15:30	15:48	ARMS12-No. A25	ARMS12-No. A25		
		Sruti Narwal	Mine design in friable rock mass under an open-cast mine		
15:48	16:06	ARMS12-No. A29	ARMS12-No. A29		
		Suryando Sagala	Enhancement Ground Control Management Using Ground base SAR (Hydra -X) Monitoring Project - Martabe Gold Mining Sumatra Utara		
16:06	16:24	ARMS12-No. A35	ARMS12-No. A35		
		Yuka Oota	Fundamental Study on Applicability of Fractal Dimension for Evaluation of Fracture Conditions in Rock Mass at an Open Pit Mine		
16:24	16:42	ARMS12-No. A37	ARMS12-No. A37		
		Farhan Takdir	Analysis of Wall Failure Contributed by External Factors - Significant Rainfall and Blasting Event, in Mining Site by Utilizing Ground-Based 3D Real Aperture Radar		
16:42	17:00	ARMS12-No. A41	ARMS12-No. A41		
		Ulaankhuu Batsaikhan	Crown pillar design in the transition from open pit to underground in Narynsukhait (NS) coal mine, Mongolia		
17:00	17:18				
18:00	19:00	Welcome Reception	Bach Dang Restaurant		

WED

23/11/2022

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		Time		Dien Bien Phu Room Hall		
		From	To			
WED 23/11/2022	Session 03		Tunnel and underground construction;			
	Chairpersons		Seokwon Jeon		Le Quang Huy	
	13:30	13:48	ARMS12-No. A49	ARMS12-No. A49		
			Le thi Minh Giang	Rehabilitating and strengthening a leaked underground penstock using permanent strand ground anchors at a hydropower plant in Laos		
	13:48	14:06	ARMS12-No. A40	ARMS12-No. A40		
			Hong-Lam Dang	A study of modeling damage zone around tunnel excavation by DEAL.II		
	14:06	14:24	ARMS12-No. A27	ARMS12-No. A27		
			Rajinder Kumar Bhasin	Combining Empirical and Numerical Approaches for Design of Tunnels using the Norwegian Method Tunnelling (NMT)		
	14:24	14:42	ARMS12-No. A43	ARMS12-No. A43		
			Nghia Quoc Trinh	Underground solution for Su-Pan 1 hydropower project in Vietnam		
	14:42	15:00	ARMS12-No. A06	ARMS12-No. A06		
			Muhammad Irfan bin Shahrir	Effect of Stiffness Ratio on Rock Fragmentation Induced by Blasting		
	15:00	15:30				
	Session 05		Geohazard – (Landslide and Debris Flows) + Rock slope Stability			
	Chairpersons		Pinnaduwa H.S.W. Kulatilake		Pham Huy Giao	
	15:30	15:48	ARMS12-No. A56	ARMS12-No. A56		
			Dao Minh Duc	The main characteristics of the large landslide in the northern mountainous region of Vietnam		
	15:48	16:06	ARMS12-No. A33	ARMS12-No. A33		
			AKM Badrul Alam	Potential of CMC to increase the stability of shale at a slope		
	16:06	16:24	ARMS12-No. A39	ARMS12-No. A39		
			Phi Hong Thinh	Method of forecasting land subsidence in the karst area; a case study at the section km55+660 - km55+690 of north-south vietnam expressway		
	16:24	16:42	ARMS12-No. A19	ARMS12-No. A19		
			Shubham Shrivastava	Experimental procedures to determine porosity-height relationship of mine overburden dump		
16:42	17:00	ARMS12-No. A51	ARMS12-No. A51			
		Dam Trong Thang	Experimental study of rock breaking effect of long cylindrical charge in infinite environment			
17:00	17:18	ARMS12-No. A52	ARMS12-No. A52			
		Manh Nguyen Duc	Slope stabilization of layered soft rock for cutting highway roadbed construction in Vietnam: A case study at the central main road of Cao Bang city			
18:00	19:00					

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V	23	From	To				
THU	24/11/2022	Keynote Lectures					
		Chairpersons				Seokwon Jeon Nguyen Thanh Tung	
		8:30	9:10	ARMS12-No. A53	ARMS12-No. A53		
				Suseno Kramadibrata	Geomechanics Risk Management System in Indonesian Mining Operation		
		9:10	9:50	ARMS12-No. A55	ARMS12-No. A55		
				Pinnaduwa H.S.W. Kulatilake	A Case Study on Stability and Rock Support Assessment for a Complex Underground Mine in the USA		
		9:50	10:05	Tea Break			
		Session 06				Rock Mechanics & Engineering in Drilling Engineering	
		Chairpersons				Murat Karakus Nguyen Thanh Tung	
		10:05	10:23	ARMS12-No. A45	ARMS12-No. A45		
				Truong Nguyen Huu	Comparison of fracture propagation of fracture models while fracturing: A case study of the Oligocene formation in the White Tiger field		
		10:23	10:41	ARMS12-No. A46	ARMS12-No. A46		
				Do Quang Khanh	Using different artificial neural network models to predict rate of penetration for oil and gas wells		
		10:41	10:59	ARMS12-No. A47	ARMS12-No. A47		
				Bui Tu An	Estimating In-Situ Stress Direction from Borehole Failure Analysis Using Image Logs in the Cuu Long Basin, Offshore Vietnam		
		10:59	11:17	ARMS12-No. A48	ARMS12-No. A48		
				Linh H Luong	EOR methods suggestion for lower miocene reservoirs in Vietnam		
		11:17	11:35				
		11:35	12:05	Closing Ceremony			
		Chairpersons				Suseno Kramadibrata	
12:05	13:35	Banquet	Chuong Duong Hall				
14:00	15:30						
15:45	18:15	Hanoi City Tour					

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THU	24/11/2022					
		8:30	9:10			
		9:10	9:50			
		9:50	10:05			
				Session 07	Rock properties: numerical simulations;	
				Chairpersons	Trinh Quoc Nghia	AKM Badrul Alam
		10:05	10:23	ARMS12-No. A26	ARMS12-No. A26	
				Sunita Mishra	Numerical Study on the Effect of Shockwaves used for Percussive Drilling	
		10:23	10:41	ARMS12-No. A38	ARMS12-No. A38	
				V B Maji	Numerical Simulation of Rock Cutting Mechanism of Tunnel Boring Machine using RHT material model	
		10:41	10:59	ARMS12-No. A10	ARMS12-No. A10	
				Sejin Kim	A study on Tailings Storage Facility (TSF) management system using ICT based monitoring and numerical simulation	
		10:59	11:17	ARMS12-No. A44	ARMS12-No. A44	
				Do Nhu Trang	An analysis load-transfer due to blasting to the adjacent tunnel - a case study in Ca Road tunnel project	
		11:17	11:35	ARMS12-No. A59	ARMS12-No. A59	
				Venkatesh M Deshpande	Numerical simulations of SHPB tests on Rewa shale	
11:35	12:05					
12:05	13:35					
			Asian Council Meeting			
		Chairpersons	Resat Ulusay	Suseno Kramadibrata		
14:00	15:30					
15:45	18:15					

Ha Long Bay, Lan Ha Bay, CRUISE 2 DAYS/ 1 NIGHT

DAY 1: TUAN CHAU PORT - HALONG BAY – LAN HA BAY (Lunch , Dinner)

08:00: Bus picks you up at your hotel

12:00: The crew members of Cruise will welcome you at Tuan Chau International Marina Station.

12:30: You will be taken aboard our support vessel and travel from the wharf via the bay to board our luxurious craft. Welcome fresh drinks, cold towels and a special lunch of fresh food and an assortment of appetizing delicacies will be served. You will be enchanted when decadently dining on our luxury junk. Life just doesn't get better than this! We then set sail for Lan Ha Bay - A member of the World's Most Beautiful Bays.

15:30: We will visit the Dark and Bright Cave - famous for the pristine natural beauty and poetic, attractive seascape of Lan Ha Bay. Here you will take some photos of the romantic, lyrical local see-sights. This is also the best time for tourists to enjoy bamboo boat and swimming - which is an interesting activity to discover the truest beauty of the limestone mountains and the blue sky of LanHa Bay. Afterwards, visitors immerse in the emerald green water of LanHa Bay with exciting swimming activities

17:30: Return to Cruise. Enjoy sunset party on Lan Ha Bay. It is an ideal time for photography enthusiasts to capture the stunning moment of sunset at Lan Ha Bay.

19:30: Enjoy a romantic dinner at the restaurant on cruise

21:00-00:00: Enjoy the nightlife of the bay from the top deck. Immerse yourself in music, enjoying a glass of cocktail from the bar, watching famous films and relaxing on the cruise. Otherwise, you can fish squid with the sailors or simply relax in the room and watch the bay from the balcony.

Overnight on the cruise.

DAY 2: LAN HA BAY – TUAN CHAU PORT (Breakfast and Brunch)

6:30-7:30: Breakfast is served at Cruise restaurant.

8:00: Cruise will arrival Frog Pond area, in here you have kayaking and free to relax in the four- season mini pool on Lan Ha Bay - A silk ribbon made from green mountains, blue seas and diverse fauna and flora.

9:30: Checking out of the room. Then the lunch in the restaurant is ready for you, pay the extra fee (if any)