

## TECHNICAL PAPER (ORAL AND POSTER) PRESENTATION SCHEDULE

ISRM International Symposium 2024 and 13<sup>th</sup> Asian Rock Mechanics Symposium  
(ARMS13), 22-27<sup>th</sup> Sept. 2024, Eros Hotel, Nehru Place, New Delhi, INDIA

### Rooms for Oral Presentations:

- i. RBR1: Royal Ball Room -1;
- ii. RBR-2: Royal Ball Room-2;
- iii. RBR-3: Royal Ball Room-3;
- iv. Viceroy Hall
- v. Governor Room

### Final Themes of Symposium

Final Theme (Earlier themes)	
Theme: A (A1+A2) (Theme-1)	Site Investigations and Characterization of Rocks & Rock Masses
Theme:B (B1+B2+B3) (Themes- 3& 7)	Analytical, Numerical and Constitutive Modelling
Theme: C (C1+C2+C3+C4) (Theme 13)	Advancement in Laboratory Testing Techniques
Theme:D (D1+D2) (Themes- 4 & 5)	Drilling, Blasting and Slope Stability
Theme:E (Theme-6)	Rock Supports and Instrumentations
Theme:F (Theme-10)	Tunneling, Underground Space and Storage
Theme:G (Theme-9)	Deep Underground Mining Method
Theme:H (Themes 11 &12)	Monitoring and Applications of SMART devices
Theme:I (Themes 14 & 15)	Geo-hazards, Risk Management and Sustainability
Theme:J (J1+J2) (Theme-16)	Case Studies in Rock Engineering Projects

Abbreviation	Meaning
TS-1A, TS-1B....	Technical sessions 1A, 1B,....
OP-1: 011	Oral Presentation No.1, Paper ID-011
CP	Corporate presentations
KN-2	Key Note No. 2
ECP-1	ECF Presentation -1

## Keynote Lectures

Sr.	Name	Designation	Topic
1.	<b>Prof. Krishna Kanta Panthi</b>	Professor, Department of Geoscience and Petroleum (IGP), Norwegian University of Science and Technology (NTNU), Norway	Norwegian Method of Tunnelling for a Sustainable and Cost Effective Tunnelling in the Himalaya.
2.	<b>Dr. Nick Barton</b>	International Consultant: Rock engineering, tunnelling, hydropower, metro, nuclear waste research, EDZ, fractured reservoirs.	Celebrating 50 years of Q system development for infrastructure design and follow-up
3.	<b>Prof. Dr. Ömer Aydan</b>	Retd. Professor, University of Ryukyus, Japan	Damage to rock engineering structures by the February 2023 Great K. Maraş Earthquakes in Türkiye and some implications on their seismic design.
4.	<b>Dr. Ki-Bok Min</b>	Vice President Asia (ISRM) and Professor, Geomechanics, Department of Energy Resources Engineering (Department Head) College of Engineering, Seoul National University, Korea (Republic of)	Anisotropic Rock Mechanics: The State of the Art.
5.	<b>Prof. K S Rao</b>	Emeritus Professor, Indian Institute of Technology Delhi	Geotechnical Characterisation and Stability Assessment of Mine Dumps
6.	<b>Dr. H.S. Venkatesh</b>	Director & Head, Excavation Engineering, National Institute of Rock Mechanics	Blasting a boon for Sustainable Infrastructure Development
7.	<b>Prof. Debasis Deb</b>	Professor, Department of Mining Engineering, IIT Kharagpur	Multifaceted and Adaptive Finite Element Methods for Applications in Geomechanics
8.	<b>Prof. T.N. Singh</b>	Director, IIT Patna	

<b>Day3-Tuesday; 24.09.24;</b>						
9:00-10:30	<b>Opening Ceremony</b>	RBR-1				
10:30-11:00	High-Tea					
11:00-11:45	Rocha Medal ceremony	RBR-1				
11:45-12:30	Franklin Lecture	RBR-1				
12:30-13:15	“Eda Quadros” Special session:	RBR-1				
13:15-14:15	Lunch					
<b>Oral Presentation (OP) Schedule: Paper ID shown as three digit number</b>						
<b>14:15-15:45</b>	<b>TS-1A, RBR-1 Theme-B1</b>	<b>TS-1B RBR-2 Theme-C1</b>	<b>TS-1C RBR-3 Theme-D1</b>	<b>TS-1D Viceroy Theme-E</b>	<b>ECF Governor</b>	<b>Poster Presentation Paper-ID</b>
14:15-14:30	OP-1: <b>011</b>	OP-1: <b>007</b>	OP-1: <b>008</b>	OP-1: <b>020</b>	ECF-Lect-1	<b>Theme: A</b> 006, 015 018, 026
14:30-14:45	OP-2: <b>031</b>	OP-2: <b>016</b>	OP-2: <b>023</b>	OP-2: <b>106</b>	ECFP -1	
14:45-15:00	OP-3: <b>032</b>	OP-3: <b>027</b>	OP-3: <b>025</b>	OP-3: <b>108</b>	ECFP -2	
15:00-15:15	OP-4: <b>034</b>	OP-4: <b>041</b>	OP-4: <b>039</b>	OP-4: <b>123</b>	ECFP -3	<b>Theme-D:</b> 005, 013, 072, 088, 102, 113, 135, 150
15:15-15:30	OP-5: <b>055</b>	OP-5: <b>043</b>	OP-5: <b>040</b>	OP-5: <b>146</b>	ECFP-4	
15:30-15:45	OP-6: <b>058</b>	OP-6: <b>045</b>	OP-6: <b>082</b>	OP-6: <b>176</b>		
				OP-7: <b>191</b>		
15:45-16:15	Tea	Tea	Tea	Tea	Tea	
<b>16:15-18:00</b>	<b>TS-2A RBR-1 Theme-A1</b>	<b>TS-2B RBR-2 Theme-C2</b>	<b>TS-2C RBR-3</b>	<b>TS-2D Viceroy Theme-F</b>	<b>ECF Governor</b>	
16:15-16:30	OP-1: <b>024</b>	OP-1: <b>046</b>	Rock Bowl	OP-1: <b>104</b>	ECF Lect-2	<b>Theme-E:</b> 012, 022, 094, 101, 185
16:30-16:45	OP-2: <b>026</b>	OP-2: <b>049</b>		OP-2: <b>122</b>	ECFP-5	
16:45-17:00	OP-3: <b>028</b>	OP-3: <b>052</b>		OP-3: <b>130</b>	ECFP-6	
17:00-17:15	OP-4: <b>042</b>	OP-4: <b>053</b>		OP-4: <b>142</b>	ECFP -7	<b>Theme-F:</b> 009, 105
17:15-17:30	OP-5: <b>056</b>	OP-5: <b>070</b>		OP-5: <b>153</b>	ECFP -8	
17:30-17:45	OP-6: <b>059</b>	OP-6: <b>086</b>		OP-6: <b>156</b>		
17:45-18:00	OP-7: <b>068</b>	OP-7: <b>095</b>		OP-7: <b>157</b>		<b>Theme-C</b> 048, 067, 071, 083
18:45	Welcome reception/ students’ night					

<b>Day4-Wednesday; 25.09.24</b>					
<b>Plenary Session-1: RBR-1</b>					
9:00-9:30	Key Note -1	Omer Aydan			
9:30-10:00	Key Note -2	Nick Barton			
10:00-10:30	CP				
10:30-11:00	Tea				
<b>Plenary Session-2: RBR-1</b>					
11:00-11:30	Key Note-3	H.S. Venkatesh			
11:30-12:00	Key Note-4	Debasis Deb			
12:00-12:30	CP				
12:30-13:00	Networking				
13:00-14:00	Lunch			Asian Council Meeting: 13:15 – 14:30	
<b>14:00-15:45</b>	<b>TS-3A RBR-1 Theme-B2</b>	<b>TS-3B RBR-2 Theme-C3</b>	<b>TS-3C RBR-3 Theme-D2</b>	<b>TS-3D Viceroy Theme-H</b>	<b>Poster Presentation Paper-ID</b>
14:00-14:15	OP-1: 063	OP-1: 108	OP-1: 115	OP-1: 019	<b>Theme-A:</b> 097, 103
14:15-14:30	OP-2: 064	OP-2: 111	OP-2: 117	OP-2: 047	
14:30-14:45	OP-3: 069	OP-3: 138	OP-3: 135	OP-3: 051	<b>Theme-B:</b> 002, 036 038, 050 066, 076, 078, 081, 085
14:45-15:00	OP-4: 084	OP-4: 140	OP-4: 139	OP-4: 057	
15:00-15:15	OP-5: 091	OP-5: 141	OP-5: 149	OP-5: 060	
15:15-15:30	OP-6: 100	OP-6: 160	OP-6: 161	OP-6: 062	
15:30-15:45	OP-7: 124	OP-7: 166	OP-7: 163	OP-7: 065	
				OP-8: 148	
15:45-16:15	Tea	Tea	Tea	Tea	
<b>16:15-18:00</b>	<b>TS-4A RBR-1 Theme-A2</b>	<b>TS-4B RBR-2 Theme-G</b>	<b>TS-4C</b>	<b>TS-4D Viceroy Theme-J1</b>	
16:15-16:30	OP-1: 075	OP-1: 001	Rock Bowl	OP-1: 014	<b>Theme-G:</b> 003, 004, 021, 167
16:30-16:45	OP-2: 099	OP-2: 093		OP-2: 017	
16:45-17:00	OP-3: 129	OP-3: 145		OP-3: 033	
17:00-17:15	OP-4: 137	OP-4: 168		OP-4: 061	
17:15-17:30	OP-5: 147	OP-5: 169		OP-5: 087	<b>Theme-H:</b> 074, 090, 110, 164, 165
17:30-17:45	OP-6: 155			OP-6: 089	
17:45-18:00	OP-7: 180 OP-8: 192			OP-7: 098	
18:45	Cultural program / Awards/ Rock Bowl Prizes/ Banquet				

<b>Day5- Thursday; 26.09.24</b>					
<b>Plenary Session-3</b>					
9:00-9:30	Key Note -5	Ki Bok Min			
9:30-10:00	Key Note -6	K.K. Panthi			
10:00-10:30	CP				
10:30-11:00	Tea				
<b>Plenary Session-4</b>					
11:00-11:30	Key Note-7	K.S. Rao			
11:30-12:00	Key Note-8	T.N. Singh			
12:00-12:30	CP				
12:30-13:00	Networking				
13:00-14:00	Lunch				
<b>14:00-15:45</b>	<b>TS-5A RBR-1 Theme-B3</b>	<b>TS-5B RBR-2 Theme-C4</b>	<b>TS-5C RBR-3 Theme-I</b>	<b>TS-5D Viceroy Theme- J2</b>	<b>Poster Presentation Paper-ID</b>
14:00-14:15	OP-1: 126	OP-1: 173	OP-1:054	OP-1: 107	<b>Theme-B:</b> 091, 106, 109, 114, 131, 162
14:15-14:30	OP-2: 127	OP-2: 175	OP-2: 092	OP-2: 116	
14:30-14:45	OP-3: 128	OP-3: 181	OP-3: 121	OP-3: 132	
14:45-15:00	OP-4: 133	OP-4: 186	OP-4: 143	OP-4: 152	
15:00-15:15	OP-5: 170	OP-5: 190	OP-5: 159	OP-5: 154	
15:15-15:30	OP-6: 183	OP-6:	OP-6: 178	OP-6: 184	<b>Theme-C</b> 125, 144, 158, 187
15:30-15:45	OP-7: 188				
					<b>Theme-I:</b> 079, 080, 112, 118, 120, 122, 174, 179, 182
15:45-16:15	Valedictory				<b>Theme-J</b> 134, 171, 177
16:15-17:00	High Tea				