

## General Programme

**ISRM International Symposium 2024 and 13th Asian Rock Mechanics Symposium (ARMS13) on 22-27th September 2024 at EROS Hotel, Nehru Place, New Delhi**

**Sunday, 22th September, 2024**

08:30 to 09:00

**Registration for Short Courses and Workshops**

09:00 to 19:00

**GOVERNOR ROOM**

**ISRM Board Meeting**

*ISRM Board*

*(20-22 persons)*

19:30 to 21:00

**SOCIAL EVENT**

**Dinner of ISRM Board**

*ISRM Board*

**SC-1**

09:00 to 18:00

**ROYAL BALL ROOM -1 HALL**

**Numerical Analysis with FLAC2D/FLAC3D (Full day):**

*Rockmech IT Solutions Private Limited*

*(75-100 persons)*

**WS-1**

09:00 to 18:00

**ROYAL BALL ROOM -2 HALL**

**Smart Mining and Rock Engineering (Full day)**

*Prof. Dheeraj Kumar, Dy. Director, IIT (ISM) Dhanbad, India*

*Prof. Debasis Deb, IIT Kharagpur, India*

*(75-100 persons)*

**WS-2**

09:00 to 18:00

**VICEROY HALL**

**Rock Grouting (Full Day)**

*Dr. Mohamed El Tani < info@rockgro.com >*

*Hydrogeology and grouting (A. Fransson);*

*Selecting grouting pressure (M. Akx);*

*Refusal and the minimal flow criterion (M. El Tani)*

*(40-45 persons)*

**WS-3**

09:00 to 18:00

**LUTYENS LOUNGE**

**Integrating Rock Mass Classification Techniques and Tunnelling Technology (Full Day)**

*Dr. Bineshian Hoss, South Australia, Australia*

*(45-55 persons)*

10:30 to 11:00

**High Tea Break**

*For all*

13:00 to 14:00

**Lunch Break**

*For all*

15:30 to 16:00

**Tea Break**

*For all*

**Monday, 23<sup>rd</sup> September, 2024**

08:30 to 09:00

**Registration for Short Courses and Workshops**

14:00 to 19:00

**ROYAL BALL ROOM -3 HALL**

**Council Meeting**

*ISRM NG MEMBERS*

*(75-100 persons)*

08:30 to 18:00

**GOVERNOR HALL**

**Commission Meeting**

*Bio-Rock Mechanics*

*Rock Grouting*

*Testing Methods*

**LUTYENS LOUNGE BOARD MEETING ROOM**

*(20-22 persons)*

**WS-4**

09:00 to 18:00

**ROYAL BALL ROOM -2 HALL**

**Rockfall Protection and Landslide Stabilization Solutions Integrated With IOT Technology (Full day)**

*Maccaferri Environmental Solutions Pvt. Ltd.*

*(75-100 persons)*

**SC-2**

09:00 to 18:00

**ROYAL BALL ROOM -1 HALL**

**Rock Mechanics in Tunnelling Techniques (Full day):**

*Prof. Debasis Deb, IIT Kharagpur, India*

*Prof. VMSR Murthy, IIT (ISM) Dhanbad, India*

*(75-100 persons)*

**SC-3**

09:00 to 18:00

**VICEROY HALL**

**Enhancing Tunnelling and Rock Slope Engineering with Rocscience Software Tools**

*Dr Manoj Verman, Rocscience Representative, South Asia*

10:30 to 11:00

**High Tea Break**

*For all*

13:00 to 14:00

**Lunch Break**

*For all*

15:30 to 16:00

**High Tea Break**

*For all*

**Tuesday, 24<sup>th</sup> September, 2024**

08:30 to 09:00

**SYMPOSIUM**

**REGISTRATION**

*Open to all*

9:00-10:30

**RBR**

**Symposium Opening and Inaugural Ceremony**

*Open to all*

*(300-400 persons)*

10:30 to 11:00

**High-Tea**

<b>Open to all</b>	
11:00 to 11:45 <b>Rocha Medal Award Ceremony</b> <i>Open to all</i>	<b>RBR</b>
11:45 to 12:30 <b>Franklin Lecture</b> <i>Open to all</i>	<b>RBR</b>
12:30-13:15 “Eda Quadros” <b>Eda Quadros” Special session: NG Presentations</b> <i>Open to all</i>	<b>RBR</b>
<b>13:15-14:15</b> <b>Lunch</b> <i>Open to all</i>	
14:15-15:45 <b>Technical Session 1A</b> <b>Theme-B1</b> Analytical, Numerical and Constitutive Modelling	<b>ROYAL BALL ROOM -1 HALL</b>  (75-100 persons)
14:15-15:45 <b>Technical Session 1B</b> <b>Theme-C1</b> Advancement in Laboratory Testing Techniques	<b>ROYAL BALL ROOM -2 HALL</b>  (75-100 persons)
14:15-15:45 <b>Technical Session 1C</b> <b>Theme-D1</b> Drilling, Blasting and Slope Stability	<b>ROYAL BALL ROOM -3 HALL</b>  (75-100 persons)
14:15-15:45 <b>Technical Session 1D</b> <b>Theme- E</b> Rock Supports and Instrumentations	<b>LUTYENS LOUNGE</b>  (40-50 persons)
14:15-15:45 <b>Early Career Forum</b>	<b>VICEROY HALL</b> (20-30 persons)
<b>15:45-16:15</b> <b>Tea Break</b> <i>Open to all</i>	
16:15-18:00 <b>Technical Session 2A</b> <b>Theme-A1</b> Site Investigations and Characterization of Rocks & Rock Masses	<b>ROYAL BALL ROOM -1 HALL</b>  (75-100 persons)
16:15-18:00 <b>Technical Session 2B</b> <b>Theme-C2</b> Advancement in Laboratory Testing Techniques	<b>ROYAL BALL ROOM -2 HALL</b>  (75-100 persons)
16:15-18:00 <b>Technical Session 2C</b> <b>Rock Bowl Event</b>	<b>ROYAL BALL ROOM -3 HALL</b>  (75-100 persons)

16:15-18:00

LUTYENS LOUNGE

**Technical Session 2D**

**Theme-F**

Tunneling, Underground Space and Storage

(40-50 persons)

16:15-18:00

**Early Career Forum**

VICEROY

(20-30 persons)

14:15 to 18:00

RBR-1 , RBR-2 , RBR-3 LUTYENS LOUNGE

**Poster Session**

18:00 to 20.00

RBR

**Welcome Reception and Student's night**

**Wednesday, 25<sup>th</sup> September, 2024**

**Plenary Session-1 RBR**

9:00-9:30

**Key Note -1**

9:30-10:00

**Key Note -2**

10:00-10:15

**Corporate Presentation by Dr. Sanjay Rana , M/s Parson Overseas Pvt Ltd**

10:15-10:30

**Corporate Presentation by M/s Maccaferri**

10:30-11:00

**Tea Break**

*Open to all*

**Plenary Session-2 RBR**

11:00-11:30

**Key Note -3**

11:30-12:00

**Key Note -4**

12:00-12:15

**Corporate Presentation by Mr. Neeraj Chadha M/s Complete Instrumentation**

12:15-12:30

**Corporate Presentation by Mr. Tiru Kulkarni ,M/s Garware**

12:30-13:00

**Networking**

13:00-14:00

**Lunch**

*Open to all*

14:00-15:45

ROYAL BALL ROOM -1 HALL

**Technical Session 3A**

**Theme-B2**

Analytical, Numerical and Constitutive Modelling

(75-100 persons)

14:00-15:45	<b>ROYAL BALL ROOM -2 HALL</b>
<b>Technical Session 3B</b> <b>Theme-C3</b> Advancement in Laboratory Testing Techniques (75-100 persons)	
14:00-15:45	<b>ROYAL BALL ROOM -3 HALL</b>
<b>Technical Session 3C</b> <b>Theme-D2</b> Drilling, Blasting and Slope Stability (75-100 persons)	
14:00-15:45	<b>VICEROY HALL</b>
<b>Technical Session 3D</b> <b>Theme-H</b> Monitoring and Applications of SMART devices (40-50 persons)	
15:45-16:15 <b>Tea Break</b> <i>Open to all</i>	
16:15-18:00	<b>ROYAL BALL ROOM -1 HALL</b>
<b>Technical Session 4A</b> <b>Theme-A2</b> Site Investigations and Characterization of Rocks & Rock Masses (75-100 persons)	
16:15-18:00	<b>ROYAL BALL ROOM -2 HALL</b>
<b>Technical Session 4B</b> <b>Theme-G</b> Deep Underground Mining Method (75-100 persons)	
16:15-18:00	<b>ROYAL BALL ROOM -3 HALL</b>
<b>Technical Session 4C</b> <b>Rock Bowl Event</b> (75-100 persons)	
16:15-18:00	<b>VICEROY HALL</b>
<b>Technical Session 4D</b> <b>Theme-J1</b> Case Studies in Rock Engineering Projects (40-50 persons)	
14:00 to 18:00	<b>LUTYENS LOUNGE</b>
<b>Poster Session</b>	
18:45 to 22:00 <b>Cultural program / Awards/ Rock Bowl Prizes/ Banquet</b>	

**Thursday, 26<sup>th</sup> September, 2024**

<b>Plenary Session-3 RBR</b>	
9:00-9:30	<b>Key Note -5</b> <i>Open to all</i>
9:30-10:00	<b>Key Note -6</b> <i>Open to all</i>
10:00-10:15	<b>Corporate Presentation by M/s Heico</b>

10:30-11:00 <b>Tea Break</b> <i>Open to all</i>	
<b>Plenary Session-4 RBR</b>	
11:00-11:30 <b>Key Note -7</b>	
11:30-12:00 <b>Key Note -8</b>	
12:00-12:30 <b>Key Note -9</b>	
12:30-13:00 <b>Corporate Presentation</b>	
13:00-14:00 <b>Lunch</b> <i>Open to all</i>	
14:00-15:45 <b>Technical Session 5A</b> <b>Theme-B3</b> Analytical, Numerical and Constitutive Modelling <i>(75-100 persons)</i>	<b>ROYAL BALL ROOM -1 HALL</b>
14:00-15:45 <b>Technical Session 5B</b> <b>Theme-C4</b> Advancement in Laboratory Testing Techniques <i>(75-100 persons)</i>	<b>ROYAL BALL ROOM -2 HALL</b>
14:00-15:45 <b>Technical Session 5C</b> <b>Theme-I</b> Geo-hazards, Risk Management and Sustainability <i>(75-100 persons)</i>	<b>ROYAL BALL ROOM -3 HALL</b>
14:00-15:45 <b>Technical Session 5D</b> <b>Theme- J2</b> Case Studies in Rock Engineering Projects <i>(40-50 persons)</i>	<b>VICEROY HALL</b>
14:00-15:45 <b>Poster Session</b>	<b>LUTYENS HALL</b>
15:45-16:15 <b>Valedictory</b>	
16:15-17:00 <b>High Tea</b>	

**Friday, 27<sup>th</sup> September, 2024**  
**TECHNICAL VISIT**

0900-1300

**TECHNICAL VISIT**

DMRC Chhatarpur Mandir Site

13:00-14:00

**Lunch**

14:00-1700

**DELHI DARSHAN**

Qutub Minar, Lal Qila and other places