

## RARE-2016

# International Conference on "Recent Advances in Rock Engineering" Bengaluru, India, 16-18 November 2016

*An ISRM Specialized Conference*

*with Specialized Theme : **Instrumentation & Field Measurements***

The National Institute of Rock Mechanics will be organizing an international conference on rock mechanics, titled "Recent Advances in Rock Engineering", RARE-2016, as a Specialized Conference of the International Society for Rock Mechanics, during 16<sup>th</sup> to 18<sup>th</sup> November, 2016, at Bengaluru (earlier Bangalore), the beautiful and pleasant city in southern India.

The objective of the Conference is to bring together the practicing engineers, planning & design engineers, researchers, academicians and consultants in the field of rock mechanics and rock engineering. The Conference focuses on the developments and innovations made in recent years in the field of rock engineering, with special emphasis on field measurements, instrumentation and data collection, to understand the behavior of excavations in rock.

The Conference will address the problems and challenges posed in excavation of openings in rock for mining engineering, civil engineering & infrastructure development projects, and will discuss solutions to overcome these problems. Past experiences will be shared and application of new technologies will be explored.

### The Theme & Sub-Themes of the Conference

The main theme of the Conference is recent advances in rock engineering; the specialized theme is instrumentation and field measurements. The specific topics will be :

## DEVELOPMENTS IN TESTING & FIELD INVESTIGATIONS

- Rock mass characterization
- Geophysical probing techniques
- Stress regime around excavations
- Mechanical properties of rocks
- Instrumentation, and strata behavior monitoring

## ADVANCES IN EXCAVATION & DESIGN METHODS

- Rock blasting & other excavation techniques
- Tunnelling methods
- Numerical modeling
- Rock reinforcement and ground improvement

## CHALLENGES IN ROCK MECHANICS

- Deep mining
- Landslides & other natural hazards, and their mitigation
- Petroleum reservoir engineering
- Underground space utilization
- Other peripheral issues

Papers highlighting scientific and technological developments, those with innovative and futuristic ideas, and those reporting new developments and modern trends will be included in the Proceedings of the Conference. The deliberations will be more in the form of discussions. Webcasting of the proceedings will be made available for registered delegates who could not be present in Bengaluru.

### **For more details, please contact :**

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