

Invitation

Following the success of the First International Conference on Rock Dynamics and Applications (RocDyn-1) in Lausanne Switzerland in June 2013 , the Second International Conference on Rock Dynamics and Applications (RocDyn-2) will be held in Suzhou China in May 2016. RocDyn-2 will be organised by the Institute of Rock and Soil Mechanics of Chinese Academy of Sciences, together with 4 other universities around the World.

Rock dynamics covers a huge scope of research to understand the dynamic behaviour of rock materials, rock joints and rock masses, including the initiation and the propagation of stress waves, the responses and the failures of rocks under the dynamic and static loads. It has wide applications in civil, mining, hydropower, petroleum engineering, including the new rock engineering applications such as shale gas, hot rock geothermal energy, and earthquake hazard management.

With extensive research conducted worldwide and increasing engineering projects applying rock dynamics, RocDyn-2 is organised to address scientific research as well as engineering applications.

RocDyn-2 organisers would like to welcome scientists, engineers and students involving in rock dynamic research and engineering practice to join us in Suzhou, to share our knowledge, to cooperate on researches, to advance rock dynamics and engineering applications.

Suzhou is an ancient city established over 2,500 years ago. The city is commonly regarded as a heaven on the Earth, and is well known for its landscape, history and culture.

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RocDyn-2 Advisory Committee
President, China Society for
Rock Mechanics and Engineering

LI Haibo, Chair
RocDyn-2 Organising Committee
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Second International Conference on Rock Dynamics and Applications (RocDyn-2)

“From Research to Engineering”

Suzhou, China
18-20 May 2016

Organised by

中国科学院武汉岩土力学研究所
INSTITUTE OF ROCK AND SOIL MECHANICS
CHINESE ACADEMY OF SCIENCES



Nanyang Centre for Underground Space (NCUS)



Department of Civil Engineering



Department of Civil Engineering



Laboratory of Rock Mechanics (LMR)

<http://www.rocdyn.org>

Conference Themes

RocDyn-2 is a specialised conference devoting to the discussion on rock dynamics and engineering applications. RocDyn-2 plans to highlight the current scientific research activities and engineering application challenges. The technical presentations will cover all the aspects related to rock dynamics and engineering applications. The topics ranges from mathematical and analytical methods, micromechanics constitutive relations, fracture dynamics, rate dependent properties, continuum and discontinuum numerical modelling, laboratory testing and observation, field measurements techniques, instrumentation and monitoring of dynamic response, multi-scale and multi-physics modelling, earthquake and induced seismology, explosion and blasting control, landslide and slope safety, rock block movement and impact structure design, rock fragmentation and excavation, support of rock tunnels and underground structures under earthquake and other dynamic loads.

Abstract Submission

Colleagues interested to participate RocDyn-2 are invited to submit abstracts on various aspects within the conference schemes. Abstract should be about 400 words long, with a title, authors' names, affiliations, and email addresses. Abstract should be submitted through conference website. Deadline for abstract submission is 30 August 2015. Further details are available at the RocDyn-2 website.

Keynote Speakers

Keynote presentations will be given by a number of distinguished speakers to lead the technical presentations and discussions. The keynote presentations will highlight some of the latest development in rock dynamic researches and rock engineering innovations. Details of the invited keynote presentations will be announced later.

Conference Organisation

RocDyn-2 will be organised by the Institute of Rock and Soil Mechanics of the Chinese Academy of Sciences, together with Nanyang Centre for Underground Space of the Nanyang Technological University in Singapore, Civil Engineering Department of Monash University in Australia, Civil Engineering Department of University of Toronto in Canada and Laboratory of Rock Mechanics at the Ecole Polytechnique Fédérale de Lausanne in Switzerland, and supported by an international organising committee. Details of the organisations can be found at the conference website.

Conference Program

RocDyn-2 program plans for 3 days of technical presentations and discussions, including meetings and other technical and social events.

	Day 1	Day 2	Day 3
Morning	Registration Presentations	Registration Presentations	Registration Presentations
Afternoon	Presentations	Presentations	Presentations
Evening	Welcome Reception	Culture Program	Banquet Dinner

Conference Venue

RocDyn-2 will be hold in Suzhou's university district. Suzhou was originally founded in 514 BC. The city is known for the gardens, pagodas, canals and stone bridges. The meticulously designed classical gardens in Suzhou are on UNESCO World Heritage Sites list.

Suzhou is by the Lake Taihu and about 80 km west of Shanghai. It can be reached from Shanghai easily by land transport. The high-speed train takes 30 minutes from Shanghai to Suzhou.