



INTERNATIONAL CONGRESS ON ROCK MECHANICS AND ROCK ENGINEERING

September 13 to 18, 2019 - Iguassu Falls - Brazil



ISRM

**ROCK MECHANICS
FOR NATURAL
RESOURCES AND
INFRASTRUCTURE
DEVELOPMENT**

**ONE CONGRESS,
ALL NATIONAL
GROUPS**

BULLETIN #2

CHAIRMEN MESSAGE

Dear fellow rock engineer

2019 will be a special year for the ISRM South America National Groups when the region welcomes the ISRM family for its 14th Congress. Brazil, Argentina and Paraguay will be the host countries for the event that is to be held in Foz do Iguassu, city that marks the common border amongst these countries. It is an honor to organize such a venue but it is also a great responsibility to maintain the tradition of memorable ISRM congresses.

The central theme of the Congress is Rock Mechanics for Natural Resources and Infrastructure Development, a theme much relevant and needed for the current stage of affairs in South America region. All ISRM regions are invited to share their experience in the theme. The technical program was established by an International Scientific Committee in order to attract different rock mechanics players as academicians, consultants, contractors and the contracting public service and should incorporate elements of ISRM Technical Commissions as well as regional issues.

On behalf of the Brazilian Rock Mechanics Committee, Argentinian Society of Geotechnical Engineering and Paraguayan Society of Geotechnics, we proudly invite you to join us in Foz do Iguassu.

Sergio Fontoura (General Chair of ISRM 2019)

José Pavón Mendoza (Co-Chair)

Ricardo Jose Rocca (Co-Chair)

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PAPER REVIEW COMMITTEE

The Committee is composed of 52 members representing 42 National Group. The complete list is indicated in the Congress website. Each National Group will appoint its own Review Committee.

PRELIMINARY SCIENTIFIC TOPICS

- » Blasting and rockbursts
- » Case histories in rock engineering
- » Characterization of faults and other geological features
- » Characterization of intact rocks and rock masses
- » CO₂ sequestration
- » Constitutive models in prediction of rock behavior
- » Containment and support structures
- » Coupled processes in rock mechanics
- » Crustal stress and earthquakes
- » Dams and foundations in rocks
- » Design of underground and open pit mines
- » Dynamic phenomena in rock mechanics
- » Education in rock engineering
- » Exploration and production of geothermal energy
- » Fluid flow and pore pressure in rocks
- » Fracture and damage of rocks
- » Geophysics and geology related to rock mechanics
- » Hazard and risk assessment in rock engineering
- » Hydraulic fracturing
- » In situ stress measurements and estimation
- » Instrumentation and monitoring
- » Laboratory and field testing and measurements
- » Mechanics of hard rocks
- » Mechanics of soft rocks
- » Natural and ancient stones preservation
- » Numerical and analytical modeling of rock phenomena
- » Ornamental rocks
- » Petroleum reservoir and well geomechanics
- » Rock heterogeneity and multiscale approaches
- » Rock mechanics data
- » Rock tunneling
- » Seismic behavior of rock masses
- » Slope stability and landslides
- » Underground Nuclear Power Plants
- » Underground Research Laboratories URL
- » Underground storage and radioactive waste disposal

PRELIMINARY PROGRAM

- 13/09/2019** Short courses | Workshops | ISRM board meeting
- 14/09/2019** Short courses | Workshops | ISRM board meeting
- 15/09/2019** Technical Commissions meetings | ISRM council meeting | Icebreaking and Technical Exhibition
- 16/09/2019** Opening Ceremony | Technical Sessions | Plenaries | Technical Exhibition
- 17/09/2019** Technical Sessions | Plenaries | Technical Exhibition | Rockbowl
- 18/09/2019** Technical Sessions | Plenaries | Technical Exhibition | Closing Ceremony
- 19/09/2019** Technical Visits

KEYNOTE SPEAKERS

NAME	COUNTRY	TITLE
Professor Daniel Francois Malan	South Africa	Innovative rock engineering solutions for deep tabular excavations
Dr. Erling Fjaer	Norway	The role of rock mechanics in oil field development
Professor Giovanni Barla	Italy	Conventional and Advanced Monitoring of Tunnels With Selected Case Histories
Dr. John Read	Australia	The Geotechnical Engineer in Metalliferous Open Pit Mines
Professor Laura Pyrak-Nolte	USA	Translating the Micro-scale to the Macro-scale: Signatures of Fracture Evolution
Professor Li Xiao	China	In-situ Computed Tomography Technique in Geomechanical Testing
Professor Tarcisio Celestino	Brazil	Engineering for Civil Underground Works in Soft Rock
Professor Yuzo Ohnishi	Japan	Advances in numerical approaches for coupled problems in rock mechanics and recent developments in related fields

IMPORTANT DATES

ACTIVITY	KEY DATE
Announcement of accepted abstracts	January 11th, 2019
Paper submission opening	January 14th, 2019
Paper submission deadline	March 18th, 2019
Disclosure of technical commission evaluation	May 17th, 2019
Final paper acceptance announcement	June 24th, 2019
Early registration deadline	June 28th, 2019
ISRM 2019	September 13th to 18th, 2019

REGISTRATIONS

CATEGORY	BEFORE 06/19/2019	AFTER 06/19/2019
Full	U\$ 850.00	U\$ 900.00
ISRM Members	U\$ 750.00	U\$ 800.00
Students	U\$ 100.00	U\$ 150.00
Retired and Early Career Professionals	U\$ 400.00	U\$ 450.00



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More information at <http://isrm2019.com>

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Become a sponsor of ISRM 2019. Access www.isrm2019.com and know the categories of sponsorship and the benefits of being a part of the congress.

Contact

Fill out the form available in www.isrm2019.com and receive news about the Congress.

Organization and Sale

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atendimento@mci-group.com

General Chairman

Sergio Fontoura
isrm.2019@puc-rio.br

VENUE

Bourbon Cataratas Convention & SPA Resort

Further details about the Hotel available at:

www.hoteisbourbon.com.br/en/cataratas

Rod. das Cataratas, km 2,5

Foz do Iguassu - PR - Brazil

165,000m² complete infrastructure

312 excellent rooms, convention area of 5,100 m²

14 meeting rooms, exhibition pavilion of 1,320 m²

FOZ DO IGUASSU CITY

For the first time, the ISRM congress will be held in South America. We invite you to attend the most important meeting of the Rock Mechanics and know the natural beauties of Brazil in 2019!

Foz do Iguassu is ideally located in the far west of Parana state, on the tri-point border of Brazil, Argentina and Paraguay, in the geographical center of Mercosul. Its ethnic and cultural diversity gives the city a rich and varied cosmopolitan feel.

One of the most important attractions and one of the world's seven natural wonders, the Iguassu Falls are located along the section of the Iguassu River that forms the border between Brazil and Argentina. Just 38 km away from the falls, is one of the seven wonders of engineering, the Itaipu Binacional Hydroelectric Plant, responsible for almost 20% of Brazil's electricity consumption and more than 90% of Paraguay's. It offers day and night tours, being possible to experience the perfect harmony between nature and manmade constructions.

Cuisine throughout the world is well represented in Foz do Iguassu. Refinement, quality and sophistication are present in the kitchens of large international hotels, charming restaurants and steakhouses. Always recognizing Argentinian wines and also tradition of the best cuts of beef.



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Promotion:



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of rock mechanics



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