

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 #1

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.

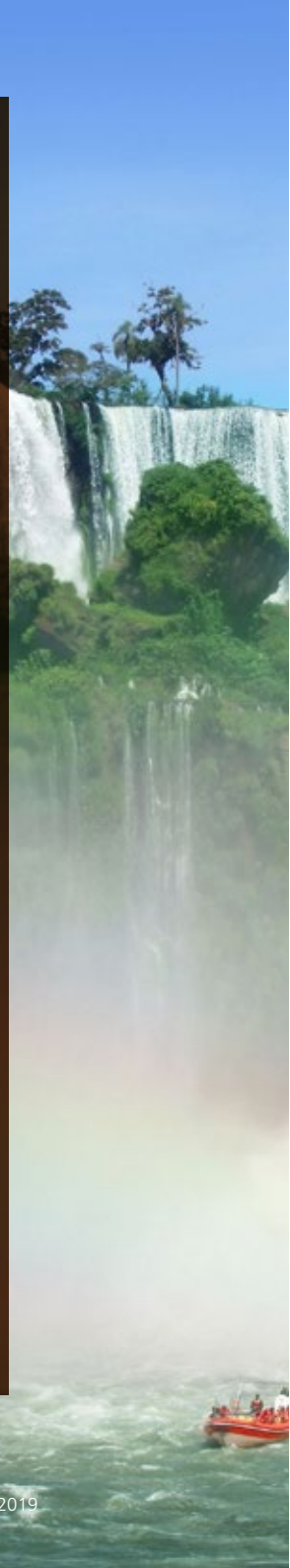
The central theme of the Congress is Rock Mechanics for Natural Resources and Infrastructure Development, a theme much relevant and needed for the current stage of most of the countries. All ISRM regions are invited to share their experience in the theme. The technical programme is being established by an International Scientific Committee in order to attract different categories of geotechnical professionals as academics, consultants, contractors, public companies and should incorporate issues of ISRM Technical Commissions.

On behalf of the Brazilian Rock Mechanics Committee, Argentinian Society of Geotechnical Engineering and Paraguayan Society of Geotechnics it is a great pleasure to announce the preparation for the 2019 ISRM International Congress and also to invite you to start getting ready to come and join us in Foz do Iguassu.

Sergio Fontoura (General Chair)

Ricardo Jose Rocca (Co-Chair)

José Pavón Mendoza (Co-Chair)



ORGANIZING COMMITTEE

General Chairman: Sergio Augusto Barreto da Fontoura (PUC-Rio - Brazil)

Co-chairmen: Ricardo Jose Rocca (UNC - Argentina) | José Pavón Mendoza (SPG - Paraguay)

Executive Secretary: Carlos Emmanuel Ribeiro Lautenschläger (PUC-Rio - Brazil)

Treasurer: Anna Luiza Ayres da Silva (USP - Brazil)

Secretary: Lilia Maria Cruz Metzger Raymundo (CBMR - Brazil)

ADVISORY COMMITTEE

Composed by the ISRM board members, this committee is in charge of the approval of key decisions about the event, deliberated at annual ISRM board meetings.

- » Eda Freitas de Quadros - ISRM President
- » Luis Lamas - ISRM General Secretary
- » Norikazu Shimizu - VP ISRM at large
- » Manchao He - VP ISRM at large
- » Petr Konicek - VP ISRM at large
- » Sergio Fontoura - VP ISRM South America
- » William Joughin - VP ISRM Africa
- » Seokwon Jeon - VP ISRM Asia
- » Stuart Read - VP ISRM Australasia
- » Doug Stead - VP ISRM North America
- » Charlie Chunlin Li - VP ISRM Europe

OVERSIGHT COMMITTEE

The members will be responsible for overseeing the activities of the other organization's committees. Among its activities are monitoring of financial statements, follow-up the tasks defined in the organization schedule and provide other committees an external view of the processes.

- » Alessandro Kormann - President of Brazilian Soil Mechanics Association (ABMS)
- » Lineu Azuaga Ayres da Silva - President of Brazilian Committee of Rock Mechanics (CBMR)
- » Ricardo Rocca - Secretary of the Argentine Group of Rock Mechanics (SAIG)
- » Jose Pavón - President of the Paraguayan Geotechnical Society (SPG)

OTHER COMMITTEES

The ISRM 2019 co-chairman Ricardo Rocca will direct the Scientific Committee, responsible for the technical matters of the event. The presidents of ISRM Technical Commissions and Joint Technical Commissions (ISRM, ISSMGE, IAEG and IGS) will compose this commission.

The Social Program Committee will be led by the ISRM 2019 co-chairman Jose Pavón. This committee will accompany the Organization of technical visits, dinners and cocktails together with MCI.

A Financial Committee was created to be responsible for the treasury of the event. The nominated president for this commission was Lineu Ayres da Silva (CBMR president). The members (in definition) will be in charge of the monitoring of fundraising by the MCI, organizer of the ISRM 2019.

Finally, the Industry Committee will be responsible for the contact between the organizing committee and the market of rock mechanics. Its members will be representatives from different areas of rock mechanics (Civil, Mining and Petroleum Engineering) and they should provide support for fundraising.

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

IMPORTANT DATES

ACTIVITY	KEY DATE
Abstract submission opening	July 4 th , 2018
Abstract submission deadline	September 12 th , 2018
Announcement of accepted abstracts	October 17 th , 2018
Paper submission opening	November 1 st , 2018
Paper submission deadline	January 27 th , 2019
Disclosure of technical commission evaluation	March 15 th , 2019
Final paper submission opening	March 16 th , 2019
Final paper submission deadline	April 19 th , 2019
Final paper acceptance announcement	May 24 th , 2019
Early registration deadline	June 19 th , 2019
ISRM 2019	September 13 th to 18 th , 2019

VENUE

Bourbon Cataratas Convention & SPA Resort

Further details about the Hotel available at:

www.hoteisbourbon.com.br/en/cataratas

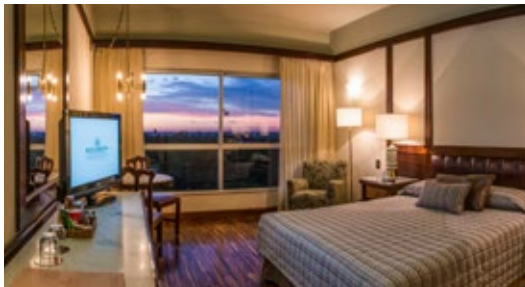
Rod. das Cataratas, km 2,5

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.



OTHER ATTRACTIONS NOT TO BE MISSED

Macuco Safari

An adventure trip along the Iguassu River, taking tourists to within a few meters of the spectacular waterfalls.

Bird Park

A zoo specializing in birds, where visitors are allowed to enter the aviaries and come into direct contact with over 900 birds, many of them in risk of extinction.

Itaipu Lake

One of the world's largest artificial lakes.



LEVITATUR OFFICIAL TRAVEL AGENCY

With the extensive experience in the event tourism market, Levitatur Viagens offers a complete advice for the organization of the trip of the congressmen residing in Brazil and abroad. Carrying from the planning and coordination of the client's air transportation, to the organization of the transfers of the main airports, lodgin, city tours or trips in tourist places before or after the event/congress. Levitatur Viagens counts on qualified and experience professionals, who always seek to provide a quality service, personalized and focused on customer satisfaction.



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SPONSORSHIP & EXHIBITION

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

MCI São Paulo

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atendimento@mci-group.com

General Chairman

Sergio Fontoura, isrm.2019@puc-rio.br

Promotion:



Institutional support:

BRAZILIAN
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CBT
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Organization:



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