

10TH INTERNATIONAL SYMPOSIUM ON FIELD MEASUREMENTS IN GEOMECHANICS

Brazil - Rio de Janeiro | 16-20 July, 2018

The 10th International Symposium on Field Measurements in Geomechanics | FMGM2018 as an acronym, will be held in the City of Rio de Janeiro, during 16-20 July, 2018. FMGM symposia has been held every four years since 1983, in Zurich, Kobe (1987), Oslo (1991), Bergamo (1985), Singapore (1999), Oslo (2003), Boston (2007), Berlin (2011) and Sydney (2015).

The program will include Special Lectures, Technical Presentations, Forum for Young FMGM Engineers, Poster Sessions, Exhibitions, Workshops and Technical Tours, as well as a parallel non-technical program.

The role of field performance measurements in the risks assessment and control of the natural geohazards and man-made failure in the design, construction and operation of engineered facilities, has become a fundamental issue in engineering practice.

The 10th FMGM will cover traditional and innovative themes and will give those interested in instrumentation and measurements an opportunity to meet to exchange ideas, experiences and, above all, to strengthen the concept relating security, economy and other social and welfare demands with field performance measurements.

This Symposium will promote inter-disciplinary insights, addressing topics related to human issues and to critical and smart infrastructure and construction, highlighting how the measurements of field performance can transform our understanding and management of infrastructure in densely populated cities and urban areas.

SYMPOSIUM THEMES

- » Slope stability.
- » Civil tunnelling.
- » Underground space.
- » Dam safety.
- » Foundation.
- » Emerging technology.
- » Case studies and field experiments.
- » Environmental monitoring.
- » Smart Infrastructure and Construction.
- » Remote system.
- » Project application.
- » Human factors in geo-instrumentation.

MAIN OBJECTIVES

- » Documents the state-of-the-art in instrumentation.
- » Explore risk management strategies.
- » Serve as a platform for transferring knowledge and insight from practitioners to researchers and vice-versa.
- » Promote fundamental and applied research into instrumentation.
- » Gain improved understanding of advancements in instrumentations.
- » Promote interest in the subject amongst early career researchers and students.
- » Provide an international platform for people involved in geo-instrumentation and field measurements: Researcher, practitioners, manufacturers and service providers.

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