3rd International Conference on Information Technology in Geo-Engineering

ICITG

Sep. 29-02 Oct., 2019, Guimarães, Portugal

Call for Abstratcs: https://ocs.springer.com/misc/home/ICITG2019

WELCOMING MESSAGE

by Prof. António Gomes Correia, Chairman of 3rd ICITG 2019

The 3rd International Conference on Information Technology in Geo-Engineering (3rd ICITG) is organised in the framework of the activities of the Joint Technical Committee 2 (JTC2) on Representation of Geo-Engineering Data of the Federation of International Geo-Engineering Societies (FedIGS). FedIGS, is an umbrella organization linking international professional societies in the field of "Geo-Engineering": ISSMGE International Society for Soil Mechanics and Geotechnical Engineering, ISRM International Society for Rock Mechanics and Rock Engineering, IAEG International Association for Engineering Geology and the Environment, IGS International Geosynthetics Society.

This conference aims to address the most updated developments in information communication and technologies in geo-engineering. It covers the application to laboratory and field tests, as well as the monitoring and survey of geo-structures. It embraces also intelligent geomaterials, intelligent construction and all the related aspects with design, construction and maintenance of geo-structures.

On behalf of the organizing committee I am honoured to invite you to the 3rd ICITG in the City of Guimarães, UNESCO World Heritage (September 29 – October 2, 2019).

The main themes of the conference include:

1. Data exchange (including ownership/legal aspects)
2. Use of Information and communications technologies (ICT) in laboratory and field works
3. Big data and databases
4. Data mining and data science
5. Imaging technologies
6. Building information modeling (BIM) applied to geo-structures
7. Artificial intelligence
8. Intelligent constructions
9. Optimization systems
10. Virtual reality and augmented reality
11. Intelligent geo-synthetics and health systems
12. Sensors and monitoring
13. Asset management
14. Case studies in design, constructions and maintenance