



**ISSMGE FOUNDATION
REPORT ON CONFERENCE ATTENDANCE**

Your Name: Celeste Jorge	Your Organization: LNEC – Laboratório Nacional de Engenharia Civil, Lisboa, Portugal	Date of report: June 22 ^{sd} 2017
Conference Title: GEO-RISK 2017 - Geotechnical Risk from Theory to Practice	Location of Conference: Denver, Colorado USA	Dates of Conference: <i>June 4-7</i>
What you learned: I learnt a lot of things related with the uncertainty in geotechnics. I discovered also that my work, published in 1993 - https://www.researchgate.net/publication/274311626_Zonamento_do_Potencial_de_Liq_ufacao_Tentativa_de_Aplicacao_a_Portugal and https://www.researchgate.net/publication/274311211_Zonamento_do_Potencial_de_Liq_ufacao_Tentativa_de_Aplicacao_a_Portugal is more updated, that I thought. As the work presented in my communication to GEO-RISK 2017 is more innovative, as practical work and case study, than I also thought.		
People you met: Olatokunbo M. Ofuyatan, from Nigeria. Sónia Marques, from Portugal. Lulu Zhang (Shangai), Kok-Kwang Phoon (Singapore), Jianye Ching (Taiwan), and others from Asia. Ana Teixeira, from Netherland. And others symposium participants (from USA; EU – France, Italy, Spain; Asia, etc.) that I cannot remember their names. I suggest to the GEO-RISK 2017 organization, the production of a list of participants with the respective email address for make easier the potential contacts.		
Main features of conference: The conference treated the Geo-hazards and the engineering solutions to approach them, in the most different important aspects related with the way to deal with the uncertainty of these more or less natural events and with the contribution of geological conditions and their appropriate characterization and treatment, to produce better geotechnical designs and to give better conditions of foundation support to the structures and infrastructures.		
Your comments on the conference: In my opinion, the theory presented must in the reality to be applied in practice. I saw a lot of theory, but I hope the application to case studies is the next step. There are a lot to do and to apply, to better understand in practice what it is totally intuitive in theory. In my case, the communication presented is the application of all theories found in the literature of geo-hazard zonation and in several simpler case studies. The work presented is what is more similar to a risk assessment, that allows to produce a visual element as a map. That map is the result of a study that had in account the type of land use and the structures and infrastructures features implanted in the territory, with specific geomorphological, geological and geotechnical features – a map of suitability for construction.		



Please attach short report (maximum 400 words) suitable for publication in the ISSMGE Bulletin:

The 6th International Symposium on Geotechnical Safety and Risk, GEO-RISK 2017 – Geotechnical Risk from Theory to Practice, occurred in Denver, Colorado, between June 4th to 7th, with the presence of several hundreds of participants.

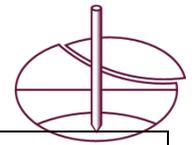
The subjects of the symposium were: Spatial Variability and Site Characterization; Uncertainty Relating to Geotechnical Properties, Models and Testing Methods; Probabilistic Characterization of Soil Properties; Bayesian Probabilistic Asset Management Protocol; Reliability Analysis; Geotechnical Risk Assessment and Management; Risk Assessment for Landslides; Risk and Reliability Assessment of Slopes; Slope Failure and Landslides; Geotechnical Risk Seismic Risk Assessment; Liquefaction Assessment and Mitigation; Methods for Eurocodes; Load and Resistance Factor Design; Assessment for Tunnelling; Risk Assessment and Management of Dams, Levees and Dikes.

The first day was characterized by the occurrence of four short courses. At 5:00 pm started officially the Symposium, with the Welcome keynote Suzanne Lacasse Lecture – “Bayesian Thinking in Geotechnics” (Figures 1 and 2). This presentation was given by G.B. Baecher, and was following by the Exhibit Hall Open and by the Reception with the Exhibitors. Between 8:00 and 10:00 pm occurred the 19th ICSMGE Organizing Committee and the ISSGME Technical Committee meetings (TC 304/TC 205) (Figure 3).

In the second day, the works started with the Opening Keynote Wilson Tang Lecture – “Future Directions in Reliability-Based Geotechnical Design”, that it was given by G.A. Fenton. This Keynote Lecture was followed by the Concurrent Technical Sessions. After lunch, others two Keynote Lectures were befallen. The first one was given by D.E. Becker, in the theme – “Geotechnical Risk Management and Reliability Based Design: Lessons Learned”. The second one was given by B. Simpson, in the theme – “Robustness and Eurocode 7”. The Keynote Lectures were followed by the Concurrent Technical Sessions. At night, occurred the Awards Dinner.

The third day started with the Graduate Student Research Competition, with the distinction award of the best scientific work. This competition was followed by two Keynote Lectures given by S.G. Vick and J.W. France, respectively in the themes “Dam Safety Risk: From Deviance to Diligence” and “Risk Analysis is Fundamentally Changing the Landscape of Dam Safety in the United States”, there were followed by the Concurrent Technical Sessions. In the afternoon, others two Keynote Lectures were happened. The first one was given by C.H. Juang, in the theme – “Assessing Soil Liquefaction and Effect Using Probabilistic Methods”. The second one was given by A.W. Stuedlein, in the theme – “Performance of Structures Founded in Spatially-Variable Soil: A Probabilistic SSI”. The Keynote Lectures were followed by the Concurrent Technical Sessions.

In the last day, June 7th, were done the Technical Tours.



Photographs from Conference: Insert here or attach to email



Figure 1 – June 4th – Opening session by D. Vaughan Griffiths, the Chair of the Geo-Risk 2017 Symposium, before Welcome Keynote Suzanne Lacasse Lecture, in the Aspen Ballroom.



Figure 2 – June 4th – General appearance of the Aspen Ballroom on the opening session.

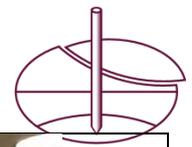


Figure 3 – June 4th – Meeting of TC 304 with TC 205 of ISSMGE