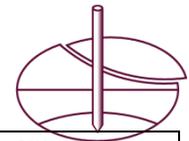


**ISSMGE FOUNDATION
REPORT ON CONFERENCE ATTENDANCE**

Your Name: Diana Martins Marques	Your Organization: Mota-Engil Central Europe S.A.	Date of report: 14/09/2016
Conference Title: 3 rd International Conference on Transportation Geotechnics	Location of Conference: Guimarães, Portugal	Dates of Conference: 4 to 7 September 2016
What you learned: Considering that I'm a young engineer and that my work is related with transportation geotechnics there was a lot to learn in attending this conference. There were several innovative technologies and successful practical cases which in my opinion can in the future be useful for other places in the world with similar soil conditions.		
People you met: I had the chance to meet several interesting people, who have significantly contributed to increase the general knowledge about geotechnics. I had the opportunity to meet the President of the ISSMGE, Professor Roger Frank, which was an honour for me.		
Main features of conference: The conference was held in Guimarães, Portugal, at the Cultural Centre of Vila Flor. The conference was divided in Honour lectures, Keynote lectures, Theme lectures and Special Lectures. There was a poster Session as well.		
Your comments on the conference: The conference was really well organized. The chairmen managed the topics very well.		



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

The 3rd International Conference on Transportation Geotechnics was held in Guimarães, Portugal. The conference was divided in Honour, Keynote, Theme and Special Lectures and Poster Sessions.

The conference included 182 papers from 50 countries. All of them focused in a better understanding and improvement of geotechnics of roads, railways, airports, harbours and other ground transportation infrastructure.

It was clear during the conference that the geotechnical community is working hard to find better solutions to use construction and recycled materials in several infrastructures, combining several factors such as safety, economical and sustainability, in order to fit the growing requirements of infrastructure around the world. Sustainability and environment are getting more and more important day after day due to the well-known consequences of climate changes and others related. Considering this, I think it is evident that these points will represent the future challenges of the young engineers around the globe.

I would like to highlight some presentations which, among many others, I especially liked.

The paper presented by Doctor Rasouli, from Japan, about *Controlled Curved Drilling Technique in the Permeation Grouting Method for Improvement Works of an Airport in Operation* was for me very impressive once they had to improve the soil against liquefaction, which is not an easy task. The methodology, permeation grouting of chemicals to the liquefiable ground, was accompanied by a detailed monitoring system.

Another paper which I really appreciated was presented by Dr. Pinto, from Portugal, and it was about *Ground Improvement with Jet Grouting Solutions at the New Cruise Terminal in Lisbon, Portugal*. The presentation was really engaging since the goal was to build an embankment on a soft muddy alluvium layer with an average thickness of 20m. All studies, analyses and designs performed were a real big challenge which ended magnificently.

The last presentation that I would like to highlight was presented by Doctor Soungyu, from China, about *A New Combined Vacuum Preloading with Pneumatic Fracturing Method for Soft Ground Improvement*. The technology presented consists in combining vacuum pumps, PVDs, horizontal drain pipes with a pneumatic fracturing system which will increase the permeability and consequently accelerate the consolidation. The author also presented a successful case study.

Last, but not the least, I would like to thank the ISSMGE Foundation Awards Committee and Mota-Engil Central Europe S.A. for giving me the opportunity to attend this conference, which was assuredly very enriching from the professional point of view.

Photographs from Conference: Insert here or attach to email



Opening Ceremony. Conference Chairman speech - Professor António Gomes Correia.