

## **PARTICIPATION REPORT TO THE FIFTH INTERNATIONAL YOUNG GEOTECHNICAL ENGINEER'S CONFERENCE AND THE 18<sup>TH</sup> INTERNATIONAL CONFERENCE ON SOIL MECHANICS AND GEOTECHNICAL ENGINEERING.**

### **1. Introduction**

My article talking of optimization of the calculation of pavement in the tropics, was nominated for publication in the proceedings of the international conference of young geotechnical engineers, and an oral presentation. At the same time, I was invited to the 18th International Conference on Soil Mechanics and Geotechnical Engineering.

Living in developing countries (SENAGAL) where scientific research is not well developed to receive subsidies even less in the field of geotechnical engineering, I received a grant from the International Society of Soil Mechanics and geotechnical engineering to participate in both events. I had acquired aware of these two events a wide range of experience but also an open mind in the geotechnical world.

### **2. Short presentation of my article**

Road engineering in tropical and desert countries is a difficult technique. In these areas, any problem road is practically a new problem with a specific character.

We have proposed to study the CBR in relation to other soil identification parameters. We obtained three formulas of prediction of CBR function of other parameters. These formulas are detailed in the article.

### **3. Theoretical experiences gained.**

Starting from slope stability, in laboratory testing, ground improvement, foundations, modeling, earthworks, tunnels and underground structures, in-situ testing, soil behavior and earthquake geodynamics, retaining structures to monitoring, it is a largemouth knowledge in geotechnical engineering that was served to me. Before and after my presentation, I had to attend a few and especially in the field of earthworks.

I had to make important contacts that will help me in the future likely to develop my skills in the geotechnical engineering field but also to orient myself in the research. Among these contacts, they are people of Albanian, Taiwan, Iran etc. There were 164 participants consisting in 57 countries. We had to gather some advice from Mr. YU JUN CUI which made us understand that in the research; try to know the why of things especially for those who are engaged in the correlations between parameters.

### **4. Practical experiences gained.**

During the 18th conference, we had to discover a wide range of materials, devices geotechnical measurements which we never got to meet and especially automatic odometer that automatically loads and traces curves being test. This device is very interesting because we lose a lot of time with this test in our country. We had also discovered the pressuremeter designed by Jean Louis BRIAUD a pressuremeter that we have still ignored the existence. Case presentation by some professors has a lot informed us regarding the scope of geotechnical engineering.

### **Conclusion**

Participation in these events has been of paramount importance in our careers of young geotechnical engineers. With that, we thank the ISSMGE for helping us to attend and participate. The next edition is scheduled in Korea in 2017 by then we are more motivated than ever to present studies of interesting and innovative research and whether the means allow us we will develop devices and methods of measurement.

