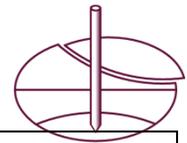


**ISSMGE FOUNDATION
REPORT ON CONFERENCE ATTENDANCE**

<i>Your Name:</i> K.Geetha Manjari	<i>Your Organization:</i> Indian Institute of Science, Bangalore	<i>Date of report:</i> 24 th June, 2017
<i>Conference Title:</i> Geo-Risk 2017 : Geotechnical risk from theory to Practice	<i>Location of Conference:</i> <i>Denver, Colorado, USA</i>	<i>Dates of Conference:</i> 4-7 June, 2017
<i>What you learned:</i> GEO-RISK 2017 conference was a conglomeration of eminent researchers, geotechnical practitioners and top leaders in the industry from all over the world. The conference had two prestigious lectures (Suzanne Lacasse lecture and Wilson Tang lecture) and six keynote lectures and all the presentations were invigorating and thought-provoking. These talks covered various aspects on Bayesian methods, Risk Management, LRFD (Load and Resistance Factor) based approach for the development of Eurocode 7 and Reliability- Based Geotechnical design in dam safety, soil liquefaction, land-slides and spatially variable soils. As my area of research is close to implementing probabilistic methods for contaminant migration into the geo-sphere and estimate the reliability of the system, these presentations gave me an in-sight on the upcoming techniques developed in this area and also implementing them in my work. The two days of jam-packed technical sessions demonstrated the applications of various probabilistic methods in the field of geotechnical engineering. Also I had an opportunity to interact with Professor A. H. Soubra, on my research work and also got some suggestions in using Sparse Polynomial Chaos Expansion (SPCE) in spatially variable soils.		
<i>People you met:</i> I had an opportunity to meet delegates, researchers, leaders from the industry and academicians around the world Prof. DV Griffiths - Colorado School of Mines Prof. Limin Zhang - Hong Kong University of Science and Technology Associate Prof. Armin W. Stuedlein - Oregon State University Prof.Ahmed Soubra -Universite de Nantes, France Dr. Anand Govindaswamy - Principal Engineer, Geocomp, Boston Mr. Girish Kumar – University of Illinois, Chicago		

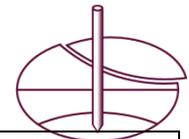


Main features of conference:

The conference, “GEO-RISK 2017, Geotechnical Risk from theory to practice”, included short courses, keynote lectures, awards ceremony (for honouring the talent in Geotechnical safety and Risk), technical sessions and technical tours and they were well-organised. The prestigious “Suzanne Lacasse Lecture” was delivered by Prof. Gregory B Baecher and the “Wilson Tang lecture” was delivered by Prof. Gordon A Fenton. These lectures were very useful and gave an understanding on the recent advances in the Bayesian methods and Reliability based design methods. There were exclusive sessions on some of the interesting topics like: Reliability-and risk-based code developments, Practice of risk assessment and management in all fields of geo-engineering, Advances in geotechnical Reliability Based Design, Uncertainty relating to geotechnical properties, models and testing methods and, the Emerging Topics. Some of the top leaders from the industry like Dennis E. Becker from Golder Associates Ltd, Brian Simpson from Arup Geotechnics, John W. France from AECOM presented the significance of risk analysis and management in geotechnical engineering. Also, many companies exhibited their equipment that provided solution for geotechnical design problems.

Your comments on the conference:

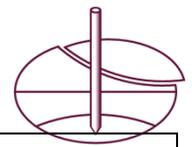
GEO-RISK 2017 was a well-organised three-day conference. They invited top-researchers, practicing engineers, and top leaders in the industry from all over the world to share their experiences on latest advances and engineering innovations using risk and reliability based design methodologies in geotechnical engineering. The invited keynote lectures were enlightening. Around 160 high quality papers were selected for presentation and the two-day concurrent technical sessions were conducted smoothly. This conference gave an exposure on the quality of research work carried out in this field globally. The three-day events of the conference were handled very well by the organizers. I would like to thank the organising committee for giving me an opportunity to present my work. Also, I am grateful to “ISSMGE Foundation” for their generous financial assistance that helped me attend the conference.



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

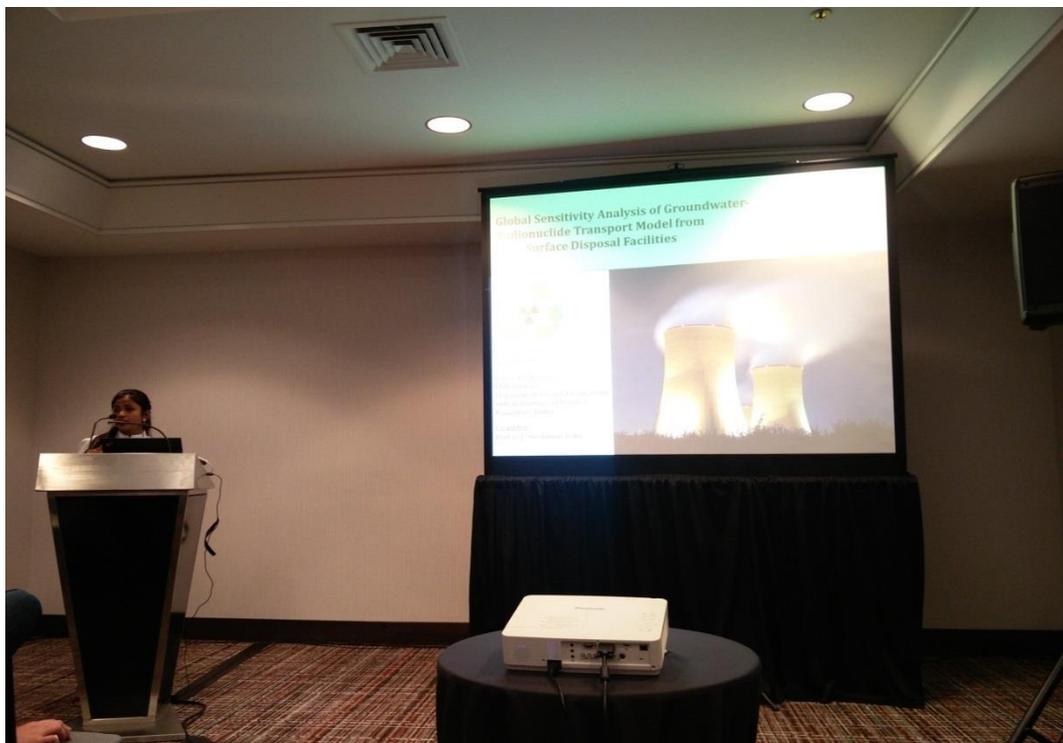
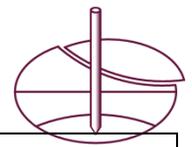
GEO-RISK 2017, Denver, Colorado, USA, 4th to 7th June 2017. The theme of the conference is “Geotechnical Risk from theory to practice” and it mainly focused on demonstrating the emerging engineering-practice innovations by adopting the probabilistic and risk methodologies in geotechnical engineering.

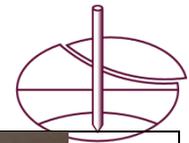
The Risk Assessment and Management committee of Geo-Institute (GI) ASCE, organised the conference. On 4th June, short courses were conducted on very interesting topics like Bayesian analysis and reliability updating, risk assessment, reliability based design in geotechnical engineering. Later, the conference started with a welcome keynote, the prestigious “Suzanne Lacasse Lecture” was delivered by Prof. Gregory B Baecher on “Bayesian thinking in Geotechnics”. The next day, “Wilson Tang lecture” was delivered by Prof. Gordon A Fenton on “Future Directions in Reliability-Based Geotechnical Design”. These two lectures were one of the highlights of the conference. The events on 5th June and 6th June were mainly the keynote lectures and concurrent technical sessions. They also invited practicing geotechnical engineers from some of pioneering firms in the world to understand the challenges that they face in the field and also the significance of using probabilistic methods to overcome these problems. The keynote lectures by Dennis E. Becker from Golder Associates Ltd, Brian Simpson from Arup Geotechnics, John W. France from AECOM addressed the importance of risk assessment and reliability based design with project examples. They gave an understanding on the recent advances in the Bayesian methods and Reliability based design methods. Around 160 papers were selected for presentation under different themes. The two-day technical sessions had high quality presentations covering wide variety of probabilistic methods implemented in geotechnical engineering. I attended some interesting sessions on Reliability-and risk-based code developments, Practice of risk assessment and management in all fields of geo-engineering, Advances in geotechnical Reliability Based Design, Uncertainty relating to geotechnical properties and also had an opportunity to present my paper under one of these themes. The sessions were maintained on-time and all the above events were well organised. There was also an opportunity to interact with some of the eminent professors and practicing engineers during the conference. It was a great experience to not only attend but also present in this conference and I sincerely thank ISSMGE foundation for giving me this opportunity.



Photographs from Conference:







G-1 **GEO-RISK 2017**
Geotechnical Risk from Theory to Practice
Denver, Colorado | June 4-6

6th International Symposium on Geotechnical Safety and Risk (ISOSR)

WELCOME TO GEO-RISK 2017 CONFERENCE

Schedule at a Glance

Sunday, June 4

7:00 a.m. - 6:30 p.m.	Registration Hours
8:00 a.m. - 4:30 p.m.	Short Courses
8:00 a.m. - 4:00 p.m.	Exhibitor Move In
5:00 - 6:00 p.m.	Welcome Keynote Suzanne Lacasse Lecture
6:00 - 8:00 p.m.	Exhibit Hall Open
6:00 - 8:00 p.m.	Reception with Exhibitors

Monday, June 5

7:00 a.m. - 6:30 p.m.	Registration Hours
8:00 a.m. - 6:00 p.m.	Exhibit Hall Open
9:00 - 10:00 a.m.	Opening Keynote Wilson Tang Lecture
10:00 - 10:30 a.m.	Morning Networking with Exhibitors
10:30 a.m. - 12:00 p.m.	Concurrent Technical Session
12:00 - 1:30 p.m.	Lunch with Exhibitors
1:30 - 2:30 p.m.	Keynote Lectures
2:30 - 4:00 p.m.	Concurrent Technical Session
4:00 - 4:30 p.m.	Afternoon Networking Break with Exhibitors
4:30 - 6:00 p.m.	Concurrent Technical Session
6:30 - 9:30 p.m.	Conference & Awards Dinner

Tuesday, June 6

7:00 a.m. - 5:00 p.m.	Registration Hours
8:00 a.m. - 4:30 p.m.	Exhibit Hall Open
9:00 - 10:00 a.m.	Keynote Lecture
10:00 - 10:30 a.m.	Morning Networking with Exhibitors
10:30 a.m. - 12:00 p.m.	Concurrent Technical Session
12:00 - 1:30 p.m.	Lunch with Exhibitors
1:30 - 2:30 p.m.	Keynote Lectures
2:30 - 4:00 p.m.	Concurrent Technical Session
4:00 - 4:30 p.m.	Afternoon Networking Break with Exhibitors
4:30 - 6:00 p.m.	Concurrent Technical Session

Wednesday, June 7

9:00 a.m. - 1:00 p.m.	Technical Tours
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