

Third Dr. Victor De Mello Goa lecture organized by IGS Goa chapter and ISSMGE TC107 Symposium on "Laterites & Lateritic soils" organized by IGS Goa chapter

The 3rd Dr. Victor de Mello Goa lecture was organised by Civil Engineering Department of Goa Engineering College and IGS Goa Chapter on 20th September 2019 at New Civil Annex building, Goa College of Engineering, Farmagudi. This lecture titled "Static and Seismic pile foundation design by load tests and experimental methods" was delivered by Prof. Pedro Simao Seco E Pinto, Professor, University of Coimbra, Portugal. In his lecture, Professor introduced Eurocode 7 - Geotechnical design and Eurocode 8 on design of structures for earthquake resistance. He presented two case studies related with pile design of new Tagus bridge and Leziria bridge. Prof. Pinto also presented information of ISSMGE to the audience. Prof. Purnanand Savoikar presented the life sketch of Dr. Victor de Mello.

The programme was inaugurated by Er. Anil Counto, Chairman and Managing director of M/s Alcon Enterprises. A Memorandum of Understanding was signed between Goa College of Engineering Farmagudi and M/s Alcon Enterprises on this occasion. Annual prize of IGS Goa chapter for scoring highest marks in the subject of Geotechnical Engineering was awarded to Shri. Deeptesh Morajkar, a student of Don Bosco College of Engineering, Farmagudi. In his speech, chief guest Engr. Anil Counto gave a valuable suggestion of starting Laterites and lateritic soil centre, which shall carry out research on lateritic soils.

Invited theme key note lecture was delivered by Prof. M. R. Madhav, Professor, IIT Hyderabad and Emeritus Professor, JNTU on the topic "Geotechnical challenges - Case Studies". He presented case studies which highlighted the challenges faced by Geotechnical engineers and how engineers can make possible safe geotechnical structures in very difficult circumstances.

The programme was compered by Prof. Smita Aldonkar. Prof. Purnanand Savoikar, formally welcomed the gathering. Prof. K G Gupta presented the department activities. Prof. Pedro Pinto and Prof. E C Shin also spoke on the occasion. Dr. Nisha P. Naik proposed vote of thanks.

ISSMGE TC107 Symposium on "Laterites and lateritic soils" was inaugurated by Prof. E. C. Shin, Professor Incheon University, Korea in the presence of TC107 Committee members - Dr. R. Shivashankar, Professor, NIT Surathkal, Dr. Joshua Omer, Kingston University, London, Prof. J. Jayamohan, Professor, LBSITW, Trivandrum and Dr. Purnanand Savoikar, Professor, GEC and Prof. Deepankar Choudhury, Professor IIT Bombay - member of TC207. Prof. Deepankar Choudhury mentioned how TC107 and TC 207 are interconnected and said collective programmes could be organized in the future. Prof. E. C. Shin, Professor Incheon University, Korea delivered inaugural keynote lecture on "Use of weathered granite soil for construction of earth structures". He presented about retaining walls made with connected bags of weathered granite soil resting on gabion layer. Case studies were presented on "seismic analysis of foundation systems" by Professor Deepankar Choudhury, Chair Professor IITB in his invited keynote address. Professor R. Shivashankar delivered keynote lecture on "Laterite soils: properties and problems" highlighting slope stability problems and erosion issues in lithomargic clays. A number of case studies involving geotechnical

challenges were presented by him. Professor Joshua Omer, Kingston University London delivered invited keynote lecture on "Use of artificial neural networks and CPT data to assess influence zone around pile base. In his lecture, case studies using ANN networks to predict pile capacity and its validation with field studies were presented.

Dr. Jayamohan delivered keynote lecture on "Lateritic soils: Some research studies and some case studies". He highlighted on an important aspect on how behaviour of laterites is different from conventional soil mechanics. Case studies of failure of retaining walls were presented. Prof. Jaykumar Shukla presented a number of case histories in his keynote lecture as also Dr. Purnanand Savoikar in his keynote lecture on "Soils in Goa - Geotechnical properties, problems and solutions" presented case studies of lateritic soils in Goa.

Twenty-four full length technical papers were received in this symposium, out of which 16 were presented in two technical sessions. The papers were presented in two themes namely laterites and lateritic soils and other problematic soils. Two parallel sessions were held for paper presentation. He paper on lateritic soils in Goa authored by Prof Tanvi Mardolkar and Leonardo Souza and on other problematic soils by Dr. Vinod Mauriya and Satish Yadav were adjudged s the best papers.

Dr. KrupaShankara M.S., Principal of Goa College of Engineering Farmagudi was the chief guest for the valedictory function and Er. Ravikiran Vaidya, Principal, Geodynamics was the guest of honour. Dr. Nisha P. Naik welcomed the gathering and presented a brief about the two day event. Prof. E C Shin, Prof. Joshua Omer, Er. Karthikeyan, Er. Madhav Kamat Ms. S Vibha expressed their feedback about the symposium. Er. Ravikiran Vaidya and Dr. Krupashankara M S. also spoke on the occasion. Prof. Purnanand Savoikar proposed the vote of thanks.









