

Organizing Committee

Advisory Committee

Dr. Shinji Sassa, Chairman, TC 213, ISSMGE

Prof. P.V.G.D. Prasad Reddy, Vice Chancellor, Andhra University

Prof. G.L. Sivakumar Babu, IISc., Bangalore, President, IGS

Prof. J.T. Shahu, IIT Delhi, Secretary, IGS, Delhi

Prof. M.R. Madhav, AICTE-INAE Dist. Visiting Professor, IIT Hyderabad and JNTU Hyderabad.

Prof. Peri Srinivasa Rao, Principal, Andhra University College of Engineering

Prof. T.V. Praveen, HoD, Dept. of Civil Engineering, Andhra University College of Engineering

Coordinator:

Prof. C.N.V. Satyanarayana Reddy

Member of TC 213, ISSMGE

Andhra University, Visakhapatnam, India

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Member of TC 213, ISSMGE

Consulting Engineer, Ground Engineering – Geosynthetics, Reinforced Soil structures, Pavements

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QR Code for Registration

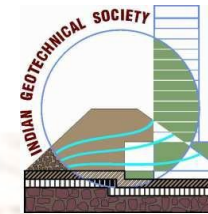


ISSMGE TC 213 Workshop On SCOUR AND EROSION (December 16, 2020)

Organized by



International Society for Soil Mechanics and
Geotechnical Engineering
and



Indian Geotechnical Society, New Delhi
in association with



ISO 9001-2015 Certified

Department of Civil Engineering
Andhra University College of Engineering
Andhra University, Visakhapatnam -530 003
Andhra Pradesh, India

About ISSMGE Technical Committee 213

The technical committee was initiated by International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) to discuss scour processes and countermeasures in the geotechnical community, a topic that was covered conventionally primarily by hydraulic engineers and scientists. The committee encourages hydraulic and geotechnical engineers to study the mutual effects of surface, subsoil and pore water.

TC 213 was termed as TC 33 "Scour of Foundations" in 1997 by ISSMGE President Prof. Ishihara with Prof. Jean Louis Briaud as the founder chair. Later, in 2001, the technical committee was renamed as "Geotechnics of Soil Erosion" to broaden the scope to include subjects such as surface erosion, internal erosion in dams, etc. Subsequently, the name of the Technical Committee was changed as "Scour and Erosion" in 2010. The TC functions with a chair, vice chair and 36 nominated members from Germany, Japan, Italy, China, US, UK, India, Hong Kong, Turkey, Spain, Portugal, Canada, Netherlands, Brazil, Belgium, France, New Zealand, Australia, South Korea and Sweden.

About Workshop on "Scour and Erosion"

Indian Geotechnical Conference (IGC) 2020 is being organized by Indian Geotechnical Society Visakhapatnam chapter in association with Department of Civil Engineering of Andhra University College of Engineering, Visakhapatnam during December 17-19, 2020. The present ISSMGE TC 213 Workshop on "Scour and Erosion" is planned as the preconference workshop on **16th December 2020**. In view of the prevailing COVID-19 pandemic situation, the workshop will be organized in online mode. India has long coast line and varied topography and is experiencing the problems of beach erosion caused by sea waves, scouring of river/canal banks and subsoil erosion during cyclone induced heavy rainfall and active monsoon period. Hence, the proposed workshop has great significance as it helps in drawing the attention of the authorities to understand the potential mechanisms and causes for scour and erosion of soils and take appropriate measures for their mitigation.

Visakhapatnam is a coastal Indian city and is plagued with the problems of beach erosion, subsoil erosion due to presence of erodible soils in certain areas, in particular in hill slopes. Hence, the workshop is planned with expert lectures by eminent academicians and practicing engineers from India and abroad to address the various issues related to sea erosion, river erosion and subsoil erosion caused by surface and subsurface flow of water. The suitability of various erosion and scour protection structures such as Groins, Geotubes, Gabion structures, etc. for beach erosion issues and Geobags, Gabion/ Geocell mattress systems will be discussed during the workshop. The workshop is intended to create awareness and expose the civil engineering professionals to the causes for soil erosion / scour and impart knowledge on various mitigation methods. It is expected that the deliberations of the event will be useful for tackling problems of scour and erosion not only in India, but also in all parts of the world susceptible to such problems. The workshop addresses the issues of coastal and river scour and erosion, surface/sub-surface erosion of soils and deals with the remedial measures to be adopted to control scour and erosion.

Registration

There is no Registration fee. The interested academicians, practicing engineers, research scholars and PG students of civil engineering should register for the workshop by 12th December 2020 using the link given below or QR code provided in the brochure.

Link for registration: <https://forms.gle/HddmN5hTY4PpPFEZ6>

Workshop Schedule

16 December 2020 (Wednesday)

Inaugural Function: 9.00a.m-9.20a.m (IST)

Name of the Speaker	Details of Lecture
Dr. Shinji Sassa Chair- TC 213, ISSMGE Head of Soil Dynamics Group and Research Director, International Research Center for Coastal Disasters, PARI, National Institute of Maritime, Port and Aviation Technology, Japan.	9.20-10.00 a.m (IST) Mechanics and Countermeasures of Scour and Internal Erosion: Tsunami/Wave-Seabed-Structure Interaction
Prof. Jie Han Glenn L. Parker Professor of Geotechnical Engineering Department of Civil, Environmental and Architectural Engineering, The University of Kansas, Kansas, USA	10.10-10.50 a.m (IST) Pile Behavior under Scoured Conditions
Prof. Eun Chul Shin Vice-President for Asia, ISSMGE Incheon National University, Incheon, South Korea.	10.40a.m-11.20 a.m (IST) Construction and Design of Geotextile Tube for Shore Protection
Prof. M.R. Madhav AICTE-INAE Dist. Visiting Professor, IIT Hyderabad & JNTU, Hyderabad, India	11.30a.m-12.10p.m (IST) Examples, Limitations of Scour Estimation and Mitigation
LUNCH BREAK	
Prof. V. Sundar Emeritus professor, Department of Ocean Engineering. IIT Madras, Chennai -600 036, India	2.00 p.m-2.40 p.m (IST) Sustainable Hard and Soft Measures for Coastal Protection
Mr Albert Lim Lum Kong Regional Manager M/s. TenCate Geosynthetics Asia Sdn Bhd., Malaysia	2.50 p.m-3.30 p.m (IST) Geotube Containment System for Shoreline Protection and Land Reclamation
Mr Paolo Di Pietro DT Senior Specialist - Corporate Technical Division Technical Education & Know-How Manager M/s. Maccaferri Geosynthetics, Italy	3.40 p.m-4.20 p.m (IST) Erosion Control Solutions with Case Studies
Prof. C.N.V. Satyanarayana Reddy Department of Civil Engineering A.U. College of Engineering, Andhra University Visakhapatnam – 530 003, India	4.30 p.m-5.00 p.m (IST) Issues Related to Erosion and Effects on Stability/safety of Structures in Visakhapatnam
Dr. M.G. Muni Reddy Assoc. Prof., Department of Civil Engineering A.U. College of Engineering, Andhra University Visakhapatnam – 530 003, India	5.00 p.m -5.30 p.m (IST) Coastal Sediment Dynamics and Beach Erosion-Alternative Solutions

Valedictory Function: 5.30p.m-5.45p.m (IST)