

A PRE-CONFERENCE WORKSHOP OF GEOTECH ASIA 2025

PORTUGAL – BRAZIL – INDIA JOINT WORKSHOP ON

Tropical Soils & Ground Improvement in Civil Infrastructure

International Centre, Goa, India | Monday, October 6, 2025



TITLE SPONSORS



About the Workshop

This joint workshop unites three premier geotechnical societies - SPG (Portugal), ABMS (Brazil), and IGS (India) - to exchange knowledge, innovations, and practical approaches to addressing the challenges of civil infrastructure development in diverse geotechnical environments.

Objectives of the workshop

- Highlight the latest innovations and technological advancements in Tropical Soils & Ground Improvement.
- Facilitate knowledge transfer and exchange among researchers, practitioners, and policymakers from Portugal, Brazil, and India.
- Foster collaborative research and industry-academia partnerships across the three nations.
- Address current challenges and explore solutions in various segments of civil infrastructure.
- Discuss future trends and directions in geotechnical engineering with global perspectives.

Who Should Attend?

Academicians, Industry Professionals, Research Scholars, Students

Schedule

- Registration: 9.30 AM
- Inauguration: 10.00 AM - 10.30 AM
- Panel Discussion & Valedictory: 4.30 PM

Registration Details

- Academicians & Industry Professionals: ₹1000/-
- Research Scholars & Students: ₹500/-

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Contact

Prof. Dr. S.K. Prasad
Chairman, IGS Mysuru Chapter
✉ skprasad@vvce.ac.in
☎ +91 94496 21994

Organizing Committee

- **Dr. Paulo Venda Oliveira** – President, Portuguese Society of Geotechnics
- **Prof. Roberto Quental Coutinho** – President, ABMS (Brazil)
- **Dr. Anil Joseph** – President, Indian Geotechnical Society
- **Prof. Ashish Juneja** - Indian Institute of Technology, Bombay
- **Prof. Dasaka S Murthy** - Indian Institute of Technology, Bombay

Organizing Secretaries

- **Prof. S.K. Prasad** – Chairman, IGS Mysuru Chapter
- **Dr. A.P. Singh** – Honorary Secretary, Indian Geotechnical Society
- **Prof. Neelima Satyam** – IIT Indore, India
- **Prof. Purnanand Savoikar** – GCE Goa, India



SPEAKERS

PORTUGAL



Dr. Paulo J. Venda Oliveira

Topic: Effect of curing time on the creep behaviour of a stabilised soft soil: Numerical modelling
11.00 AM - 11.20 AM



Antonio Cristovão

Topic: Integrating preliminary field testing into ground improvement design by vibrocompaction
12.00 NOON - 12.20 PM



Pedro Guedes de Melo

Topic: Land reclamations for New Urban areas in Zones C and D in Macau, China
2.00 PM - 2.20 PM



Rui Tomásio

Topic: Retaining Walls and Deep Foundation Solutions on Mozambique Tropical Soils
3.00 PM - 3.20 PM

BRAZIL



Roberto Quental Coutinho

Topic: Soil Stabilization and Improvement for Unpaved Roads: Brazilian Studies on Sandy Soils
11.20 AM - 11.40 AM



Maurício Ehrlich

Topic: Landslides and Retaining Structures in Tropical Geotechnical Environments
12.20 PM - 12.40 PM



Maria Eugenia Boscov

Topic: Brazilian Contribution to the Geotechnics of Tropical Soils
2.20 PM - 2.40 PM



Akira Koshima & Guilherme Mafra Machado

Topic: Complex Jet Grouting Projects: Case Studies from Brazil and Beyond
3.20 PM - 3.40 PM

INDIA



Dr. R. Chitra, CSMRS, New Delhi

Topic: Challenges in Dam Construction on Tropical Soil
11.40 AM - 12 NOON



Prof. Thyagaraj, IITM

Topic: Evaluation of red soil-bentonite mixtures for clay liners: wet-dry durability and physico-chemical effects
12.40 PM - 1.00 PM



Dr. Minimol Korulla, Maccaferri

Topic: Ground Improvement for highway embankment founded on soft tropical soil – Case studies
2.40 PM - 3.00 PM



Prof. B. Umashankar, IITH

Topic: Mechanical and Durability Studies on Stabilised Alternative Waste Materials for Pavement Bases
3.40 PM - 4.00 PM

10.30 AM - 11.00 AM COFFEE/NETWORKING BREAK

1.00 PM - 2.00 PM LUNCH BREAK

4.00 PM - 4.30 PM COFFEE/NETWORKING BREAK