INTERNATIONAL WORKSHOP ON

ADVANCES IN ROADWAY AND RAILWAY APPLICATIONS USING GEOSYNTHETICS

<u>A Pre-Conference Workshop</u>

For the Two Days Conference on **GEOPRACTICES TOWARDS SUSTAINABLE INFRASTRUCTURE**

Keynote Speakers



Prof. Jorge G. Zornberg **Civil, Architectural and Environmental** Engineering University of Texas, Austin, USA



Mr. Sam Allen President of the International **Geosynthetics Society (IGS)**



Prof. Erol Tutumluer Civil and Environmental Engineering at the University of Illinois, USA

Speakers from Indian Research Institutes



Dr. J. T. Shahu Professor, IIT Delhi



Dr. G. Madhavi Latha Professor, IISC Bangalore



Dr. Sireesh Saride Professor, IIT Hyderabad

India

Oraganized by

Indian Chapter of International

Geosynthetics Society

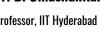


Dr. B. Umashankar Professor, IIT Hyderabad

In Association with

ESTD. () 1927 **Central Board of Irrigation &**

Power



Dr. Shubham Kalore Technical Manager, Zydex Industries





Indian Institute of Technology Hyderabad



Date- October 3, 2024 Time- 9:00 to 17:00 (IST)



Auditorium-2, Convention Centre, **IIT Hyderabad**

International Workshop on Advances in Roadway and Railway Applications using	
Geosynthetics	
8:30 AM - 9:00 AM	Registration
9:00 AM - 9:30 AM	Inaugural function
9:30 AM-10:50 AM	SESSION I
	Overview of Geosynthetics in Roadways - Prof. Jorge G. Zornberg
	Overview of Geosynthetics in Airfield Pavements and Railway Tracks - Prof. Erol Tutumluer
	Mitigation of reflective cracking in structural asphalt overlays- Prof. Jorge G. Zornberg
	Stabilization of unbound aggregate layers – Prof. Erol Tutumluer
10:50 AM -11:10 AM	Tea Break
11:10 AM-12:30 AM	<u>SESSION II</u>
	Reduction of layer intermixing- Prof. Erol Tutumluer
	Reduction of moisture in structural layers- Prof. Jorge G. Zornberg
	Stabilization of soft subgrades- Prof. Erol Tutumluer
	Mitigation of distress induced by expansive clay subgrades- Prof. Jorge G. Zornberg
	Discussion and Closure
12:45 PM-1:45 PM	Lunch Break
	SESSION III
1:45 PM-3:25 PM	Measuring Geosynthetic Performance in Transportation Applications- Mr. Sam Allen
	Presentations from Industry (10 minutes each)
	Maccaferri Environmental Solutions Private Limited
	Strata Geosystems
	Techfab (India) Industries Limited
	Tensar Geosynthetics India Private Limited
3:25 PM to 3:40 PM	Tea Break
3:40 PM to 4.30 PM	SESSION IV
	Presentations from Research Institutes (10 minutes each)
	Geosynthetics in Railways in India- Prof. J. T. Shahu
	Research spotlight on geosynthetics from micro to macro- Prof. G. Madhavi Latha
	Design of Geosynthetic-reinforced Pavements: An Indian Perspective- Prof. Sireesh Saride
	Geogrids and Geocells for stabilizing base and subgrade layers of flexible pavements- <i>Prof. B. Umashankar</i>
	Influence of Loading Type on Geogrid Reinforced Pavements in Plate Load Tests- Dr. Shubham Kalore
	Discussion and Closure
4:30 PM to 5:00 PM	Panel discussion on Codal provisions & research and Summary



For more information and registration details visit: <u>https://geopractices2024.com/pre-conference-workshop.php</u> For any queries, Please contact :

Prof. B Umashankar, IIT Hyderabad Contact No.: 9652505789 (WhatsApp)