

INTERNATIONAL WORKSHOP ON ADVANCES IN ROADWAY AND RAILWAY APPLICATIONS USING GEOSYNTHETICS

A Pre-Conference Workshop

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



Dr. B. Umashankar

Professor, IIT Hyderabad



Dr. Shubham Kalore

Technical Manager, Zydex Industries

Organized by



Indian Chapter of International
Geosynthetics Society

In Association with



Central Board of Irrigation &
Power

Knowledge Partner



Indian Institute of Technology
Hyderabad



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



Auditorium-2, Convention Centre,
IIT Hyderabad

Program Schedule

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	
SESSION I		
9:30 AM-10:50 AM	Overview of Geosynthetics in Roadways - <i>Prof. Jorge G. Zornberg</i>	
	Overview of Geosynthetics in Airfield Pavements and Railway Tracks - <i>Prof. Erol Tutumluer</i>	
	Mitigation of reflective cracking in structural asphalt overlays- <i>Prof. Jorge G. Zornberg</i>	
	Stabilization of unbound aggregate layers – <i>Prof. Erol Tutumluer</i>	
10:50 AM -11:10 AM	Tea Break	
SESSION II		
11:10 AM-12:30 AM	Reduction of layer intermixing- <i>Prof. Erol Tutumluer</i>	
	Reduction of moisture in structural layers- <i>Prof. Jorge G. Zornberg</i>	
	Stabilization of soft subgrades- <i>Prof. Erol Tutumluer</i>	
	Mitigation of distress induced by expansive clay subgrades- <i>Prof. Jorge G. Zornberg</i>	
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- <i>Mr. Sam Allen</i>	
	<u>Presentations from Industry (10 minutes each)</u>	
	Maccaferri Environmental Solutions Private Limited	
	Strata Geosystems	
	Tensar Geosynthetics India Private Limited	
3:25 PM to 3:40 PM	Tea Break	
SESSION IV		
3:40 PM to 4.30 PM	<u>Presentations from Research Institutes (10 minutes each)</u>	
	Geosynthetics in Railways in India- <i>Prof. J. T. Shahu</i>	
	Research spotlight on geosynthetics from micro to macro- <i>Prof. G. Madhavi Latha</i>	
	Design of Geosynthetic-reinforced Pavements: An Indian Perspective- <i>Prof. Sireesh Saride</i>	
	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- <i>Dr. Shubham Kalore</i>		
Discussion and Closure		
4:30 PM to 5:00 PM	Panel discussion on Codal provisions & research and Summary	

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