

*Online International Conference on*  
**Transportation Geotechnics GeoTrans-2022**

1<sup>st</sup> to 3<sup>rd</sup> June 2022

**Conference Schedule**

**Day 1 (01-06-2022)**

***Plenary Session – 1 (9.00 am to 10.30 am)***

Chair : Dr. K. Balan, Vice Principal, RIET, Co- Chair : Prof Sajan K Jose, HoD, Civil Engineering, LBSITW		
Time	Speaker	Title of Presentation
9.00 am – 9.45 am (IST) (1.30 pm – 2.15 pm Sydney time)	<b>Dr Buddhima Indraratna</b> <i>Member, TC 202</i> Director, Transport Research Centre, Distinguished Professor of Civil Engineering University of Technology Sydney, Australia.	Use of Recycled Rubber Inclusions in Rail Track Geotechnology.
9.45 am – 10.30 am	<b>Dr. Samson Mathew</b> Director, National Transportation Planning & Research Centre Professor in Civil Engineering National Institute of Technology, Trichy (NITT)	Emerging Technologies in Pavement

***Plenary Session – 2 (11.00 am to 12.30 pm)***

Chair : Dr. Jayasree P K, Professor in Civil Engineering, CET Co- Chair :Dr. Salini U, Senior Scientist, NATPAC		
Time	Speaker	Title of Presentation
11.00 am – 11.45 am	<b>Dr.N. Unnikrishnan</b> Chairman, IGS –Thiruvananthapuram Chapter Professor and Head, Department of Civil Engineering College of Engineering Trivandrum	Rehabilitation of a distressed vertical cut in Lateritic Soil
11.45 am – 12.30 pm	<b>Er. Ravi Sundaram</b> <i>Member, TC 202</i> Director, Cengrs Geotechnica Pvt Ltd, Noida, Delhi	Quality Assurance of Large Diameter Base Grouted Bored Piles for a Railway Bridge in Bangladesh

**Plenary Session – 3 (2.00 pm to 3.30 pm)**

Chair : Dr. N Unnikrishnan, Professor and Head, Department of Civil Engineering, CET Co- Chair :Prof Sruthy M, Assistant Professor in Civil Engineering, LBSITW		
Time	Speaker	Title of Presentation
2.00 pm – 2.45 pm (IST) 9.30 am – 10.15 am (UK time)	<b>Dr. William Powrie</b> <i>Member, TC 202</i> Professor of Geotechnical Engineering University of Southampton, United Kingdom	Railway track substructure: recent research and future directions
2.45 pm – 3.30 pm	<b>Dr. Amit Prashanth</b> Dean, Research and Development IIT Gandhinagar	Analysis of Bridge Foundations in Liquefiable soils

**Inaugural function 5.45 pm to 6.30 pm (Indian time), 7.15 am to 8 am (Illinois time)**

Time	Speaker
Prayer	
Welcome Speech	<b>Dr. Jayamohan J</b> Principal, LBS Institute of Technology for Women Secretary Indian Geotechnical Society – Thiruvananthapuram Chapter
Presidential Address	<b>Dr. M. Abdul Rahiman</b> Director LBS Centre for Science & Technology
Inaugural Address	<b>Dr. Narendra Samadhiya</b> President, Indian Geotechnical Society Professor in Civil Engineering, IIT Roorkee
Address by Guest of Honour	<b>Dr. Erol Tutumluer</b> <i>Chairman, TC 202</i> Abel Bliss Professor in Transportation Geotechnics Department of Civil and Environmental Engineering, University of Illinois, USA
Felicitation	<b>Dr. Samson Mathew</b> Director, National Transportation Planning & Research Centre <b>Dr. K Balan</b> Executive Committee Member Indian Geotechnical Society <b>Dr. N. Unnikrishnan</b> Chairman, Indian Geotechnical Society –Thiruvananthapuram Chapter <b>Prof Sajan K Jose</b> Head of the Department Department of Civil Engineering, LBSITW
Vote of Thanks	<b>Dr. Salini U</b> Senior Scientist, National Transportation Planning & Research Centre

**Plenary Session – 4 (6.30 pm to 7.15 pm)**

Chair : Dr. Jaya V, Professor in Civil Engineering, CET Co- Chair : Dr. Wilson K C, Senior Scientist, NATPAC		
Time	Speaker	Title of Presentation
6.30 pm – 7.15 pm (IST)	<b>Dr.Erol Tutumluer</b> <i>Chairman, TC 202</i>	Bender Element Shear Wave Technology for Local Stiffness
8 am to 8.45 am (Illinois time)	Abel Bliss Professor in Transportation Geotechnics Department of Civil and Environmental Engineering University of Illinois, USA	Quantification of Unbound Aggregate Layers

**Day 2 (02-06-2022)**

**Plenary Session – 5 (9.00 am to 10.30 am)**

Chair : Dr. Sudheesh T K, Associate Professor, IIT Palakkad Co- Chair :Dr. Salini P N, Senior Scientist, NATPAC		
Time	Speaker	Title of Presentation
9.00 am – 9.45 am	<b>Dr. Arindam Dey</b> Associate Professor in Civil Engineering IIT Guwahatti	Railway Embankment on Soft Ground Improved by Prefabricated Vertical Drains: A successfully implemented case study of Udaipur Station Yard, Agartala
9.45 am – 10.30 am	<b>Dr.Muthukkumaran</b> Professor in Civil Engineering National Institute of Technology, Trichy (NITT)	Effect of Using Dented Sheet Liner In Pervious Concrete Pile to Improve the Soft Soil – A Numerical Study

**Plenary Session – 6 (11.00 am to 12.30 pm)**

Chair : Dr. Muthukkumaran, Professor, NIT Trichy, Co- Chair :Dr. Wilson, Senior Scientist, NATPAC		
Time	Speaker	Title of Presentation
11.00 am – 11.45 am	<b>Dr.A U Ravishankar</b> Professor in Civil Engineering National Institute of Technology Karnataka, Surathkal	Ground Improvement Techniques for Flexible Pavements by Natural and Commercial Additives
11.45 am – 12.30 pm	<b>Dr Purnanand P Savoikar</b> Professor in Civil Engineering Goa Engineering College	Soil-Water Characteristic Curves and its applications in the analysis of Land Slides

**Technical Session 1 (2.00pm to 3.30 pm)**

Track - A		Track - B		Track - C	
Chair: Dr. Jayasree P K Professor in CE CET	Co-Chair: Dr. Salini U Senior Scientist NATPAC	Chair: Dr. Jegan Bharat Kumar Senior Scientist NATPAC	Co-Chair: Prof Sajan K Jose Associate Professor LBSITW	Chair: Dr. Jaya V Professor in CE CET	Co-Chair: Dr. Wilson K C Senior Scientist NATPAC
Keynote Lecture - 1	Dr. Salini U,	Keynote Lecture-2	Prof Sajan K Jose	Keynote Lecture-3	Dr. Wilson K C,
Technical Presentations: Paper id	3032 3257 9074 9573 4737	Technical Presentations: Paper id	3738 4287 6520 7231 8286	Technical Presentations: Paper id	4616 5797 7700 3456 9781

**Technical Session 2 (4.00pm to 5.00 pm)**

Track - A		Track - B		Track - C	
Chair: Prof Deepthy BL Assistant Prof in Civil Engineering, LBSITW	Co-Chair: Prof Kavya Assistant Professor, LBSITW	Chair: Prof Kannan Assistant Professor, Marian Engineering College	Co-Chair: Prof Aaja Prof Deepthy Jose Assistant Professor, LBSITW	Chair: Prof Shruthi Johnson Assistant Professor, LBSITW	Co-Chair: Prof Deepthy Jose Assistant Professor, LBSITW
Technical Presentations: Paper id	1182 1042 2625 2681 3137	Technical Presentations: Paper id	3709 3823 3939 4220 4531	Technical Presentations: Paper id	4551 4557 4815 7471 8121

**Day 3 (03-06-2022)**

**Plenary Session – 7 (9.00 am to 10.30 am)**

Chair :Dr. Vandana, Professor, GEC Kannur Co- Chair : Prof Sajan K Jose, HoD Civil, LBSITW		
Time	Speaker	Title of Presentation
9.00 am – 9.45 am	<b>Dr. B. Umashankar</b> Professor in Civil Engineering IIT Hyderabad	Recent Applications of Geosynthetics in Transportation Infrastructure Facilities
9.45 am – 10.30 am	<b>Dr. Bino I Koshy</b> Dean, PG Programs, Professor in Civil Engineering Amal Jyothi College of Engineering	Advances in data collection techniques for highway planning and design

**Plenary Session – 8 (11.00 am to 12.30 pm)**

Chair :Dr Divya P V, Associate Professor, IIT Palakkad , Co- Chair: Prof Dhanya Raveendran, Assistant Professor, GEC, Kannur		
Time	Speaker	Title of Presentation
11.00 am – 11.45 am	<b>Dr. Jaya V</b> Vice Chairman IGS – Thiruvananthapuram Chapter Professor in Civil Engineering, College of Engineering Trivandrum	Pavement Drainage and Application of Geosynthetics
11.45 am – 12.30 pm	<b>Dr Jayamohan J</b> Honorary Secretary IGS – Thiruvananthapuram Chapter Principal, LBS Institute of Technology for Women	Numerical Modelling in Geotechnical Engineering – Case Studies

**Technical Session 3 (2.00pm to 4.00 pm)**

Track - A		Track - B		Track - C	
Chair: Dr. Salini P N Senior Scientist NATPAC	Co-Chair: Prof Shruthy Johnson Assistant Professor LBSITW	Chair: Dr. Salini U Senior Scientist NATPAC	Co-Chair: Prof Suthy M Assistant Professor LBSITW	Chair: Dr. Wilson K C Senior Scientist NATPAC	Co-Chair: Prof Deepthy B L Assistant Professor LBSITW
Keynote Lecture - 4	Dr. Salini PN,	Keynote Lecture-5	Prof Sruthy M	Keynote Lecture-6	Prof Deepthy B L
Technical Presentations: Paper id	8327 8354 8121 9924 2103 6201 8056 8462	Technical Presentations: Paper id	5085 5047 5044 4541 7404 2975 2617 7982	Technical Presentations: Paper id	2593 2998 3253 4915 5799 5955 7830 7873

**Valedictory Function 4 – 4.30 pm**