



National Conference on Resilient Infrastructure 2020
Presentation Schedule
Day 1 (December 17, 2020)

Parallel Session 1A - Geotechnical Engineering (3.00 - 5.00 pm)

SI No.	Time Slot	Paper ID	Title	Author (s)
1	3:00:00 PM	9	Flexural Behaviour of Geocell Reinforced Subgrade with Different Infill Materials	Mahima D and Sini T
2	3:15:00 PM	28	Experimental Study on Reinforcement Using PVC rod in the Vicinity of Pressure Bulb in Sand	Agila K, Arvee Sujil Johnson and Keerthi Kiron
3	3:30:00 PM	90	Influence of Prestress on the Behaviour of Footings Resting on Reinforced Foundation Beds - A Review	Anjali A, Jayamohan J and Soorya S R
4	3:45:00 PM	47	Numerical Analysis of Effect of Thickness on Bearing Capacity of Bamboo Mat Reinforced Sand Bed	Ajesh Sankar, K. S. Akhil, N. Sankar and S. Chandrakaran
5	4:00:00 PM	99	Landslide Susceptibility Analysis of Kuranchery	Aajini Giri, Henna Maria, Anusha P Antony and Akash M B
6	4:15:00 PM	122	Remediation and Utilization of Akkulam Dredged Material into Blocks using Fly Ash	Malini Sam, Jaya V and Abhijith A
7	4:30:00 PM	27	Durability and Shear Strength Analysis on Modified Coir Fiber in Flyash Clay Mixture	Athira S and Manju G.S
8	4:45:00 PM	29	Effect of Coir Geotextile on Soil Piping and Piping Resistance of Soils	V P Anjana and K Niranjana

Day 1 (December 17, 2020)

Parallel Session 1B - Transportation Systems (3.00 - 5.30 PM)

SI No.	Time Slot	Paper ID	Title	Author (s)
1	3:00:00 PM	43	GIS Based Road Traffic Crash Response System for Calicut City	Harikrishna Madhavan, Rohit K Alias, Rohith Mahesh Maliyeckan, Shanal K and Sayeem Valiyapurayil Sadiq.
2	3:15:00 PM	44	Development of Speed Prediction Models for Combined Curves	Harikrishna Madhavan, Muhammed Midhilaj, Nihal Nayeem, Shyam Prasad V. and Yeduraj D..
3	3:30:00 PM	100	Automated Assessment of Inconsistency for Crash Analysis: A Case Study on NH66	Shilpa R Nair and B. K. Bhavathrathan.
4	3:45:00 PM	101	Effect of Combined Curves to Driver's Heart Rate	Dona Joy, Jisha Akkara, Anitha Jacob and Subaida E A.
5	4:00:00 PM	146	Study of Effect of Speed Bump Geometry on Urban Streets Using Driving Simulator	Kandiboina Raghupathi and Perumal Vedagiri.
6	4:15:00 PM	103	Workload Based Consistency Evaluation of Two Lane Rural Highways	Jisha Akkara, Anitha Jacob and Subaida E A.
7	4:30:00 PM	35	Safety Impact Analysis of Lane Conversion on Selected Highway Corridor	Swathy P Mohan, Ebin Sam S and Archana S.
8	4:45:00 PM	12	Accident Modeling on Combined Curves	Nidhin Sebastian and Carol Varghese.

Day 2 (December 18, 2020)

Parallel Session 2A - Infrastructure (10.30 AM - 1.00 PM)

SI No.	Time Slot	Paper ID	Title	Author (s)
1	10:30:00 AM	33	A Case Study on Failure of Kaippini Bridge in Malappuram District	Ibrahim C
2	10:45:00 AM	130	Statistical Analysis for Optimization of Pavement Maintenance and Management System	Ashwini Gowda K S, Archana M R and Anjaneyappa.
3	11:00:00 AM	149	Investigation on the Effect of Light Expanded Clay Aggregate and Steel Fibre on the Properties of High Performance Concrete	Pradeep P and Beena Mol M
4	11:15:00 AM	150	A Review: Applications of Machine Intelligence In Civil Engineering	Jitendra Khatti, Amit Kumar Jangid and K. S. Grover
5	11:30:00 AM	151	Comparative Study of T-Beam Girder Bridge with Box Girder Bridge	Mayur Hajeri and Shankar Sanni
6	11:45:00 AM	155	A Review on Study of Various Materials to Achieve Thermal Comfort and Energy Efficient Building	Jeevan Kumawat and Ranveer Singh Shekhawat
7	12:00:00 PM	166	Creep Behavior of Elastomeric Bridge Bearing	Shopana Kumar, Sakthivelan Ramachandran and Shanmugapriya Selvaraj
8	12:15:00 PM	167	Design of Bridge Wall Pier having Cut and Ease Water Subjected to Axial Load and Biaxial Moment	Keerthana S, Sakthivelan Ramachandran and Dinesh M N
9	12:30:00 PM	26	Collapse and Buckling Behavior of Octagonal Concrete Filled Steel Column Connected to a Beam Under Cyclic Loading	Silia Mary Silbi and Sajan Jose

Day 2 (December 18, 2020)

Parallel Session 2B - Pavement (10.30 AM - 1.00 PM)

SI No.	Time Slot	Paper ID	Title	Author (s)
1	10:30:00 AM	16	Structural Performance Assessment of Inundated Subgrade with Lateritic Soil	Soorya Ann Koshy, A Praveen and T Ajitha
2	10:45:00 AM	144	Study on utilization of Flood Deposits in the Base Layers of Flexible Pavement-A case study”	Loui T R, Surya Suresh and Biju Longhinos
3	11:00:00 AM	152	Innovative Design and Construction Methodology in road construction/ Rehabilitation: Using Stabilization Technology with Cement and Natural Mineral Additive in the state of Kerala - A Case Study	Srinivas Vallabhaneni, Pratap Kumar Mohanty and Thirumalasetty Pavana Ram
4	11:15:00 AM	158	Reclaimed Asphalt Pavement: A Review	Mahima Mary Thomas and Vincy Verghese
5	11:30:00 AM	159	Incorporation of Waste plastic in Bituminous Pavement Construction	Gautam Prakash and Sanjeev Kumar Suman
6	11:45:00 AM	163	Scope of Reclaimed Asphalt Pavement Materials	Saju J Mathew, Telma G Puthenpura, Nisanth Manoj, Sharon Sara Soji and Jithin Kurian Andrews
7	12:00:00 PM	165	Flexural Fatigue Modelling of Steel Fibre Reinforced Concrete	Ajeesh K, Sunitha K Nayar and Veena Venudharan
8	12:15:00 PM	169	Assessment of Suitability of Coconut Shell Charcoal and Rice Straw Fibre in Stone Mastic Asphalt	Sreedevi V, Anjali S Johnson, Manna M Philip and Nabin Nazar

Day 2 (December 18, 2020)

Parallel Session 3A - Geotechnical (2.00 PM - 5.00 PM)

SI No.	Time Slot	Paper ID	Title	Author (s)
1	2:00:00 PM	20	Study on Effect of Biochar for the Remediation of Heavy Metal Contaminated Soil	Susmitha Titus and Bindu J
2	2:15:00 PM	31	Experimental Analysis of Geosynthetic Encased Tapered Stone Columns	Keerthi Kiron, Arvee Sujil Johnson and Agila K
3	2:30:00 PM	69	Determination of Erodibility of Laterite Soil Using Erosion Function Apparatus	Sruthimol P and Bindu J
4	2:45:00 PM	38	Effects of Leachate Solution on Hydraulic Conductivity of Carbon Amended Clay Liner	S Anju and A R Ajitha
5	3:00:00 PM	92	Influence of Mineralogy on the Engineering Properties of Lateritic Soil	Amrutha Usha Kumari Ajith Kumar, Anjana Sivakumar, Gopika Chandran, Jaseena Amsaj Naseera, Jayaraj Jayamohan and Shruthi Johnson
6	3:15:00 PM	124	Evaluation of Clay Sludge Mix as Landfill Barrier Material	Revathy Krishna M and Sudha A R
7	3:30:00 PM	127	Surfactant Enhanced Remediation of Oil Contaminated Soil	Neethu P S and Mariamma Joseph
8	3:45:00 PM	140	Experimental Studies on Behaviour of Model Piled Rafts	Viji K Nair and Mariamma Joseph

Day 2 (December 18, 2020)

Parallel Session 3B - Transportation (2.00 PM - 5.00 PM)

SI No.	Time Slot	Paper ID	Title	Author (s)
1	2:00:00 PM	113	A Macroscopic Model-Based Approach to Analyse and Quantify the Implications of Disordered Stream Behaviour on Travel Time Predictions	M. Sreekumar and Tom V. Mathew.
2	2:15:00 PM	14	Queue Dissipation Time and Travel Time Estimation Model for Emergency Vehicles Under Pre-emption Control	Silpa Sekhar G, B.Anish Kini, Salini P N and Vincy Verghese.
3	2:30:00 PM	45	Modeling of Work Activity Participation of Workers In Thrissur Corporation	Anupama Krishnan and Carol Varghese.
4	2:45:00 PM	10	Determination of Traffic Congestion Cost and Index for Thiruvananthapuram City	Karthik S and Loui T R.
5	3:00:00 PM	156	Impact of Fuel Price on Activity Pattern of Thrissur City	Rohini P and Carol Varghese.
6	3:15:00 PM	160	Efficiency Analysis of Electronic Toll Collection in a Toll Plaza.	Nivya Varghese V and Vincy Verghese.
7	3:30:00 PM	170	Travel Preferences and Work From Home Preferences in the Face of Lockdown: Observations from an Online Survey in Kerala	B Anish Kini, B K Bhavathrathan and Tom V Mathew
8	3:45:00 PM	87	Carbon Neutral Thrissur	Eloi C. J, Clodiya Charly, Saison Xavior, Olfy Nixon and Carol Varghese.
9	4:00:00 PM	107	Development of Mode Choice Model to Promote Electric Two Wheeler Usage in India: A case study of Delhi City	Punit Kumar and Dr. Marisamynathan S.
10	4:15:00 PM	154	Facility Improvement of Shoranur Railway Station Road	Vincy Verghese, Salini M S and Swathi Soman.
11	4:30:00 PM	161	Modelling Follower Density as a Performance Measure on Two Lane Rural Highways	Sanjana N, Sheela Alex and Padmakumar Radhakrishnan.