

15th September, 2022

Parallel Technical Sessions III: 15/09/2022 02:00 - 03:45 PM

3A. Planning and Design
Session Lead: Dr. Avijit Maji

Paper ID	Authors	Title of the Paper
4801	Manoj B S and Arkopal Goswami	Joint versus Standalone Estimation of First/Last Mile Mode Choice Utilizing Revealed and Stated Preference Datasets
6271	N.H. Riyaz Khan and S. Vasantha Kumar	Use of Advanced Techniques for Functional Evaluation of Pavements: A Review and a Pilot Study
6420	Pankaj Prajapati and Reshma Khan	Assessment of Gender and Income-Based Inequality in Travel Behaviour
6873	Manoj Jha, Nicodeme Wanko and Anil Kumar Bachu	A Machine Learning-based Active Learning Framework to Capture Risk and Uncertainty in Transportation and Construction Scheduling
7841	V S Sanjay Kumar, Salini P N, Ebin Sam and Akshara S	Traffic Impact Assessment and Redressal Measures for A Technology Park – Case Study of Technocity in Thiruvananthapuram

3B. Materials and Construction
Session Lead: Dr. Solomon Debbarma

Paper ID	Authors	Title of the Paper
6720	Mayank Sukhija, Nikhil Saboo and Agnivesh Pani	Study on Estimation of Optimum Dosage of Warm Mix Additives for Production of Asphalt Mixtures
7430	Shuddhashil Ghosh and Priyansh Singh	Effect of Superplasticizer on Characteristics of Pervious Concrete
7583	Jithin Kurian Andrews, Vishnu Radhakrishnan and Reebu Zachariah Koshy	Field Evaluation of Thin Bituminous Surface Mixes
8545	Ganeshvijay R, Jegan Bharath Kumar A, Murshida P and Rajasekar R	Analysis of Internal Pore Structure of Porous Asphalt Concrete Using X-ray Computed Tomography
7296	Manoj Kumar Shukla, Siksha Swaroopakar, Satish Pandey and Shankh Das	Investigation and Rehabilitation of Bituminous Pavement Using Sustainable Construction Technique: A Case Study

3C. Urban and Rural Transportation
Session Lead: Dr. Prasanta K Sahu

Paper ID	Authors	Title of the Paper
3274	Salini P N, Anish Kini B, Gopika Mohan and Ashalatha R	Estimation of Dynamic Passenger Car Unit for Signalized Intersections Based on Field Evaluation
4105	Ashish Verma, Anbazhagan P., Sai Kiran Mayakuntla and Furqan A. Bhat	Assessing the Impact of Underground Utility Works on Road Traffic and Users: A Study from an Indian City
5071	Aarohi Kumar Munshi, Ankur Mishra, Manish Kumar, Himanshu Shekhar, Bhaskar Bhushan and Ashish Kumar Patnaik	Development of PCU Model for Uncontrolled Intersections: A Case Study of Ranchi City
5971	Shubham Parashar, Ninad Gore and Shrinivas Arkatkar	Analysing Spatio-Temporal Variation in Congestion Using Taxi Travel Time Data: A Perspective towards Congestion Management

6591	Pankaj Kumar, Sabyasachi Mondal, Pritam Saha and Sudip K. Roy	Characteristics of E-rickshaw Dominated Mixed-Mode Traffic in Suburban Arterial Corridors
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Parallel Technical Sessions IV: 15/09/2022 04:15 PM - 06:15 PM

4A. Community and Social Well-being Session Lead: Dr. Salini P N		
Paper ID	Authors	Title of the Paper
5478	Tushar Choudhari and Avijit Maji	What Contributes to Crashes along Rural Highways, Driver, or Curve? A Vehicle Stability based Runoff Risk Analysis
6758	Bhaskar Bhushan, Aarohi Kumar Munshi and Ashish Kumar Patnaik	Development of Crash Frequency Model for Roundabouts: A Case Study
7190	Ankit Pandey and Abhinav Kumar	Modeling of Rear-end Conflicts between Vehicles at Signalized Intersections
7600	Saroj Kanta Behera and Abhisek Mudgal	Diurnal PM _{2.5} Exposure at a Busy Traffic Intersection of a Tier-II City: A Case Study of Varanasi, India
7660	Divya Solanki and Pankaj Parajapati	Analysis and Prediction of Hit-And-Run Road Accidents
9977	Janak Suthar and Pankaj Prajapati	Study of Single Vehicle Traffic Crashes
4B. Materials and Construction Session Lead: Dr. Surender Singh		
Paper ID	Authors	Title of the Paper
9418	Chandra Prathap R and Devika Santhosh	Laboratory Performance Investigation of Cold Mix Asphalt under Varied Curing Conditions and Temperature
9780	Salini U and Soorya Ann Koshy	Dynamic Complex Modulus of Reclaimed Asphalt Pavement Mixes
1787	G Bharath, Ambika Behl, Siksha Kar and Satish Chandra	Successful Utilization of High Amount of Reclaimed Asphalt Pavement Material in Bituminous Pavements: Indian Case Study
7835	Dabbiru Sairam, Shobhit Jain, Anush K. Chandrappa and Umesh C. Sahoo	The Potential of the Waste Cooking Oil as an Anti-Aging Additive in Asphalt Binder
6388	Shiva Kumar Mahto and Sanjeev Sinha	Laboratory Investigation on Warm Mix Asphalt by utilizing Fly Ash as a Mineral Filler
8611	Deepak Prasad, Sanjeev Kumar Suman and Bhupendra Singh	Utilization of Recycled Concrete Dust and Lime as a Binary Blended Filler in Cold Bitumen Emulsion Mix

4C. Smart and Intelligent Transportation Session Lead: Dr. Manoj Jha		
Paper ID	Authors	Title of the Paper
1358	Mukti Advani, Anbumani Subramanian, Dev Singh, S. Velmurugan, Juby Jose and Arun Goel	Artificial Intelligence based Collision Alert System to Identify the Most Unsafe Areas in Nagpur City

2741	Prashant Baviskar and Shriniwas Arkatkar	Machine Learning Approach for Modeling the Lateral Movement Decisions of Vehicles in Heterogeneous Traffic Conditions
5391	Samarth Bhatia, Manish Yadav, Gopal Patil, Buddhiraju Krishna Mohan and Venugopal Rao Koppaka	Quantification of Urban Growth and its Interaction with Transportation Networks in Mumbai Metropolitan Region using Satellite Images
6296	Mohd Atif and Gourab Sil	Geometry Data Extraction of Existing Horizontal Alignment: A Global Review Report and Methodological Example
7449	Manish Yadav, Samarth Bhatia, Gopal Patil, Buddhiraju Krishna Mohan and Venugopal Rao Koppaka	Simulating Transportation Network Derived Future Built-up Expansion using Neural Network-Markov Chain Model for Kalyan and Contiguous Region, India
7479	Gurmesh Sihag, Praveen Kumar and M. Parida	Development of Incident Management System for Efficient Usage of Transportation Infrastructure

4D. Urban and Rural Transportation
Session Lead: Dr. Arkopal K. Goswami

Paper ID	Authors	Title of the Paper
2059	A.Mohan Rao, Priyadarshan Singh, Kamini Gupta and Neelima Chakraborty	Driver Eye Movements and Visual Behaviour Analysis on Inter Urban Roads
2435	Vishwajeet Verma and Rajat Rastogi	Is CAWI Based Transit Passengers' Satisfaction Survey Feasible in India? – Insights During COVID-19
7413	Kanishk Singh, Velmurugan Senathipathi and Nishit Patel	Assessment of Adherence Level of Helmet Usage on Varying Roads in Delhi
9193	Sandeep Manthirikul and Udit Jain	Modeling Pedestrian Waiting Time Delay at Signalized Midblock Crosswalks under Non-Uniform Arrivals and Non-Compliance Behavior
7496	Hrishabh Chouhan, Pritikana Das and Dungar Singh	Qualitative and Quantitative Evaluation of Car Parking System: A Case Study of Bhopal
9038	Furqan A. Bhat, Debopam Roy, Prasanta K. Sahu, Sanjay C. Choudhari and Bahurudeen A.	Earthwork Logistics Optimization in Road Construction Project