



2nd Conference of Transportation Research
Group of India (CTRG)
12-15 December, 2013, Agra, India

2nd CTRG 2013 Paper Presentation Schedule (Detailed View)

Sessions are named as "aaBbCcc" where

- aa- Date of Presentation
- B- Forenoon (F) / Afternoon (A)
- b- Time slot number in a given half (1 first slot, 2 second slot, etc.)
- C- Paper Presentation Session (S) / Keynote Sessions (K) / Tutorial Sessions (T)
- cc- (Paper Presentation / Keynote / Tutorial) session number

December 12 09:45 am - 12:45 pm Diwan-e-Aam 1

12F1T01: Tutorial Session

Modelling Pedestrian Flow
Armin Seyfried

December 12 09:45 am - 12:45 pm Pavilion Height

12F1T02: Tutorial Session

Discrete Choice Analysis
Chandra Bhat

December 12 09:45 am - 12:45 pm Pavilion of China

12F1T03: Tutorial Session

Operations Research Methods in Transportation
Dusan Teodorovic

December 12 09:45 am - 12:45 pm Pool View Pavilion

12F1T04: Tutorial Session

Analysis of Pavements
Animesh Das

December 12 12:45 pm - 01:30 pm Exhibition Court

Lunch

December 12 01:30 pm - 04:30 pm Diwan-e-Aam 1

12A1T05: Tutorial Session

Traveller Behaviour
Karthik Srinivasan

December 12 01:30 pm - 04:30 pm Pavilion Height

12A1T06: Tutorial Session

Asphalt Mix Design: The state-of-the-art
Louay Mohammad

December 12 01:30 pm - 04:30 pm Pavilion of China

12A1T07: Tutorial Session

Dynamic Traffic Assignment
Srinivas Peeta

December 12 01:30 pm - 04:30 pm Pool View Pavilion

12A1T08: Tutorial Session

Intelligent Transport Systems
Lelitha Vanajakshi and C.S. Shankar Ram

December 13 09:30 am - 10:00 am Diwan-e-Aam 1&2
Starting Session

December 13 10:00 am - 10:40 am Diwan-e-Aam 1
13F1K01: Keynote Lecture
Animesh Das, presiding
Durable Pavements for High and Low volume Roads
B.B.Pandey, IIT Kharagpur, India

December 13 10:00 am - 10:40 am Pavilion Height
13F1K02: Keynote Lecture
Srinivas Peeta, presiding
An Overview of Highway Policy Issues for India
Kumares C. Sinha, Purdue University, USA

December 13 10:40 am - 11:10 am Exhibition Court
Tea

December 13 11:10 am - 12:30 pm Diwan-e-Aam 1
13F2S01: Bituminous Mixes – I
Louay Mohammad and Mansour Fakhri, presiding
Evaluation of Mix Design Methods for Reclaimed Asphalt Pavement Mixes with Foamed Bitumen (Paper I.D: 299)
Rajeev Chandra, A. Veeraragavana and J. Murali Krishnan
Environmental and Field Performance of the Warm Asphalt Mixes Technology with a "Ready to Use" Bitumen (Paper I.D: 401)
Pankaj Kumar Jain, Laurence Lapalu, Catherine Juery, Sylvie Zucco, Agnès Jullien and Philippe Tamagny
Application of Asphalt-Aggregates Interfacial Energies to Evaluate Moisture-Induced Damage of Warm Mix Asphalt (Paper I.D: 399)
Rouzbeh Ghabchi, Dharamveer Singh, Musharraf Zaman and Qingyan Tian
Performance of Low Energy Crumb Rubber Modified Bituminous Mixes (Paper I.D: 435)
Ambika Behl, Gajendra Kumar and Girish Sharma

December 13

11:10 am - 12:30 pm

Pavilion Height

13F2S02: Analysis and Modelling of Traffic Streams – I

Tom Mathew and S Velmurugan, presiding

Evaluation of Different Vehicle Following Models under Mixed Traffic Conditions (Paper I.D: 434)

Venkatesan Kanagaraj, Gowri Asaithambi, C. H. Naveen Kumar, Karthik K. Srinivasan and R. Sivanandan

Calibration of VISSIM for Indian Heterogeneous Traffic Conditions (Paper I.D: 419)

Siddharth S. M. P. and Gitakrishnan Ramadurai

Development of Simulation Model for Heterogeneous Traffic with No Lane Discipline (Paper I.D: 383)

Mahendrakumar Metkari, Anuj Budhkar and Akhilesh Kumar Maurya

Speed Prediction Models for Urban Arterial under Mixed Traffic Conditions (Paper I.D: 307)

Ashish Dhamaniya and Satish Chandra

December 13

11:10 am - 12:30 pm

Pavilion of China

13F2S03: Traveller Behaviour – I

Chandra Bhat and Praveen Edara, presiding

Effect of Land Use on Travel Behaviour: A Case Study of Agartala City (Paper I.D: 330)

Partha Pratim Sarkar and C. Mallikarjuna

Modeling the Choice of Tele-Work and its Effects on Travel Behaviour in Indian Context (Paper I.D: 378)

Lila P.C. and Anjaneyulu M.V.L.R.

Quantification of Land Use Diversity in the Context of Mixed Land Use (Paper I.D: 318)

Rupjyoti Bordoloi, Amit Mote, Partha Pratim Sarkar and C.Mallikarjuna

Shopping Participation and Duration of Workers in Calicut City (Paper I.D: 371)

Sreela P.K., Sheena Melayil and Anjaneyulu, M.V.L.R.

December 13 11:10 am - 12:30 pm Pool View Pavilion

13F2S04: Multimodal Public Transportation

Kumares Sinha and S. Pulugurtha, presiding

Analysing Inter-Modal Competition between High Speed Rail and Conventional Transport Systems: A Game Theoretic Approach (Paper I.D: 333)

Varun Raturi, Karthik Srinivasan, Gunjan Narulkar, Ashwini Chandrashekharaiiah and Ankur Gupta

Strategies to Improve the Efficiency of a Multimodal Interdependent Transportation System in Disasters (Paper I.D: 454)

Francis C Udentia, Manoj K. Jha, Sabyasachee Mishra and Avijit Maji

Performance Evaluation of Multimodal Transportation Systems (Paper I.D: 302)

P. Phani Kumar, Manoranjan Parida and Mansha Swami

Public Transport Usage in Adelaide (Paper I.D: 316)

Sekhar Somenahalli, Callum Sleep, Frank Primeranoc Ramesh Wadduwage and Chris Mayer

December 13 12:30 pm - 02:00 pm Exhibition Court

Lunch

December 13 02:00 pm - 02:40 pm Diwan-e-Aam 1

13A1K03: Keynote Lecture

Raj Dongre, presiding

Sustainable Pavement Systems:Material, Design, and Construction

Louay Mohammad, Louisiana State University, USA

December 13 02:00 pm - 02:40 pm Pavilion Height

13A1K04: Keynote Lecture

Praveen Edara, presiding

Swarm Intelligence Systems for Transportation Engineering

Dusan Teodorovic, University of Belgrade, Serbia

December 13 02:40 pm - 03:10 pm Exhibition Court

Tea

December 13

03:10 pm - 04:30 pm

Diwan-e-Aam 1

13A2S05: Non- Bituminous Pavement Layer

B. B. Pandey and Syam Nair, presiding

Effect of the Length of Geogrid Layers in the Bearing Capacity Ratio of Geogrid Reinforced Granular Fill-Soft Subgrade Soil System (Paper I.D: 390)

Laxmikant Yadu and R.K. Tripathi

Quasi-Static Analysis of Geotextile Reinforced Unpaved Road Resting on C- Φ Subgrade (Paper I.D: 400)

Shivraj Meena, Lokesh Choudhary and Arindam Dey

Prediction of Subgrade Strength Parameters from Dynamic Cone Penetration Index, Modified Liquid Limit and Moisture Content (Paper I.D: 410)

Mukesh A. Patel, H.S. Patel and Gautam Dadhich

Utilization of Geogrid Mesh for Improving the Soft Subgrade Layer with Waste Material Mix Compositions (Paper I.D: 327)

Ambika Kuity and Tapas Kumar Roy

December 13

03:10 pm - 04:30 pm

Pavilion Height

13A2S06: Analysis and Modelling of Traffic Streams – II

K Ramachandra Rao and Gaurang Joshi, presiding

A Data Mining Approach to Creating Fundamental Traffic Flow Diagram (Paper I.D: 308)

Jalil Kianfar and Praveen Edara

Operational Performance Measures for Two-Lane Roads: An Assessment of Methodological Alternatives (Paper I.D: 355)

Indrajit Ghosh, Satish Chandra and Amardeep Boora

Sample Size Requirements for Vehicle's Speed Data Collection Using Global Positioning System (Paper I.D: 376)

A. K. Maurya and P. S. Bokare

Methodological Framework Towards Roadway Capacity Estimation for Indian Multi-Lane Highways (Paper I.D: 462)

Ashutosh Arun, Senathipathi Velmurugan and Madhu Errampalli

December 13

03:10 pm - 04:30 pm

Pavilion of China

13A2S07: Transport Safety – I

Vinod Vasudevan and Sudheshna Mitra, presiding

Development of Hierarchical Safety Performance Functions for Urban Mid-Blocks
(Paper I.D: 362)

Meera J. Krishnan, Anjana S. and Anjaneyulu M.V.L.R.

Investigating Cell Phone Use while Driving in Qatar (Paper I.D: 393)

Khaled Shaaban

Geometric Design Consistency of Multiple Horizontal Curves on Two-Lane Rural
Highways (Paper I.D: 335)

Anitha Jacob, Dhanya R. and Anjaneyulu M.V.L.R.

Analysis of Driver Behaviour and Crash Characteristics during Adverse Weather
Conditions (Paper I.D: 295)

Neelima Chakrabarty and Kamini Gupta

December 13

03:10 pm - 04:30 pm

Pool View Pavilion

13A2S08: Sustainable Transportation

MD Mazharul Haque and Sujaya Rathi, presiding

Estimation of Carbon Footprint of Fuel Loss Due to Idling of Vehicles at Signalised
Intersection in Delhi (Paper I.D: 439)

Kirti Bhandari, Purnima Parida and Pragya Singh

Recycled Aggregate Concrete for Transportation Infrastructure (Paper I.D: 377)

Surya M., Kanta Rao V.V.L. and Lakshmy P.

Characterization of Reclaimed Asphalt Pavement (RAP) for Use in Bituminous Road
Construction (Paper I.D: 441)

T.Anil Pradyumna, Abhishek Mittal and P.K.Jain

Estimation of Delay and Fuel Loss during Idling of Vehicles at Signalised
Intersection in Ahmedabad (Paper I.D: 466)

Ch. Ravi Sekhar, Pranoy Raj, Purnima Parida and S. Gangopadhyay

December 13

04:40 pm - 06:00 pm

Diwan-e-Aam 1

13A3S09: Analysis and Modelling of Traffic Streams – III

Satish Chandra and Gitakrishnan Ramadurai, presiding

Study of Vehicles Lateral Movement in Non-Lane Discipline Traffic Stream on A Straight Road (Paper I.D: 360)

Geetimukta Mahapatra and Akhilesh Kumar Maurya

Analysis of the Lateral Gap Maintaining Behavior of Vehicles in Heterogeneous Traffic Stream (Paper I.D: 413)

C. Mallikarjuna, Budde Tharun and Dibyendu Pal

Effect of Speed Limit Compliance on Roadway Capacity of Indian Expressways (Paper I.D: 409)

Manraj Singh Bains, Anshuman Bhardwaj, Shrinivas Arkatkar and S. Velmurugan

Vehicle Class-Wise Speed Volume Model for Three-Lane Undivided Urban Roads (Paper I.D: 427)

Balaji Ponnu, Jomy Thomas, Kartikeya Jha, Gowri Asaithambi and Karthik K. Srinivasan

December 13

04:40 pm - 06:00 pm

Pavilion Height

13A3S10: Bus Transit and Freight Transport

Dusan Teodorovic and Bhargab Maitra, presiding

Investigating the Customer Satisfaction of the Bus Service in Qatar (Paper I.D: 395)

Khaled Shaaban and Rania F. Khalil

Examining the Influence of Urban Form and Land Use on Bus Ridership in Montreal (Paper I.D: 403)

Vincent Chakour and Naveen Eluru

Estimation of Bus Transport Ridership Accounting Accessibility (Paper I.D: 449)

S. Kalaanidhi and K. Gunasekaran

A Framework for Determining Commuter Preference Along A Proposed Bus Rapid Transit Corridor (Paper I.D: 464)

Debapratim Pandit and Shreya Das

The Role of Road Transport in Scheduled Air Cargo Networks (Paper I.D: 339)

Florian Heinitz, Marcus Hirschberger and Christian Werstat

December 13

04:40 pm - 06:00 pm

Pavilion of China

13A3S11: Transport Safety –II

K Ramachandra Rao and S Velmurugan, presiding

A Methodology for Estimating Exposure-Controlled Crash Risk Using Traffic Police Crash Data (Paper I.D: 319)

Md. Mazharul Haque, Simon Washington and Barry Watson

Poisson Family Regression Techniques for Prediction of Crash Counts Using Bayesian Inference (Paper I.D: 365)

C. Naveen Kumar, M. Parida and S.S. Jain

A Synchronized Model for Crash Prediction and Resource Allocation to Prioritize Highway Safety Improvement Projects (Paper I.D: 398)

Sabyasachee Mishra

Development of Panel Models on Traffic Fatalities for Regions with Limited Data (Paper I.D: 416)

Preeti Singh and Vinod Vasudevan

Spatial Extent and Modelling Intracity Truck Crashes (Paper I.D: 457)

Nagaswetha Pasupuleti and Srinivas S. Pulugurtha

December 13

04:40 pm - 06:00 pm

Pool View Pavilion

13A3S12: Non- Motorized Transport

Vinod Vasudevan and Pradeep Kumar Agarwal, presiding

Effect of Bicycle Friendly Roadway Infrastructure on Bicycling Activities in Urban India (Paper I.D: 469)

Samyajit Basu and Vinod Vasudevan

Investigating the Relative Influence of Various Factors in Bicycle Mode Choice (Paper I.D: 432)

Bandhan Bandhu Majumdar and Sudeshna Mitra

Comparative Analysis of Pedestrian, Bicycle and Car Traffic Moving in Circuits (Paper I.D: 445)

Jun Zhang, Wolfgang Mehner, Erik Andresen, Stefan Holl, Maik Boltes, Andreas Schadschneider and Armin Seyfried

Study of Impact of Various Influencing Factors on NMT Mode Choice (Paper I.D: 361)

T.M. Rahul and Ashish Verma

December 13

07:30 pm onwards

Tennis Court

Conference Dinner

December 14 09:30 am - 10:10 am Diwan-e-Aam 1

14F1K05: Keynote Lecture

Satish Chandra, presiding

Upcoming Trends in Asphalt Pavement Materials - A Global Perspective
Mark Bouldin, Shell Oil Company, UK

December 14 09:30 am - 10:10 am Pavilion Height

14F1K06: Keynote Lecture

Abdul Rawoof Pinjari, presiding

Emerging Transformative Developments in Travel Demand Modelling and
Applicability to Cities in the Developing World
Chandra Bhat, University of Texas at Austin, USA

December 14 10:20 am - 11:20 am Diwan-e-Aam 1

14F2S13: Bituminous Mixes – II

Mark Bouldin and Syam Nair, presiding

Effect of Mixing and Compaction Temperature on Dynamic Modulus of Modified
Binder Bituminous Mixtures (Paper I.D: 346)

Yoga Priyadarshini, Sonal Maheshwari, A. Padmarekha and J. Murali Krishnan

Fiber/Polymeric Compound for High Modulus Polymer Modified Asphalt (PMA)
(Paper I.D: 408)

Filippo Montanelli

Impact of Loading Frequency on the Fatigue Behavior of SBS Modified Asphalt
Mixtures (Paper I.D: 382)

Mansour Fakhri, Kaveh Hassani and Ali Reza Ghanizadeh

December 14 10:20 am - 11:20 am Pavilion Height

14F2S14: Pavement Maintenance

P K Jain and Manoranjan Parida, presiding

Development of a Hierarchical Structure to Identify Critical Maintenance
Components Affecting Road Safety (Paper I.D: 341)

Pradeep Kumar Agarwal, Vineet Jain and Uma Bhawsar

Preliminary Results towards Developing Thresholds for Pavement Condition
Maintenance: Safety Perspective (Paper I.D: 455)

Srinivas S. Pulugurtha, Vincent Ogunro, Miguel A. Pando, Kuvleshay J. Patel and Agyeman Bonsu

Calibration of HDM-4 Emission Models for Indian Conditions (Paper I.D: 342)

Chandrama Prasad, Aravind Krishna Swamy and Geetam Tiwari

December 14

10:20 am - 11:20 am

Pavilion of China

14F2S15: Demand Forecasting

Karthik K. Srinivasan and Naveen Eluru, presiding

Investigation of Alternate Behavioural Frameworks for Mode Choice Decisions of Workers in Chennai City (Paper I.D: 394)

K. Parthan and Karthik K. Srinivasan

Use of Artificial Intelligence for Mode Choice Analysis and Comparison with Traditional Multinomial Logit Model (Paper I.D: 428)

Sarada Pulugurta, Ashutosh Arun and Madhu Errampalli

A Post-Processing Technique for the Four-Step Travel Demand Modelling Executed Through a Feedback Loop (Paper I.D: 313)

Amit Kumar and Srinivas Peeta

December 14

10:20 am - 11:20 am

Pool View Pavilion

14F2S16: Pedestrian Flow – I

Purnima Parida and Gitakrishnan Ramadurai, presiding

Modelling Single File Pedestrian Motion across Cultures (Paper I.D: 344)

Ujjal Chattaraj, Armin Seyfried, Partha Chakroborty and Manoj Kumar Biswal

Modelling Pedestrian Delay at Signalized Intersection Crosswalks under Mixed Traffic Condition (Paper I.D: 429)

S.Marisamynathan and P. Vedagiri

Speed Distribution Curves for Pedestrians during Walking and Crossing (Paper I.D: 296)

Satish Chandra and Anish Kumar Bharti

December 14

11:20 am - 11:50 am

Exhibition Court

Tea

December 14

11:50 am - 01:30 pm

Diwan-e-Aam 1

14F3S17: Analysis and Modelling of Traffic Streams – IV

Akhilesh Kumar Maurya and Avijit Maji, presiding

Heterogeneous Traffic Flow Modelling Using Macroscopic Continuum Model (Paper I.D: 418)

Ranju Mohan and Gitakrishnan Ramadurai

Exploring the Behavior of LWR Continuum Models of Traffic Flow in Presence of Shock Waves (Paper I.D: 458)

Durgesh Vikram, Partha Chakroborty and Sanjay Mittal

Studying Platoon Dispersion Characteristics under Heterogeneous Traffic in India (Paper I.D: 460)

Jijo Mathew, Helen Thomas, Anuj Sharma, Lelitha Devi and Laurence Rilett

Method of Identifying Low Performance Vehicles in Heterogeneous Traffic on Two-Lane Highways (Paper I.D: 470)

Pritam Saha, Antaripa Bhadra, Nagendra S. Reddy and Ashoke Kumar Sarkar

A Comprehensive Analysis of the Association of Highway Traffic with Winter Weather Conditions (Paper I.D: 351)

Sandeep Datla, Prasanta Sahu, Hyuk-Jae Roh and Satish Sharma

December 14

11:50 am - 01:10 pm

Pavilion Height

14F3S18: Bus Transit and Regional Transport

Florian M Heinitz and Sekhar Somenahalli, presiding

Development of a Hub and Spoke Model for Bus Transit Route Network Design (Paper I.D: 364)

Amalingayya B. Hosapujari and Ashish Verma

Real-Time Optimal Bus Scheduling for a City Using a DTR Model (Paper I.D: 379)

Makrand Wagale, Ajit Pratap Singh, Ashoke K. Sarkar And Srinivas Arkatkar

Evaluation of Area Traffic Management Measures Using Microscopic Simulation Model (Paper I.D: 329)

Harsha Priya K., K.V.R. Ravi Shankar, C.S.R.K. Prasad and T.S. Reddy

Micro Simulation Based Performance Evaluation of Delhi Bus Rapid Transit Corridor (Paper I.D: 443)

Gautam Raj G., Ch. Ravi Sekhar and S. Velmurugan

December 14

11:50 am - 01:30 pm

Pavilion of China

14F3S19: Transport Safety –III

Geetam Tiwari and Sabyasachee Mishra, presiding

A Methodology for Ranking Road Safety Hazardous Locations Using Analytical Hierarchy Process (Paper I.D: 336)

Pradeep Kumar Agarwal, Premit Kumar Patil and Rakesh Mehar

Examining the Continuum of Injury Severity: Pooling the GES and FARS Datasets (Paper I.D: 420)

Shamsunnahar Yasmin, Abdul R. Pinjari and Naveen Eluru

Modelling Severity Level in Multi-Vehicle Collision on Indian Highways (Paper I.D: 451)

Ranja Bandyopadhyaya and Sudeshna Mitra

A Systematic Approach for Formulation of a Road Safety Improvement Program in India (Paper I.D: 367)

Rakesh Mehar and Pradeep Kumar Agarwal

December 14

11:50 am - 01:30 pm

Pool View Pavilion

14F3S20: Intelligent Transportation System

Tom Mathew and Lelitha Devi Vanajakshi, presiding

Day-Wise Travel Time Pattern Analysis under Heterogeneous Traffic Conditions (Paper I.D: 322)

B. Anil Kumar, Lelitha Vanjakshi and Shankar C. Subramanian

Online Coordination of Signals for Heterogeneous Traffic Using Stop Line Detection (Paper I.D: 386)

Sadguna Nulia and Tom V. Mathew

Short Term Traffic Flow Prediction for a Non-Urban Highway Using Artificial Neural Network (Paper I.D: 407)

Kranti Kumar, M. Parida and V. K. Katiyar

Low Carbon Mobility Plans: A Case Study of Ludhiana, India (Paper I.D: 468)

Sudeep Grover, G. Tiwari and K. Ramachandra Rao

Multimodal Public Transit Trip Planner with Real-Time Transit Data (Paper I.D: 375)

Nilesh Borole, Dillip Rout, Nidhi Goel, P. Vedagiri and Tom V. Mathew

December 14

01:10 pm - 02:30 pm

Exhibition Court

Lunch

December 14 02:30 pm - 03:10 pm Diwan-e-Aam 1

14A1K07: Keynote Lecture

Partha Chakroborty, presiding

Integrating Demand, Supply and Uncertainty Considerations for Disaster Response Planning and Evacuation Operations

Srinivas Peeta, Purdue university, USA

December 14 02:30 pm - 03:10 pm Pavilion Height

14A1K08: Keynote Lecture (topic to be announced)

G.P.JayaPrakash, presiding

Development of Indian Highway Capacity Manual (Indo-HCM) - An Overview

S. Gangopadhyay, CSIR-CRRI, India

December 14 03:20 pm - 04:20 pm Diwan-e-Aam 1

14A2S21: Bituminous Mixes – III

Raj Dongre and Aravind Krishna Swamy, presiding

Laboratory Evaluation of SMA Mixes Prepared With SBS Modified and Neat Bitumen. (Paper I.D: 437)

S.S. Awanti

Effect of Waveform, Duration and Rest Period on the Resilient Modulus of Asphalt Mixes (Paper I.D: 332)

Ali Reza Ghanizadeh and Mansour Fakhri

Laboratory Investigation on Use of Fly Ash Plastic Waste Composite in Bituminous Concrete Mixtures (Paper I.D: 417)

Umadevi Rongali, Gagandeep Singh, Anita Chourasiya and P.K. Jain

December 14 03:20 pm - 04:20 pm Pavilion Height

14A2S22: Concrete Pavement

Animesh Das and V V L K Rao, presiding

Effect of Perlite on Thermal Conductivity of Self Compacting Concrete (Paper I.D: 300)

Abhijeet S. Gandage, V.R. Vinayaka Rao, M.V.N. Sivakumar and A. Vasan, M. Venu and A.B. Yaswanth

Studies on Characterization of Pervious Concrete for Pavement Applications (Paper I.D: 304)

M. Uma Magesvaria and V.L. Narasimha

Estimation of Critical Stress in Jointed Concrete Pavement (Paper I.D: 412)

Swati Roy Maitra, K.S. Reddy and L.S. Ramachandra

December 14

03:20 pm - 04:20 pm

Pavilion of China

14A2S23: Traveller Behaviour – II

Srinivas Peeta and Ashish Verma, presiding

Modelling Automobile Drivers' Toll-Lane Choice Behaviour at a Toll Plaza Using Mixed Logit Model (Paper I.D: 426)

Hemangini Parmar, Partha Chakroborty and Debasis Kundu

Effect of Distributional Assumption of Random Parameters of Mixed Logit Model on Willingness-to-Pay Values (Paper I.D: 430)

Santanu Ghosh, Bhargab Maitra and Sudhanshu Sekhar Das

Modelling Trip Attributes and Feasibility Study of Co-ordinated Bus for School Trips of Children (Paper I.D: 363)

S. M. Dave, D. P. Raykundaliya and S. N. Shah

December 14

03:20 pm - 04:20 pm

Pool View Pavilion

14A2S24: Pedestrian Flow – II

S. Gangopadhyay and Armin Seyfried, presiding

Behavioural Characteristics of Pedestrian Flow on Stairway at Railway Station (Paper I.D: 444)

Jiten Shah, G. J. Joshi and Purnima Parida

Effect of Vehicular Lanes on Pedestrian Gap Acceptance Behaviour (Paper I.D: 392)

B. Raghuram Kadali and P. Vedagiri

Empirical Studies on Impacts of Obstacle inside Corridor on Pedestrian Flow (Paper I.D: 350)

Partha Chakroborty, Arumuga Subhashini and Ujjal Chattaraj

December 14

04:20 pm - 04:50 pm

Exhibition Court

Tea

December 14

04:50 pm - 05:50 pm

Diwan-e-Aam 1

14A3S25: Pavement Design

P K Jain and Aravind Krishna Swamy, presiding

Influence of Air Voids of Hot Mix Asphalt on Rutting within the Framework of Mechanistic-Empirical Pavement Design (Paper I.D: 310)

Neethu Roy, A. Veeraragavan and J. Murali Krishnan

Implementation and Proof-Checking of Mechanistic-Empirical Pavement Design for Indian Highways Using AASHTOWARE Pavement ME Design Software (Paper I.D: 345)

Arpan Ghosh, Padmarekha and J. Murali Krishnan

Perpetual Pavement – A Boon for the Indian Roads (Paper I.D: 422)

Chandan Basu, Atasi Das, Pavanaram Thirumalasetty and Tanmay Das

December 14

04:50 pm - 05:50 pm

Pavilion Height

14A3S26: Pavement Condition Evaluation

B. B. Pandey and Dharamveer Singh, presiding

Method for Automated Assessment of Potholes, Cracks and Patches from Road Surface Video Clips (Paper I.D: 298)

Lokeshwor Huidrom, Lalit Kumar Das and S.K. Sud

Development of Relationship between Roughness (IRI) and Visible Surface Distresses: A Study on PMGSY Roads (Paper I.D: 369)

J. Rajendra Prasad, Shalini Kanuganti, Pooja N. Bhanegaonkar, Ashoke Kumar Sarkar and Shrinivas Arkatkar

Development of Overall Pavement Condition Index for Urban Road Network (Paper I.D: 402)

Yogesh U.Shah, S.S. Jain, Devesh Tiwari and M.K. Jain

December 14

04:50 pm - 05:50 pm

Pavilion of China

14A3S27: Transport Policy and Operations

Ashish Verma and Valsala C Nair, presiding

Controlling Vehicle Overloading in BOT Projects (Paper I.D: 424)

Swapan Bagui, Atasi Das and Chiranjeevi Bapanapalli

Strategies to Reduce Energy Use from Commuting by Employees (Paper I.D: 343)

Anantha Lakshmi Paladugula and Sujaya Rathi

Examining the Distribution of the Elderly and Accessibility to Essential Services
(Paper I.D: 312)

Sekhar Somenahalli and Matthew Shipton

December 14

04:50 pm - 05:50 pm

Pool View Pavilion

14A3S28: Transport Safety – IV

Geetam Tiwari and Sudheshna Mitra, presiding

Impact of Elderly Road Users Characteristics at Intersection (Paper I.D: 388)

Radha J. Gonawala, Niraj B. Badami, Fatima Electicwala and Rakesh Kumar

Study of Relation between Actual and Perceived Crash Risk (Paper I.D: 453)

Pankaj Prajapati and Geetam Tiwari

Training Needs Analysis: A Case Study of Loco Pilots (Paper I.D: 297)

Reetesh Rikku and Neelima Chakrabarty

December 15

09:30 am - 10:10 am

Diwan-e-Aam 1

15F1K09: Keynote Lecture

Harikishan K. Reddy, presiding

Indian Highways - Key Challenges

S.K. Dixit, Oriental Structural Engineers Pvt Ltd., India

December 15

10:20 am - 11:20 am

Diwan-e-Aam 1

15F2S29: Bituminous Mixes – IV

Dharamveer Singh and Mansour Fakhri, presiding

A Performance-Based Evaluation of Superpave Design Gyration for High Traffic Surface Mixes (Paper I.D: 317)

N Paul Khosla and Dinesh Ayyala

Evaluation of Field Performance of Warm-Mix Asphalt Pavements in India (Paper I.D: 348)

Ambika Behl, Gajendra Kumar, Girish Sharma and P.K. Jain

Constituent Proportioning in Recycled Asphalt Mix with Multiple RAP Sources (Paper I.D: 353)

Karanjeet Kaur, Aravind Krishna Swamy and Animesh Das

December 15

10:20 am - 11:20 am

Pavilion Height

15F2S30: Pavement Subgrade and Construction

M N Nagabhushan and Arindam Dey, presiding

Influence of Sand on Strength Characteristics of Cohesive Soil for Using as Subgrade of Road (Paper I.D: 301)

Tapas Kumar Roy

Use of Various Agricultural and Industrial Waste Materials in Road Construction (Paper I.D: 314)

Aditya Kumar Anupam, Praveen Kumar and G D Ransinchung R.N.

Selection of Equipment for Construction of a Hilly Road Using Multi Criteria Approach (Paper I.D: 438)

Virender Singh Phogat and Ajit Pratap Singh

December 15

10:20 am - 11:20 am

Pavilion of China

15F2S31: Traveller Behaviour – III

Karthik K. Srinivasan and Naveen Eluru, presiding

Analysis and Modelling of Activity-Travel Behaviour of Non-Workers from a City of Developing Country, India (Paper I.D: 358)

M. Manoj and Ashish Verma

Tour-Based Departure Time Models for Work and Non-Work Tours of Workers (Paper I.D: 396)

Vishnu B. and Karthik K. Srinivasan

Spatial Transferability of Tour-Based Time-of-Day Choice Models: An Empirical Assessment (Paper I.D: 463)

Sujan Sikder, Bertho Augustin, Abdul Rawoof Pinjari and Naveen Eluru

December 15

10:20 am - 11:20 am

Pool View Pavilion

15F2S32: Pedestrian Operations

Armin Seyfried and Neelima Chakrabarty, presiding

Level of Service Criteria of Off-Street Pedestrian Facilities in Indian Context Using Affinity Propagation Clustering (Paper I.D: 315)

Rima Sahani and P. K. Bhuyan

Conception, Development, Installation and Evaluation of a Real Time Evacuation Assistant for Complex Buildings (Paper I.D: 447)

Armel Ulrich Kemloh Wagoum and Armin Seyfried

Economic Impact of Pedestrianisation in Historic Urban Centre, the Valdemoro Case – Study (Spain) (Paper I.D: 404)

Julián Sastre, Ana Sastre, Ana Maria Gamo and Tomás Gaztelu

December 15

11:20 am - 11:50 am

Exhibition Court

Tea

December 15

11:50 am - 12:50 pm

Diwan-e-Aam 1

15F3S33: Pavement Performance

Ashoke Kumar Sarkar and Rakesh Kumar, presiding

Comparison of Fatigue Resistance of HMA and WMA Mixtures Modified by SBS
(Paper I.D: 385)

Mansour Fakhri, Ali Reza Ghanizadeh and Hamed Omrani

Dynamic Modulus-Based Field Rut Prediction Model from an Instrumented
Pavement Section (Paper I.D: 405)

Nur Hossain, E.I., Dharamveer Singh and Musharraf Zaman

Rutting in Flexible Pavement: An Approach of Evaluation with Accelerated
Pavement Testing Facility (Paper I.D: 425)

Shahbaz khan, M.N.Nagabhushana, Devesh Tiwarica and P.K. Jain

December 15

11:50 am - 12:50 pm

Pavilion Height

15F3S34: Transport Finance

Vinod Vasudevan and Sujaya Rathi, presiding

Transportation Infrastructure, Foreign Direct Investment and Economic Growth
Interactions in India: the ARDL Bounds Testing Approach (Paper I.D: 292)

Rudra P. Pradhan, Neville R. Norman, Yuosre Badir and Bele Samadhan

Establishing Criteria and Their Weights for Evaluating Transportation Funding
Alternatives Using a Delphi Survey (Paper I.D: 326)

Sasanka Bhushan Pulipati and Stephen P. Mattingly

A Scientific Approach to Prioritizing Highway Infrastructure Investment Schemes
(Paper I.D: 337)

Jeena Pradeep and Valsala C. Nair

December 15

11:50 am - 12:50 pm

Pavilion of China

15F3S35: Traffic Operations

Anuj Sharma and Mallikarjuna C, presiding

A Dynamic Offset Model Based on Stop Line Detector Information (Paper I.D: 349)

Soumya Nair, Pulakesh Upadhyaya and Tom V Mathew

Analysis of Worst Case Stochastic Link Capacity Degradation to Aid Assessment of
Transportation Network Reliability (Paper I.D: 359)

B. K. Bhavathrathan and Gopal R. Patil

Model Based Traffic Control in Indian Conditions (Paper I.D: 389)

Vincy Verghese, Shankar C. Subramanian and Lelitha Vanajakshi

December 15 12:50 pm - 02:00 pm Exhibition Court
Lunch

December 15 02:00 pm - 04:00 pm Diwan-e-Aam 1
15A1W01: Workshop
S. Velmurugan and Sujaya Rathi, presiding
Passenger and Freight Transport Modes and Inter-modal issues

December 15 02:00 pm - 04:00 pm Diwan-e-Aam 2
15A1W02: Workshop
Partha Chakroborty and Akhilesh Kumar Maurya, presiding
Traffic Operations, Management and Control

December 15 02:00 pm - 04:00 pm Pavilion Height
15A1W03: Workshop
Animesh Das and Dharamveer Singh, presiding
Pavement Engineering and Management

December 15 02:00 pm - 04:00 pm Pool View Pavilion
15A1W04: Workshop
Harikishan K Reddy and Vinod Vasudevan, presiding
Sustainable Transport Planning and Policy

December 15 02:00 pm - 04:00 pm Pavilion of China
15A1W05: Workshop
Bhargab Maitra and K. Ravinder, presiding
Travel Behaviour and Demand Analysis

December 15 04:10 pm - 04:40 pm Diwan-e-Aam 1
Closing Session