

## Sustainable Infrastructure, Mobility and Planning

### Oral Presentation

#### Session 1.1: Planning and Policy

Time: 11:15 am - 12:45 pm

Venue: Room Number: 11, VMCC

ID Title

- 29 Understanding the Patterns of Metropolisation in India
- 62 Informal Settlements and Workplace Spatial Dynamics: A Case Study of Vijayawada
- 82 Informal Settlement as a Self-Sufficient Responsive Neighbourhood: A Case of Hollywood Basti-Gulbai Tekra, Ahmedabad
- 90 Cities in Transition: Spatial Clustering of Knowledge-Based Industry in Pune Metropolitan Area
- 123 Nudge Theory in Urban Planning and Public Policy
- 160 Identifying Villages in Transition in Maharashtra for Development Planning

#### Session 1.2: Smart Technologies and Planning

Time: 11:15 am - 12:45 pm

Venue: Room Number: 13, VMCC

ID Title

- 5 ICT and its Use in Solid Waste Collection Systems for Route Optimisation
- 23 Two-Way Crisis Communication System between Government Agencies for Disaster Communication: Case of Government of Nepal
- 64 Inducing Dynamism in the Process of Planning through Crowdsourced Geo Tagged Photographs
- 69 Implications of E-Commerce: A case of Gurugram
- 132 Urban Envelope: Quantifying Auditory and Visual Realm through Deep Learning Techniques

#### Special Session: Network Science and Smart Planning

Time: 01:45 pm - 02:45 pm

Venue: Room Number: 11, VMCC

#### Session 1.3: Housing and Neighbourhood Planning

Time: 04:00 pm - 05:30 pm

Venue: Room Number: 12, VMCC

ID Title

- 36 A Descriptive Analysis of Rehabilitation & Resettlement Policies in India through Policy Feedback Approach and Metaphors of Policy Process Approaches
- 72 Assessment of Aesthetics and Functionality of Urban Parks by User Perception: A Case Study of Lucknow
- 84 Evaluation of the Performance of Permeable and Porous Pavements in Urban Landscape
- 103 A Safe Space: Influence of the Experience of Space in the Red Light District in Mother-Child Sexual Health Communication
- 119 Co - Living: Outreach and Performance': A Case Study of Latest Form of Urban Rental Housing in Noida and Gurugram
- 145 Evaluation of Hedonic Price Models that Explain Transit Induced Impact on Housing Prices

**Session 1.4: Sustainable Mobility and Transportation Planning I**

Time: 04:00 pm - 05:30 pm

Venue: Room Number: 14, VMCC

ID	Title
49	System Dynamics Model for Urban Transportation System to Reduce Fuel Consumption and Fuel Emission
58	Investigating Urban Mobility Challenges in Hill Cities: A Case of Shillong
130	Promoting Active School Transportation
134	The Value of a Life: Potentials and Challenges for Road Safety of Non-motorised Transport Users in Ahmedabad
140	Utility Based Road Space Distribution Model for Vehicles, Pedestrian, Parking and Hawkers
152	Understanding the Household Transportation Characteristics in Calicut City using System Dynamics

**Session 1.5: Sustainable Planning and Infrastructure Development**

Time: 05:30 pm - 07:00 pm

Venue: Room Number: 11, VMCC

ID	Title
22	Strategic Planning for Greenfield Cities: An Evaluation of Efficiency and Smartness
25	Pilgrimage City Sustainability Framework: A Case of Selected Cities of Tamil Nadu
104	Assessment of Climate Action for Facilitating Sustainable Infrastructure and Planning In a City: Case Study of Pune
105	Improving Coastal Management in Indian Cities: Index-Based Approach for Decision-Makers
147	Integrated Urban Water and Energy Balance for Urban Planning

**Session 1.6: Sustainable Mobility and Transportation Planning II**

Time: 05:30 pm - 07:00 pm

Venue: Room Number: 13, VMCC

ID	Title
34	A Discrete Choice Approach for Car Ownership, Transport Mode and Location Choices
48	Gap Analysis of Access and Egress Service Quality: A Case of Delhi Metro
50	Determining Criteria Weights for Locating Park-and-Ride Facility
89	Does Socioeconomic Characteristics Affect the Travel Time and Transport Perception? Insights from Mumbai, India
97	Evaluating Commuters' Preferences and Expectations toward Sharing Auto-Rickshaw System

**Theme 1: Sustainable Infrastructure, Mobility and Planning**

Time: 02:45 pm - 04:00 pm

Venue: Ground Floor Foyer, VMCC

ID	Paper Title
4	No Road Cities: A Study on the Effects of Road Infrastructure on Land Use, Environmental Quality and Human Life
13	Framework for Urban Freight Mobility Index
14	Sustainable Urban Freight Strategies for Shimla City, India
15	Planning a Future for Thane's Environmental Assets and Built Heritage
18	Examining Environmental and Policy Failures leading up to the Kerala Floods, 2018-19
27	Sustaining Economic Vibrancy by Planning Commute Modes: A Case of Ahmedabad
28	Impact of Urban Heat Island Effect and Traffic Congestion on Energy Demand: A Case Study of Thrissur, Kerala, India
30	Links between Economic Variables and Cycling: The Indian Metropolitan Experience
37	Balancing Infrastructure Development with Sustainability Goals
41	Role of Park and Ride Facility on Urban Mobility Management
47	Urban Solid Waste Management: Case of Nagpur City, India
51	Impact of Urban Infrastructure Development on the Urban Poor in Developing Country
53	Socio-cultural Dimensions of Sustainable Neighbourhood
56	Strategies for Sustainable, Efficient and Economic Integration of Public Transportation Systems
57	Impact of Incorporating External cost of Transport
59	Assessment of Development Control Regulations in the context of Transit Oriented Development
74	Comprehensive Measurement for Urban Transport Infrastructure in India
85	The Homicide of City's Legibility
92	Ranking Development Potentials of Metro Station Areas using AHP: A Case of Lucknow
93	Assessment of Social Cost for Limited stop Bus Transit operations in Durg-Raipur
94	A systematic review of High Speed Railway's urban socio-economic impact across the globe
96	Multi-Attribute Decision Making in Life cycle Sustainability Assessment's Advancement
116	Urban Revitalization: A Systematic Approach towards Unfolding History while Preserving Future
143	Multimodal Transportation in Mumbai: Assessing the User Behaviour
148	Travel Behaviour Dynamics of Tenants who chose to Relocate Closer to Metro Stations
151	Examining the Travel Behaviour of Neighbourhoods in Relation to Carbon Footprints: A Case Study of Pune
154	Sustainability Assessment of Coastal Tourism Sector in Fort Kochi and Cherai Beach in Ernakulum, Kerala
155	Assessment of Urban Foodbowl using Spatiotemporal Analysis of Urban Growth
156	Spatial Distribution of Socio-Economic Factors and its Impact on Urban Land Use Dynamics using Agent Based Modeling
157	Accuracy Comparison of Supervised and Unsupervised Machine Learning Techniques for UAV Datasets
158	Need for Integrated Planning of Environmental Services for Small Town: A Case Study
161	Understanding the Implications of the Loss of Peri-urban Arable Land on an Urban System: A Case of Pune Metropolitan Region