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Titolo	Recent Advances in Transportation Systems Engineering and Management—Volume 1 : Selected Proceedings of CTSEM 2023 // edited by K. V. R. Ravi Shankar, C. S. R. K. Prasad, C. Mallikarjuna, S. N. Suresha
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Descrizione fisica	1 online resource (407 pages)
Collana	Lecture Notes in Civil Engineering, , 2366-2565 ; ; 544
Disciplina	388.312
Soggetti	Transportation engineering Traffic engineering Construction industry - Management Bituminous materials Transportation Technology and Traffic Engineering Construction Management Asphalt, Bitumen
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Safety assessment of horizontal curves employing lane comparison, vehicle type comparison based on single mode and multi-mode reliability analysis. -- Safety Assessment at Unsignalized Intersections Using Conflict Technique -- Manoeuvre Detection and Modelling Acceleration/Deceleration Behaviour at Signalized Intersections through Instrumented Vehicles -- A Study on Driver's Behaviour at Unsignalized Intersections under Mixed Traffic Scenario -- Gaze Behaviour of Drivers while lane changing at Queuing on Toll Plazas -- Driver Behaviour Analysis on Rural National Highway: A Case Study -- Investigation of risky driving behaviour of right-turning vehicles at unsignalized T-intersections using Multiple Correspondence Analysis -- Enhancing Road Safety of Intercity Public Transport Along Key Corridors Through Driver Monitoring System and Alert Analysis -- Prediction of Carbon Monoxide Concentrations at Signalized Intersections Using Computational Techniques -- Artificial Neural Networks for Traffic

Speed Management: A Comparative Study of ANPR and TIRTL Systems for Identifying Over-Speeding Vehicles -- Reliability Analysis of Crest Vertical Curves on Two Lane Highways -- Traffic flow characteristics at diverging section of four-lane divided urban roads -- Development of a Composite Index for Assessing Metro Interchanges Based on User Perception.

Sommario/riassunto

The book presents select proceedings of the 9th Conference on Transportation Systems Engineering and Management (CTSEM 2023). It broadly covers areas of transportation engineering, namely traffic engineering and safety, transportation planning and pavement engineering. In particular, the book delves into the current research in specific areas including but not limited to intelligent transportation systems and applications, public transport planning and management, urban and regional transportation planning, freight transport and logistics, traffic flow modeling and management, highway design and maintenance, pavement materials and characterization, accident investigations and crash preventive measures, pedestrian facilities and safety, pavement design and construction, pavement evaluation and management, and sustainable transportation. It also sheds light on topics like Artificial Intelligence (AI), big data and the Internet of Things (IoT), and their application in transportation systems. This book will be a valuable resource for researchers and professionals in transportation engineering and civil engineering. .