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| 1. | Record Nr. | UNINA990003639280403321 |
| | Autore | Packer, Herbert L. |
| | Titolo | Ex communist witness / H. Packer |
| | Pubbl/distr/stampa | Stanford : s.e., 1962 |
| | Locazione | DECSE |
| | Collocazione | SE 40B.06.034- |
| | Lingua di pubblicazione | Italiano |
| | Formato | Materiale a stampa |
| | Livello bibliografico | Monografia |
-
- | | | |
|----|-------------------------|---|
| 2. | Record Nr. | UNISALENTO991003230839707536 |
| | Titolo | Enciclopedia della fisica / a cura di Roberto Fieschi |
| | Pubbl/distr/stampa | Milano : ISEDI, 1976 |
| | Descrizione fisica | v. ; 25 cm |
| | Altri autori (Persone) | Fieschi, Roberto |
| | Disciplina | 530.03 |
| | Soggetti | Fisica - Enciclopedie e dizionari |
| | Lingua di pubblicazione | Italiano |
| | Formato | Materiale a stampa |
| | Livello bibliografico | Monografia |

3. Record Nr.	UNINA9910743239103321
Titolo	Proceedings of the Fifth International Conference of Transportation Research Group of India : 5th CTRG Volume 2 // edited by Akhilesh Kumar Maurya, Bhargab Maitra, Rajat Rastogi, Animesh Das
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	981-16-8258-5 981-16-8259-3
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (562 pages)
Collana	Lecture Notes in Civil Engineering, , 2366-2565 ; ; 219
Disciplina	380.5
Soggetti	Transportation engineering Traffic engineering Engineering - Data processing Buildings - Design and construction Quantitative research Transportation Technology and Traffic Engineering Data Engineering Building Construction and Design Data Analysis and Big Data
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Intro -- Preface -- About TRG and CTRG -- List of Reviewers -- Contents -- About the Editors -- Estimation and Comparison of Saturation Flow at Signalized Intersection in Mixed Traffic Condition -- 1 Introduction -- 2 Objectives and Scope of Study -- 3 Literature Review -- 4 Study Area, Data Collection, and Extraction -- 5 Estimation of Saturation Flow -- 6 Discussions and Conclusions -- 6.1 Comparison of the Estimated Saturation Flow with the Saturation Flow Proposed by Different Authors -- 6.2 Conclusion -- 7 Future Scope -- References -- Value Capture Finance: An Innovative Tool for Financing Urban Rail Transit Projects -- 1 Introduction -- 2 VCF Methods in Practice -- 2.1 Land Value Tax -- 2.2 Fees for Change in Land Use -- 2.3 Betterment Levy -- 2.4 Development Charge (Impact Fee) -- 2.5

Transfer of Development Rights (TDR) -- 2.6 Premium on Additional FSI/FAR -- 2.7 Vacant Land Tax (VLT) -- 2.8 Tax Increment Financing (TIF) -- 2.9 Land Pooling System -- 3 Literature Study for VCF Implementation -- 3.1 International Case Studies -- 3.2 Indian Case Studies -- 4 Case Study of Nagpur Metro Phase II -- 4.1 Ridership and Fare Box Revenue -- 5 VCF Implementation in Nagpur -- 5.1 Study Methodology -- 6 Nagpur TOD Policy -- 6.1 Maximum Permissible FSI -- 6.2 Payable Premium -- 6.3 Permissibility of Mixed Use in NMRC -- 7 Real Estate Market Study -- 8 Revenue Assessment from VCF Sources -- 8.1 Premium on Sale of Additional FSI -- 8.2 Additional Surcharge on Property Transactions -- 8.3 Increase in Development Charge -- 9 VCF from Supply Side -- 9.1 Built-Up Area Estimation and Land Supply -- 9.2 Revenue Assessment -- 10 VCF from Demand Side -- 10.1 Methodology for Estimation of Residential Demand -- 10.2 Methodology for Estimation of Commercial Demand -- 10.3 Corridor-Wise Estimation of Residential and Commercial Demand -- 10.4 Revenue Assessment.

11 Estimation of Revenue from Property Development -- 12 Financial Analysis -- 13 Conclusion -- References -- Analysis of the Key Determinants of Electric Two-Wheeler Use in the Indian Context -- 1 Introduction -- 2 Literature Review -- 3 Prioritization of Attributes -- 3.1 Data Collection -- 3.2 Analytical Hierarchy Process (AHP) Analysis -- 3.3 Results -- 4 Consistency Test -- 4.1 Friedman Test -- 5 Discussions -- 6 Conclusions -- References -- Speed and Headway Behaviour of Motorcycles on an Exclusive Motorcycle Lane -- 1 Introduction -- 2 Study Area and Data Collection -- 3 Speed Behaviour of Motorised Two-Wheelers -- 4 Headway Behaviour of MTW -- 4.1 Statistical Validation -- 5 Conclusions -- References -- Performance Evaluation and Enhancement of Unsignalized Intersection Using Microsimulation in VISSIM -- 1 Introduction -- 2 Literature Survey -- 3 Methodology -- 3.1 Data Requirements -- 3.2 Vehicle and Intersection Geometry Representation -- 3.3 Traffic Representation -- 3.4 Simulation with Default Parameters -- 3.5 Sensitivity Analysis -- 3.6 Latin Hypercube Sampling and Multiple Linear Regression -- 3.7 Model Optimization by Genetic Algorithm -- 3.8 Validation -- 3.9 Performance Evaluation -- 4 Study Area, Data Collection, and Analysis -- 4.1 Data Extraction -- 4.2 Development of VISSIM Model -- 4.3 Simulation with Default Parameters -- 4.4 Analysis of Variance -- 4.5 LHS and Multiple Linear Regression -- 4.6 Model Optimization Using GA -- 4.7 Validation -- 4.8 Performance Evaluation -- 4.9 Traffic Management Using Signal-Controlled Intersection -- 5 Conclusion -- References -- Modeling Phase Changing Behavior of Traffic Constables at Manually Controlled Intersection-A Case Study in India -- 1 Introduction -- 2 Literature Review -- 3 Methodology -- 3.1 Phase Change Model -- 3.2 Phase Change Model Validation.

3.3 Determination of Critical Phase Times -- 4 Case Study -- 4.1 Calibration of Phase Change Model -- 4.2 Validation of Phase Change Model -- 4.3 Calculation of Critical Phase Times -- 5 Summary and Conclusion -- References -- Cost-Effective Analysis for Electric Vehicle (EV) Bus Procurement -- 1 Introduction -- 2 Background of the Study -- 3 Methodology -- 4 Major Components of Procurement and Operational Cost -- 4.1 Procurement and Operational Cost in Outright Purchase Model -- 4.2 Procurement and Operational Cost in GCC Model -- 4.3 Cost Calculations for GCC and Outright Purchase Model -- 5 Conclusion -- 6 Policy Implications and Recommendations -- 7 Limitations and Future Scope -- References -- Effect of Traffic Flow Characteristics on Saturation Flow at Signalized Intersections of Ahmedabad City -- 1 Introduction -- 2 Literature Review -- 3

Methodology -- 3.1 Pilot Survey -- 3.2 Data Collection -- 3.3 Data
 Extraction -- 4 Data Analysis -- 4.1 Traffic Composition -- 4.2
 Determination of Saturated Green Time -- 4.3 Variation of Composition
 with Respect to PCU -- 5 Saturation Flow Model Development -- 6
 Sensitivity Analysis -- 7 Model Validation -- 8 Modification of INDO
 HCM -- 8.1 Validation -- 9 Conclusion -- References -- Simulation-
 Based Optimization for Heterogeneous Traffic Control -- 1 Introduction
 -- 2 Review of Literature -- 2.1 Optimal Signal Control Design -- 2.2
 Simulation-Based Optimization in Optimal Traffic Signal Control Design
 -- 3 Study Area and Input Data -- 4 Methodology -- 4.1 Problem
 Formulation -- 4.2 Implementation of SO Algorithm -- 5 Results
 and Discussion -- 5.1 Signal Design Using Conventional Webster
 and HCM Methods -- 5.2 Signal Design Based on the Proposed SO
 Method -- 6 Summary -- References -- Intersection Identification
 Using Large-Scale Vehicle Trajectory Data -- 1 Introduction -- 2
 Methodology.
 2.1 Turning Point Extraction -- 2.2 Density-Based Clustering -- 2.3
 Cluster Analysis -- 3 Experiment -- 3.1 Data Used -- 3.2 Turning Point
 Extraction and Clustering -- 3.3 DDI and TDI Filtering -- 4 Results -- 5
 Conclusion -- References -- Crowd Density Prediction Using Kalman
 Filtering Technique -- 1 Introduction -- 2 Literature Review -- 3 Study
 Location, Data Collection and Extraction -- 4 Analysis -- 4.1
 Comparison of Densities -- 4.2 Predicting Densities Using KFT -- 4.3
 Corroboration of Results -- 5 Conclusion -- References -- Calibration
 and Validation of VISSIM Parameters in Mixed Traffic -- 1 Introduction
 -- 2 Literature Review -- 2.1 The Merging Process -- 2.2 Modeling
 the Merging Capacity -- 2.3 Usage of VISSIM to Simulate Mixed Traffic
 -- 2.4 Gaps in Literature Review Pertaining to Mixed Traffic -- 3 Data
 Collection and Network Development in VISSIM -- 3.1 Field Data
 Collection -- 3.2 VISSIM Network Development -- 4 Calibration
 and Validation -- 4.1 Identification of Sensitive Parameters -- 4.2
 Calibration of VISSIM Parameters -- 4.3 Validation of VISSIM Model -- 5
 Effect of Ramp Traffic -- 6 Conclusion -- Appendix -- References --
 Lateral Gap Maintaining Behaviour of Vehicles from Road Median -- 1
 Introduction -- 2 Background -- 2.1 Impact of Median
 Divider/Shoulder on Lateral Placement of Vehicles -- 2.2 Impact
 of Operating Speed on Lateral Placement of Vehicles -- 3 Motivation
 and Objective -- 4 Study Methodology and Data Collection -- 5 Model
 Development and Validation -- 6 Concluding Remarks -- References --
 Assessment of Impact of Roadside Bus-Stops on Capacity of Urban
 Divided Roads Using Microscopic Simulation Model -- 1 Introduction --
 2 Data Collection and Extraction -- 3 Development of Simulation Model
 -- 3.1 Vehicle Generation -- 3.2 Vehicle Placement -- 3.3 Vehicle
 Movement -- 3.4 Object Oriented Programming Concepts.
 4 Model Calibration and Validation -- 5 Estimation of Capacity
 Reduction Due to Bus-Stops -- 5.1 Modification of the Model
 to Implement Bus-Stop -- 5.2 Validation of Bus-Stop Model
 and Estimation of Capacity Reduction -- 5.3 Effect of Change
 in Proportion of Buses on Capacity and Speed -- 6 Summary
 and Conclusions -- References -- State-of-Art on Data Mining
 and Microscopic Simulation Techniques for Evaluation of Urban
 Uncontrolled Intersections -- 1 Introduction -- 2 Methodology
 Followed for the Literature Investigation -- 3 State-of-Art on Soft
 Computing and Non-parametric Machine Learning/Data Mining
 Techniques for Performance Evaluation -- 4 State-of-Art
 on Microscopic Traffic Flow Simulation Techniques for Performance
 Evaluation -- 5 Conclusion -- References -- Assessing Spatial
 Accessibility to Amenities, Facilities, and Services from Public Transit

Using Non-motorized Transport: A Case of Nagpur City -- 1
Introduction -- 1.1 Relevance of the Study -- 2 Measures
and Indicators -- 3 Study Area and Data Sources -- 4 Data Analysis --
4.1 Macro-level Accessibility Analysis -- 4.2 Micro-level Accessibility
Analysis -- 5 Discussion and Conclusion -- References -- Study
of Driver's Behavior for Lateral Moving Vehicles -- 1 Introduction -- 2
Literature Review -- 3 Methodology -- 3.1 Site Selection -- 3.2 Data
Collection -- 3.3 Data Extraction -- 4 Data Analysis -- 5 Conclusion --
References -- Evaluation of Queue Discharge and Lane Occupancy Due
to Seepage Behaviour of Small Sized Vehicles at Intersection -- 1
Introduction -- 2 Literature Review -- 3 Methodology -- 3.1 Study
Location and Data Collection -- 3.2 Data Extraction and Analysis -- 3.3
Representation of the Queue Area and Area Occupied by the Vehicles
and Effective Utilization of the Queue Area by the Vehicles.
3.4 Determination of Variance in Lateral Movement and Lane Changing
Behaviour of Vehicles.

Sommario/riassunto

This book (in three volumes) comprises the proceedings of the Fifth Conference of Transportation Research Group of India (CTRG2019) focusing on emerging opportunities and challenges in the field of transportation of people and freight. The contents of the volume include characterization of conventional and innovative pavement materials, operational effects of road geometry, user impact of multimodal transport projects, spatial analysis of travel patterns, socio-economic impacts of transport projects, analysis of transportation policy and planning for safety and security, technology enabled models of mobility services, etc. This book will be beneficial to researchers, educators, practitioners and policy makers alike.
