1. Record Nr. UNINA9910879583103321

Autore	Jia Limin
Titolo	Developments and Applications in SmartRail, Traffic, and Transportation Engineering : Proceedings of ICSTTE 2023 / / edited by Limin Jia, Said Easa, Yong Qin
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	981-9736-82-X
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (971 pages)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 1209
Altri autori (Persone)	EasaSaid QinYong
Disciplina	629.04
Soggetti	Transportation engineering Traffic engineering Electrical engineering Computational intelligence Transportation Technology and Traffic Engineering Electrical and Electronic Engineering Computational Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part: I Uraban and transportation planning. Chapter 1. Weekday Travel Demand Distribution Pattern of Ride-Hailing Service Based on Didi Daily Order Data in BeijingWeekday Travel Demand Distribution Pattern of Ride-Hailing Service Based on Didi Daily Order Data in Beijing -- Chapter 2. A Study on Rural Vitality in Northwest Hilly Areas Based on PCA—A Case Study of Yigang Township in Tongwei County -- Chapter 3. Research on Spatial Layout of Diverse Integrated Landscape Tourism Corridor——A Case Study of G331 in Jilin Province -- Chapter 4. Analysis of Node Difference Degree of Expressway Network Based on Betweenness Model -- Chapter 5. Evaluation of Comprehensive Transportation Development Based on the Smart Growth Theory -- Chapter 6. Research on the Classification of Traffic Hub Cities in the Urban Agglomeration of the Yangtze River Delta -- Chapter 7. Waste Collection Route Optimization for the City of Oshawa -- Chapter 8. Research on Consumers' Willingness to Use Unmanned Delivery Cars in

Colleges and Universities -- Chapter 9. Characteristics of Various Freight Categories Transported on Expressway in China -- Chapter 10. Optimizing re-scheduling with fast-adapting networked multi-agent reinforcement learning -- Chapter 11. A Study on the Impact of Rapid Urbanization on Environment – a Case Study of Macao -- Chapter 12. Map Matching for Uncertain-coordinate-encryption GPS Trajectories based on Light-weight Convolutional Neural Network -- Chapter 13. Port Throughput Forecasting Based on Origin-Destination Freight Volume -- Chapter 14. A Traffic Flow Prediction Model Based on Time-space Fusion Mechanism -- Chapter 15. Research and Exploration on Application of Intelligent Operation and Maintenance of Subway -- Chapter 16. Navigation Strategy for Electric Vehicle Charging based on Traffic-Power Network Information -- Chapter 17. Area induction and cooperative control technology of multi lane highway with small spacing interchanges section based on MPC -- Chapter 18. Research on Road Driving Skills Analysis of Human Drivers Based on Traffic Datasets -- Chapter 19. Effect of External Appearances on Pedestrian Fixation Behaviors with Mid-Sized Vehicles: Virtual Reality-Based Research -- Part II: Highway Transportation:Operations and Management. Chapter 20. Adaptive Signal Control for Multiple Urban Road Intersections -- Etc.....

Sommario/riassunto

This book is a collection of original peer-reviewed contributions from the 2023 International Conference on SmartRail, Traffic, and Transportation Engineering, jointly organized by Beijing Jiaotong University, China Electrotechnical Society, Chinese Institute of Electronics and Central South University. It was held on July 28-30, 2023 in Changsha, China. Topics covered includes SmartRail systems, autonomous vehicles, energy efficiency, sustainable transportation, big data in transportation, and machine learning. Speakers discussed innovative technologies and strategies to improve the efficiency, reliability, and safety of rail networks, while exploring the opportunities and challenges of integrating autonomous vehicles into existing transportation networks. It provides valuable insights into the latest developments and trends in transportation engineering and technology, with a focus on electrification and sustainable transportation. It serves as a valuable resource for professionals, researchers, and students working in the field.