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Soggetti	Vehicles Transportation engineering Traffic engineering Telecommunication Electric power production Vehicle Engineering Transportation Technology and Traffic Engineering Communications Engineering, Networks Electrical Power Engineering
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Data Statistics of Station Transfer Volume Based on Spark Computing Engine -- Deep Learning Short-Time Interval Passenger Flow Prediction Based on Isomap Algorithm -- Prediction of Subway Interchange Passenger Flow Based on Recurrent Neural Network Time Characteristic Model -- Rail Transit Travel Planning Based on K Nearest Neighbor Path Retrieval Algorithm -- Research on Dynamic Passenger Flow Distribution of Rail Transit Based on Multi-dimensional Euclidean Distance -- Research on Interval Passenger Flow Statistics Based on AFC Data -- Research on Regional Rail Transit Based on Logit Model -- Study on Valid Travel Route Selection of Integrated Passenger Transportation -- Loading and Reinforcing Safety Evaluation of Railway

Out-of-Gauge Freight Considering the Dynamic Transportation Process -- Design of Rail Freight Products in the Arduous Mountainous Area on the Plateau under the Concept of Modern Logistics.

Sommario/riassunto

This book includes selected papers from the fourth International Conference on Smart Vehicular Technology, Transportation, Communication and Applications (VTCA 2021), held in Chengdu City, Sichuan Province, China, during May 22–24, 2021. The conference is technically co-sponsored by Southwest Jiaotong University, Shandong University of Science and Technology, Fujian University of Technology, and Minjiang University. The book includes research works from engineers, researchers, and practitioners interested in the advances and applications in the field of vehicle technology and communication. The book covers four tracks, namely (1) vehicular networking security, (2) vehicular electronics, (3) intelligent transportation systems, and (4) smart vehicular communication networks and telematics.