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Nota di contenuto	Methods for State Sensing and Early Warning of Operating Conditions -- Research on Workload Balance-oriented Method of Yard Planning for Fully Automated Container Terminal -- Multimodal Trajectory Prediction for Autonomous Driving on Unstructured Roads using Deep Convolutional Network -- Study on driving risk through unsignalized intersection -- An Engineering Evaluation Methodology of Heterogeneous Network for Highway Infrastructure Monitoring Data Transmission Based on Graph Theory -- Adaptive background residual correlation filters for UAV tracking -- Integrated Travel Service Scheme

for ComprehensiveTransportation Hub -- The Research and Application of Gridded Tide Data Service -- Research on Model-Free Adaptive Iterative Learning Control of Quadrotor Aerial Vehicle -- A Parameter Adaptive Model Predictive Control for Virtual Coupling.

Sommario/riassunto

This book reflects the latest research trends, methods and experimental results in the field of Artificial Intelligence and Autonomous Transportation, which covers abundant state-of-the-art research theories and ideas. As a vital research area that is highly relevant to current developments in a number of technological domains, the topics covered include Autonomous Transportation Systems, Autonomous Transportation Management and Control Technology, Autonomous Transportation Equipment Technology, Vehicular Networking and Information Security, Emerging Technologies and Future Mobility, Intelligent water transportation technology, Cross-Domain Transportation Technology, and so on. The goal of the proceedings is to provide a major interdisciplinary forum for researchers, engineers, academics, and industry professionals to present the most innovative research and development in the field of Artificial Intelligence and Autonomous Transportation. Engineers and researchers from academia, industry, and government will also explore an insight view of the solutions that combine ideas from multiple disciplines in this area. The volumes serve as an excellent reference work for researchers and graduate students working in the areas of rail transportation, electrical engineering, and information technology.