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Nota di contenuto	Enhancing Ramp Merging Efficiency in Mixed Traffic:A Social Value-Oriented Approach for CAVs -- D-DetPose: Object detection and pose estimation based on diffusion model in roadside view -- Enhanced Small Object Detection Algorithm in Traffic Scenes -- Planar Pose Control of Robotic Fish Based on Deep Reinforcement Learning -- Pantograph Frequency Response Characterization Study -- Auto-Weighted Multi-View Learning for Community Detection: A Laplacian-Constrained Approach -- Autonomous identification of traffic risks in flight area based on time-varying interval -- Fixed-time prescribed

performance control for USV trajectory tracking considering external disturbance -- DRL-Based Passenger Boarding-Alighting Simulation in Subway Station -- Automatic Generation Method for Autonomous Driving Simulation Scenarios based on Large Language Model.

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.