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Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (230 pages)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 1883
Disciplina	670.28563 629.046
Soggetti	Artificial intelligence Image processing - Digital techniques Computer vision Signal processing Computer networks Machine learning Artificial Intelligence Computer Imaging, Vision, Pattern Recognition and Graphics Signal, Speech and Image Processing Computer Communication Networks Machine Learning
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Local and Global Contextual Features Fusion for Pedestrian Intention Prediction -- Routes analysis and dependency detection based on traffic volume: a deep learning approach -- Road Sign Classification using Transfer Learning and Pre-Trained CNN Models -- Improving Safe Driving with Diabetic Retinopathy Detection -- A Bibliometric Analysis on Artificial Intelligence and Smart Vehicles -- Convolutional Neural Network and Long Short Term Memory on Inertial Measurement Unit sensors for Gait Phase Detection -- Real-time mobile mixed-character license plate recognition via deep learning convolutional

neural network -- Evaluation of Drivers' Hazard Perception in Simultaneous Longitudinal and Lateral Control of Vehicle Using a Driving Simulator -- Driver Identification by An Ensemble of CNNs Obtained from Majority-Voting Model Selection -- State-of-the-Art Analysis of the Performance of the Sensors Utilized in Autonomous Vehicles in Extreme Conditions -- Semantic Segmentation using Events and Combination of Events and Frames -- Deep learning-based concrete crack detection using YOLO architecture -- Generating Control Command for an Autonomous Vehicle Based on Environmental Information -- Fractal-Based Spatiotemporal Predictive Model for Car Crash Risk Assessment.

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Sommario/riassunto

This book constitutes the refereed proceedings of the First International Conference on Artificial Intelligence and Smart Vehicles, ICAISV 2023, held in Tehran, Iran, during May 24-25, 2023. The 14 full papers included in this book were carefully reviewed and selected from 93 submissions. They were organized in topical sections as follows: machine learning, data mining, machine vision, image processing, signal analysis, decision support systems, expert systems, and their applications in smart vehicles.

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