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Descrizione fisica	1 online resource (445 pages)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 1918
Disciplina	929.605
Soggetti	Artificial intelligence Image processing - Digital techniques Computer vision Computer engineering Computer networks Application software Artificial Intelligence Computer Imaging, Vision, Pattern Recognition and Graphics Computer Engineering and Networks Computer and Information Systems Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Award -- Broad Learning System Based on Fusion Features -- Multi-Brain Collaborative Target Detection Based on RAP -- Lidar-Inertial SLAM Method for Accurate and Robust Mapping -- Interictal EEG Based Prediction of ACTH Efficacy in Infantile Epileptic Spasms -- CCA-MTFCN: A Robotic Pushing-Grasping Collaborative Method Based on Deep Reinforcement learning -- 6-DoF Grasp Planning on Point Cloud for Human-to-Robot Handover Task -- Leg Detection for Socially Assistive Robots: Differentiating Multiple Targets using LiDAR -- Image Compressed Sensing Reconstruction via Deep Image Prior With Feature Space and Texture Information -- Multi-objective Optimization Energy Management Strategy for Fuel Cell Hybrid Electric Vehicles During

Vehicle Following -- Pointwise-Measurement-Based Event-Triggered Synchronization of Reaction-Diffusion Neural Networks -- An Improved Image Super-Resolution Algorithm for Percutaneous Endoscopic Lumbar Discectomy -- Algorithm & Control -- KGRL: A Method of Reinforcement Learning Based on Knowledge Guidance -- Terminal Sliding Mode Control of DC-DC Buck Converter Based on Disturbance Observer -- Distributed Dynamic Process Monitoring Based on Maximum Correlation and Maximum Difference -- Simplification of Extended Finite State Machines: A Matrix-based Approach -- Lane Change Decision Control of Autonomous Vehicle Based on A3C Algorithm -- Image Encryption Algorithm Based on Quantum Chaotic Mapping and Wavelet Transform -- Physics-Informed Neural Network Surrogate Modeling Approach of Active/passive Flow Control for Drag Reduction -- Model Following Adaptive Control of Links for the Complex Dynamical Network via the State Observer -- Gaussian Process based Stochastic Model Predictive Control of Linear System with Bounded Additive Uncertainty -- Observer-Based Nonsingular Terminal Sliding Mode Guidance Law with Fixed-Time Convergence -- Application -- FAANet: Feature-Augmented Attention Network for Surface Defect Detection of Metal Workpieces -- A Novel TCM Prescription Recommendation Algorithm Based on Deep Crossing Neural Network -- Robust Real-time Optimized LiDAR Odometry with Loop Closure Detection -- Machine Anomalous Sound Detection Based on Feature Fusion and Gaussian Mixture Model -- PSO-BP Neural Network-based Optimization of Automobile Rear Longitudinal Beam Stamping Process Parameters -- End-to-end Automatic Parking Based on Proximal Policy Optimization Algorithm in Carla -- A Deep Reinforcement Learning-based Energy Management Optimization for Fuel Cell Hybrid Electric Vehicle Considering Recent Experience -- State of Charge Estimation of Lithium-ion Battery Based on Multi-modal Information Interaction and Fusion -- Sperm Recognition and Viability Classification Based on Artificial Intelligence -- GANs-Based Model Extraction for Black-box Backdoor Attack.

Sommario/riassunto

The two-volume set CCIS 1918 and 1919 constitutes the refereed post-conference proceedings of the 8th International Conference on Cognitive Systems and Information Processing, ICCSIP 2023, held in Luoyang, China, during August 10–12, 2023. The 52 full papers presented in these proceedings were carefully reviewed and selected from 136 submissions. The papers are organized in the following topical sections: Volume I : Award; Algorithm & Control; and Application. Volume II: Robotics & Bioinformatics; and Vision.