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Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 2665
Disciplina	006.3
Soggetti	Artificial intelligence Computer engineering Computer networks Computers Computer vision Computer science - Mathematics Artificial Intelligence Computer Engineering and Networks Computing Milieux Computer Vision Mathematics of Computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Natural Language Processing, Knowledge Graphs, Recommender Systems, and their Applications -- A Temporal Knowledge Graph Completion Model Based on Contrastive Learning and Relation Dependency Enhancement Method -- A Chatbot Assistant Framework for Training Industry 5.0 Factory Workers on Troubleshooting Skills using Generative AI and a Backup Recovery System -- Knowledge-Augmented Reinforcement Learning for Real Time Flight-Constrained Ascent Trajectory Generation -- Enhancing Generative Retrieval through MultiView Identifier Generation and Fusion -- Formal Concept Analysis for Yard Template Planning -- Is Training Data Quality or

Quantity More Important for Small Language Models?- Self-Explanation-Augmented Generation for Natural Language Inference -- LQRPP-KGQA: LLM-Based Question Reasoning Paths Prediction For Enhancing Question-Specific Subgraph Construction -- NanTong Blue Calico Pattern Cultural System Constructed Using Ontology Technique -- A New Ontology Matching Method Based on Large Language Model and Graph Structure Learning -- Self-Supervised Mutual Learning for Scene Text Detection -- Neural Computing-based Fault Diagnosis and Forecasting, Prognostic Management, and Cyber-physical System Security -- A Privacy-Preserving and Adversarially Robust Hybrid Deep-Quantum Model for CPS Security" -- Topology Mapping Technology of Overhead Distribution Line Based on Density Clustering of UAV Inspection -- Multi-Domain Alignment Transformer for Mechanical Fault Diagnosis Under Varied Running Conditions -- Game Attribution-based Causal Learning Interpretable Networks for Intelligent Fault Diagnosis -- A Multi-Agent AI Predictive Maintenance System Integrating Data Analysis, Diagnostics, and Scheduling for Smart Factories -- Cointegration Analysis and Fault-oriented Adversarial One-class Classifier based Fault Detection for the AHU -- Novel Zero-Day Attack Detection System Based on Autoencoder and Isolation Forest -- DRL-Guided Fluid Navigation and Virtual Coordination for Hierarchical Multi-UAV Cooperative Attack -- Sequence Learning for Spreading Dynamics, Forecasting, and Intelligent Techniques against Epidemic Spreading -- Hierarchical Frequency Decomposition Enhanced Multi Resolution Analysis for Robust Time Series Forecasting -- Condition Monitoring and Adaptive Early Warning Method of Rolling Bearings under Time-varying Working Conditions -- WavNet: Learning Time-Frequency Representations for Robust SSVEP-Based BCIs -- Trend-Captured Stock Forecasting Framework via Frequency Domain Disentanglement and Dynamic Feature Fusion -- A Machine Learning Approach for Medium-Term Electrical Load Forecasting Using Hybrid Neuro-Fuzzy Modeling -- State-of-Charge Estimation of Distributed Energy Storage Devices with BiLSTM-TCN Model -- Multimodal Deep Learning for Representation, Fusion and Applications -- Improving Training Phase for Restoration of Ancient Documents using DeepFillv2 -- Temporal Context Aggregation for Visual Tracking Using Valid Frame and Knowledge Token -- When Vision Mamba Meets Robotic Grasping: An Efficient Grasp Detection Network for Real-time Robotic Manipulation -- A Data Generation Method based on Generative Adversarial Network and Mamba -- CATransformer: A Class-Aware Transformer within a Dual-Layer Framework for Imbalanced Tabular Data -- TEFusion: A Multimodal-Feature Fusion Framework for Image and Radar -- Workshop Session: International Conference on Cognitive Intelligence (ICCI) -- Multi-Task Co-Calibration Network for Cross-Session Adaptation to Electrode Displacement in Hand Gesture Recognition and Joint Angle Estimation -- A Comparative Study of Attitude Resources between LLM-based Translation and Human Translation.

Sommario/riassunto

This two-volume set CCIS 2664 and 2665 constitutes the refereed proceedings of the 6th International Conference on Neural Computing for Advanced Applications, NCAA 2025, held in Hong Kong, China, during July 4–6, 2025. The 62 full papers presented in these proceedings were carefully reviewed and selected from 160 submissions. The papers are organized in the following topical sections: Part I: Neural network (NN) theory, NN-based control systems, neuro-system integration and engineering applications; Deep learning-driven pattern recognition, computer vision and its industrial applications. Part II: Natural language processing, knowledge graphs,

recommender systems, and their applications; Neural computing-based fault diagnosis and forecasting, prognostic management, and cyber-physical system security; Sequence learning for spreading dynamics, forecasting, and intelligent techniques against epidemic spreading; Multimodal deep learning for representation, fusion and applications; Workshop session: International Conference on Cognitive Intelligence (ICCI).
