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	Disciplina	006.3
	Soggetti	Artificial intelligence Data structures (Computer science) Information theory Image processing - Digital techniques Computer vision Application software Artificial Intelligence Data Structures and Information Theory Computer Imaging, Vision, Pattern Recognition and Graphics Computer and Information Systems Applications
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	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Deep Learning/Machine Learning on Information and Signal Processing -- Federated Learning based Distributed Algorithms for RF Fingerprinting Extraction and Identification of IoT devices -- Fast Beam Switching Based on Machine Learning for mmWave Massive MIMO Systems -- Study on Pixel Level Segmentation and Area Quantification of Highway Slope Cracks -- LSTM-based Prediction of Airport Aircraft in and Outflow -- Micro-Motion Classification of Rotor UAV And Flying Bird via CNN and FMCW Radar -- Transformer-based Few-shot Learning for Image Classification -- Fractional Time-frequency Scattering Convolution Network -- Fault prediction analysis of

communication optical fiber based on SVM algorithm -- RSEN-RFF: Deep Learning-Based RF Fingerprint Recognition in Noisy Environment -- Q-learning Based Optimum Relay Selection for a SWIPT-Enabled Wireless System -- Power Quality Prediction of Active Distribution Network Based on CNN-LSTM Deep Learning Model -- Artificial Intelligence in Wireless Communications and Satellite Communications -- System simulation and coverage analysis of 5G NR communication system based on 700MHz frequency band -- The Influence of Navigation and Remote Sensing LEO Satellite Attitude on BDS Augmentation -- LEO-assisted Beidou B1C signal acquisition algorithm and on-orbit verification -- Research on Ship Target Detection in SAR Image Based on Improved YOLO v3 Algorithm -- Energy Efficiency Optimization for Plane Spiral OAM Mode-Group Based MIMO-NOMA Systems -- Energy Efficient Resource Allocation for UCA-based OAM-MIMO System -- Exerimental Study on Target Localization for DTMB-Based Passive Bistatic Radar -- Application of artificial intelligence in the planning of navigation satellite in-orbit reconstruction tasks -- Coordinated Beamforming Optimization With Interference Suppressing for Massive MIMO Systems -- Mobile Load Balancing for 5G RAN Slicing in Mobile Network -- Dynamic communication and computation resource allocation algorithm for end-to-end slicing in mobilenetworks -- Passive Target Detection Based on GLRT Using Multi-satellite Illumination -- Passive Target Detection Based on Rao Using Multi-satellite Illumination -- Environment-driven Modulation and Coding Schemes for Cognitive Multicarrier Communication Systems -- Secure Communications for Dual-UAV-MEC Networks -- An improved MAX-Log MPA multiuser detection algorithm in SCMA system -- Artificial Intelligence in Electromagnetic Signal Processing -- An Adaptive Slice Type Decision Algorithm for HEVC Based on Local Luminance Histogram -- Research on sound source recognition algorithm of pickup array based on adaptive background noise removal.

Sommario/riassunto	This two-volume set LNICST 396 and 397 constitutes the post-conference proceedings of the Third EAI International Conference on Artificial Intelligence for Communications and Networks, AICON 2021, held in September 2021. Due to COVID-19 pandemic the conference was held virtually. The 79 full papers were carefully reviewed and selected from 159 submissions. The papers are organized in topical sections on Artificial Intelligence in Wireless Communications and Satellite Communications; Artificial Intelligence in Electromagnetic Signal Processing; Artificial Intelligence Application in Wireless Caching and Computing; Artificial Intelligence Application in Computer Network.