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Collana	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, , 1867-822X ; ; 356
Disciplina	006.3 621.382
Soggetti	Artificial intelligence Coding theory Information theory Application software Computer science - Mathematics Computer networks Artificial Intelligence Coding and Information Theory Computer and Information Systems Applications Mathematics of Computing Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Deep Learning/Machine Learning on Information and Signal Processing -- Cell Detection and Counting Method Based on Connected Domain of Binary Image -- 2D DOA estimation based on modified compressed sensing algorithm -- Perceptual Quality Enhancement with Multi-scale Deep Learning for Video Transmission: A QoE Perspective -- Indoor Map Construction Method based on Geomagnetic Signals and Smartphones -- An improved generation method of adversarial example to deceive NLP deep learning classifiers -- Encryption analysis of different measurement matrices based on compressed sensing --

Indoor visual positioning based on image retrieval in dense connected convolutional network -- Coin Recognition Based on Physical Detection and Template Matching -- Generative Adversarial Network for Generating Time-Frequency Images -- Research on Weak Signal Detection Method Based on Duffing Oscillator in Narrowband Noise -- AI in Ubiquitous Mobile Wireless Communications Research on an Intelligent Routing Strategy forIndustrial Internet of Things -- Joint Equalization and Raptor Decoding for Underwater Acoustic Communication -- Design of Wireless Communication System for CNC Machine Tools -- Energy Efficiency Optimization for Subcarrier Allocationbased SWIPT in OFDM Communications -- Comparative Analysis of Communication Links between Earth-Moon and Earth-Mars -- Compact Miniature MIMO Array Antenna towards Millimeter Wave -- Research and Equilibrium Optimization of AODV Routing Protocol in Ad Hoc Network -- Delay Minimization in Multi-UAV Assisted Wireless Networks: A Reinforcement Learning Approach -- Trajectory Planning Based on K-means in UAV-Assisted Networks with Underlaid D2D Communications -- A Multi-source Fused Location Estimation Method for UAV Based on Machine Vision and Strapdown Inertial Navigation -- A Summary of UAV Positioning Technology in GPS Denial Environment -- Energy-Efficient Multi-UAV-Enabled Computation Offloading for Industrial Internet of Things via Deep Reinforcemnt Learning -- Smart Education: Educational Change in the age of artificial intelligence -- Campus Bullying Detecting Algorithm Based on Surveillance Video -- The Applications and Drawbacks of Emerging AI Framework in online education field -- AI Application In Education -- The Future Development of Education in the Era of Artificial Intelligence -- Dormitory Management System Based on Face Recognition -- Factors Affecting Students' Flow Experience of E-learning System In Higher Vocational Education Using UTAUT and Structural Equation Modeling Approaches -- Smart Education: Educational Change in the age of artificial Intelligence; AI in SAR/ISAR Target Detection -- Low altitude target detection technology based on 5G base station -- Review of Research on Gesture Recognition Based on Radar Technology -- Analysis of The Influence of Convolutional Layer in Deep Convolutional Neural Network on SAR Target Recognition -- A Real-time Two-stage Detector for Static Monitor using GMM for Region Proposal -- An Optimized Lee Filter Denoising Method Based on EIP Correction -- Research on Azimuth Measurement Method of CCD Camera Based on Computer 3D Vision System -- An Overspeed Capture System Based on Radar Speed Measurement and Vehicle Recognition -- Study on Elevation Estimation of Low-angle Target in Meter-wave Radar Based on Machine-Learning -- Target Registration Based on Fusing Features of Visible and Two Wave Bands Infrared Images -- Deep Learning based Target Activity Recognition Using FMCW Radar -- Smart Education: Educational Change in the age of artificial Intelligence; AI in SAR/ISAR Target Detection; Recent advances in AI and their applications in future electronic and information field -- A visible light indoor location system based on Lambert optimization model RSS fingerprint database algorithm -- A Target detection algorithm based on Faster R-CNN -- Evaluating Recursive Backtracking Depth-first Search Algorithm in Unknown Search Space for Self-Learning Path Finding Robot -- FTEI: A Fault Tolerance Model of FPGA with Endogenous Immunity -- The Design Of An Intelligent Monitoring System For Human Action -- Coding Technology of Building Space Marking Position -- Maximum Power Output Control Method of Photovoltaic for Parallel Inverter System Based on Droop Control -- An OOV Recognition Based Approach to Detecting Sensitive Information in Dialogue Texts of

	Electric Power.
Sommario/riassunto	This book constitutes the post-conference proceedings of the Second EAI International Conference on Artificial Intelligence for Communications and Networks, AICON 2020, held in December 2020. Due to COVID-19 pandemic the conference was held virtually. The 52 full papers were carefully reviewed and selected from 112 submissions. The papers are organized in topical sections on Deep Learning/Machine Learning on Information and Signal Processing; AI in Ubiquitous Mobile Wireless Communications; AI in UAV-assisted wireless communications; Smart Education: Educational Change in the age of artificial Intelligence; AI in SAR/ISAR Target Detection; Recent advances in AI and their applications in future electronic and information field.