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Collana	Communications in Computer and Information Science, , 1865-0929 ; ; 1209
Disciplina	621.3822
Soggetti	Artificial intelligence Computers Computer organization Optical data processing Computer science—Mathematics Coding theory Information theory Artificial Intelligence Information Systems and Communication Service Computer Systems Organization and Communication Networks Computer Imaging, Vision, Pattern Recognition and Graphics Mathematics of Computing Coding and Information Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Intelligent Recognition Techniques and Applications -- Acoustic Identification of Nocturnal Bird Species -- Internet of Assistants: Humans Can Get Assistance Anywhere Anytime and Any Areas -- Artificial Intelligence Enabled Online Non-Intrusive Load Monitoring Embedded in Smart Plugs -- Using Evaluation Data Analytics in Environmental Education Projects -- Identifying the Influential User

Based on User Interaction Model for Twitter Data -- Rank Level Fusion of Multimodal Biometrics Based on Cross-Entropy Monte Carlo Method -- Multilingual Phone Recognition: Comparison of Traditional Versus Common Multilingual Phone-set Approaches and Applications in Code-Switching -- Estimation of Bone Mineral Density Using Machine Learning Approach -- CNN Based Periocular Recognition Using Multispectral Images -- Obstructive Pulmonary Disease Prediction Through Heart Structure Analysis -- Speaker Specific Formant Dynamics of Vowels -- User Recognition Using Cognitive Psychology Based Behavior Modeling in Online Social Networks -- Indian Semi-Acted Facial Expression (iSAFE) Dataset for Human Emotions Recognition -- Deep Learning Approach for Intelligent Named Entity Recognition of Cyber Security -- A Chronic Psychiatric Disorder Detection Using Ensemble Classification -- Voice Controlled Media Player: A Use Case to Demonstrate an On-Premise Speech Command Recognition System -- Efficient Traffic Signboard Recognition System Using Convolutional Networks -- Development of a Novel Database in Gujarati Language for Spoken Digits Classification -- Modeling Vehicle Fall Detection Event Using Internet of Things -- Signal and Image Processing -- A Scalable Feature Selection and Opinion Miner Using Whale Optimization Algorithm -- Reliability and Connectivity Improve the Ranking Principle -- Distributed Detection of a Non-cooperative Target with Multiplicative Fading -- Data Aggregation Using Distributed Compressive Sensing in WSNs -- A Modified Approach for the Removal of Impulse Noise from Mammogram Images -- Comparison of Noninvasive Blood Glucose Estimation Using Various Regression Models -- SVD Diagonal Matrix Reconstruction Using OMP -- Channel Estimation Using Adaptive Cuckoo Search Based Wiener Filter -- Down Link:: Error-rate Performance of Cognitive D-STTD MC-IDMA System -- An Approach for Color Retinal Image Enhancement Using Linearly Quantile Separated Histogram Equalization and DCT Based Local Contrast Enhancement -- Recurrence Network-Based Approach to Distinguish Between Chaotic and Quasiperiodic Solution -- Non Linear Analysis of the Effect of Stimulation on Epileptic Signals Generated at Right Hippocampus -- What are 3GPP 5G Phase 1 and 2 and What Comes After.

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### Sommario/riassunto

This book constitutes the refereed proceedings of the 5th International Symposium on Advances in Signal Processing and Intelligent Recognition Systems, SIRS 2019, held in Trivandrum, India, in December 2019. The 19 revised full papers and 8 revised short papers presented were carefully reviewed and selected from 63 submissions. The papers cover wide research fields including information retrieval, human-computer interaction (HCI), information extraction, speech recognition.

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