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| Nota di contenuto | Word2Vec and Evolutionary Computing driven Hybrid Deep Learning based Sentiment Analysis -- Online Information and Grouping of Facebook Users -- Innovative secure authentication interface for Hadoop cluster using DNA cryptography: A practical study -- Human Activity Recognition in Imbalanced Big Data using Fuzzy Rule-Based Classification System -- Early Detection of Hemiplegia by Analyzing the Gait Characteristics and Walking Patterns using Convolutional Neural Networks -- Twin-Security Model- A Machine Learning based approach for DDoS Security in SDN -- Enhancement in Data Security Using DNA Cryptography -- Internet of Things: An Overview -- A Fuzzy-Neuro Based Clinical Decision Support System for Disease Diagnosis Using Symptom Severity -- Analysis of Patients Reviews and Enhancing |

Services in Hospitals -- Human Pose Estimation and ActivityClassification using Machine Learning Approach -- Implementation of Interpolation in Credit Card Fraud Detection -- A Statistical-Semantic PSO model for Customer Reviews based Question Answer Systems -- Low cost IoT based Spirometer Device with Silicon Pressure Sensor -- Recommending research article based on user queries using Latent Dirichlet Allocation -- An Applied Time Series Forecasting Model for Yield Prediction of Agricultural Crop -- Design and Implementation of the Protocol forSecure Software-Based Remote Attestation inIoT Devices -- Label assignment and sentimental analysis for a product review on Twitter data -- Preserving the Privacy of Audio le using IdealSecret Sharing Scheme with Cloud Storage -- Hadoop Performance Acceleration by Effective Data and Job Placement -- Modified Quick Fuzzy Hypersphere NeuralNetwork for Pattern Classi cation using Supervised Clustering -- Third Eye : Assistance for Reading Disability -- Enhanced Attach Procedure for Prevention of Authentication Synchronization Failure Attack -- Static Load Balancing Algorithms in Cloud Computing: Challenges and Solutions -- A Survey on Text Question Responsive Systems in English and Indian Languages -- Vehicle Type Classification Using Deep Learning -- Deep learning approach: Detection of replayattack in ASV systems -- Acoustic Scene Classification using Convolutional Neural Network -- Classification of Microscopic algae: an observational study with AlexNet -- A novel true colour Image bit modification Technique for Image Steganography -- A GRU based Neural Machine Translation followed by Proper Noun Transliteration -- A Novel approach using Support Vector Machine for outlier removal and Multilayer Perceptron in Classifying Medical Datasets -- Automatic speech recognition using deep neural Network -- A Novel Hybridized Strategy for Machine Translation for Indian Languages -- On Efficient Prediction of Indian Stock Indices using ELM based Technique -- Automatic Representative Framelets selection for human action recognition in surveillance videos -- Fuzzy Assisted PLS Regression for Enhancing Quantification Efficiency of Electronic Nose -- Wavelet Assisted Phase Space Analysis for Improved VOCs Discrimination Using SAW Sensor Transients -- Network Simulation & Performance Analysis using Riverbed Modeler -- An Enhanced Low Duty Cycle MAC protocol for Wireless Sensor Networks -- CHAR:A Novel Cloud based live health Augmented Reality Framework -- Strawberry Leaf Diseases Detection and Suggestion for Pesticides Using Articial Neural Network -- Real Time Suspicious Activity Detection -- Modeling the Chandrayaan-1 Hyperspectral (HySI) Data for Mineral Mixing Analysis -- Implementation of the Bi-Directional Reflectance Function for modeling the spectra derived from Hyperspectral Images -- Stereo Vision Based Path Planning System for an Autonomous Harvester -- Ontology Driven Clinical Data Analyzer Of Skin Diseases Based On SVM -- Age Group Estimation from Human Iris -- LabVIEW Based Virtual Laboratories for Electrical Engineering Education with Real Time Implementation -- Hybrid Features based Efficient Radar Target Classification using Support Vector Machine -- A Machine Learning Approach to Identify the Students at the Risk of Dropping Out of Secondary Education in India -- Multi-Level Intelligent Border Security System -- Rolling Ball Bearing Fault Classification Using Variational Mode Decomposition and Footprint of Hilbert Transform -- Minimization Of Propagation Delay For DADCQ Protocol in VANET -- Sound Inheritance for Electric Vehicles -- Pattern Classification of Handwritten Kannada Digits Using Customized CNN -- Multivariate Regression Analysis on Climate variables for weather forecasting in Indian Subcontinent -- Comparison of Machine Learning Methods for

Effective Autism Diagnosis -- Influence of Language Specific Features for Author Identification on Indian Literature in Marathi -- Segmentation of Retinal Features using hybrid BINI Thresholding in Diabetic Retinopathy Fundus Images -- A Novel Stacked Multilayer Antenna for ISM Band Applications -- Acknowledgement Spoofing At Kernel Level and TCP Sender Behaviour Analysis -- Study and Analysis of IRNSS/NavIC Signals for Atmospheric Effects near Bangalore Region -- Enabling Efficient Broadcasting Through Authentication based MAC Protocol in Internet of Vehicles -- An Efficient Batch Verification Scheme for Secure Vehicular Communication using Bilinear Pairings -- Remote Sensing Image Super-Resolution Using Residual Dense Network -- Optimal selection of Wavelet transform for denoising of ECG signal on the basis of Statistical Parameters -- Correlative wave form coding for interference mitigation in VHF-radar system -- A Comparative Discussion on Various Modern Video Retrieval Strategies -- Extraction of Key frames using Rough Set Theory for Video Retrieval.

Sommario/riassunto

This book presents selected research papers on current developments in the fields of soft computing and signal processing from the Second International Conference on Soft Computing and Signal Processing (ICSCSP 2019). The respective contributions address topics such as soft sets, rough sets, fuzzy logic, neural networks, genetic algorithms and machine learning, and discuss various aspects of these topics, e.g. technological considerations, product implementation, and application issues.