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Nota di contenuto	Task Scheduling in Heterogeneous Cloud Environment- A Survey -- Improving the Efficiency of Ensemble Classifier Adaptive Random Forest with Meta Level Learning for Real Time Data Streams -- Plain Text Encryption using Sudoku Cipher -- Performance Comparison between Different Dispersion Compensation methods in an Optical Link -- First Steps in The Automatic Classification of Legal Sentences -- The Dissociation between Polarity and Emotional Tone as an Early Indicator of Cognitive Impairment: Second Round -- Congestion Control in Optical Burst Switched Networks Using Differential Evolution Optimization -- Locality Parameters For Privacy Preserving Protocol And Detection Of Malicious Third-Party Auditors In Cloud Computing -- Analysis of NaCl electrolyte based SOI-ISFET pH Sensor -- Quantitative Modeling and Simulation for Stator Inter-turn Fault Detection in Industrial Machine -- CMOS Based XOR Gate Design for Full Swing Output Voltage and Minimum Power Delay Product (PDP) -- Potential

Threat Detection from Industrial Accident Reports Using Text Mining -- Bagging for Improving Accuracy of Diabetes Classication -- Two way Handshake User Authentication Scheme for E-Banking System -- Periocular Biometrics for non-ideal images using Deep Convolutional Neural Networks -- An Elliptic Curve Cryptography based Multi-Server Authentication Scheme using Cancelable Biometrics -- Dynamic TDMA Scheduling for Topology Controlled Clustering in Wireless Sensor Networks -- Deep Learning-Based Music Chord Family Identication -- A Multilevel CNN Architecture for Character Recognition from Palm Leaf Images -- Novel Multimodel Approach For Marathi Speech Emotion Detection -- Assessment of Autistic Disorder Using Machine Learning Approach -- Use of Data Mining Techniques for Data Balancing and Fraud Detection in Automobile Insurance Claims -- Application of Generalized Possibilistic Fuzzy C-Means Clustering for User-profiling in Mobile Networks -- A Method to Detect Blink from the EEG Signal -- Power Efficient Reversible Logic Design of S-Box for N-Bit AES -- Salient edge(s) and region(s) extraction for RGB-D image -- Web Text Categorization: A LSTM-RNN Approach -- Closed-set Device-independent Speaker identification using CNN -- A Novel and Efficient Spatiotemporal Oxygen Production Estimation Based on Land Vegetation using PNN and Convolutional Autoencoder -- A Faster Fuzzy Clustering Approach For Recommender Systems -- Saliency Detection for Semantic Segmentation of Videos -- Real World Anomaly Detection using Deep Learning -- Automatic Facial Expression Recognition using Histogram oriented Gradients (HoG) of Shape Information Matrix -- Quality Enhancement of The Compressed Image Using Super Resolution -- Power Allocation mechanism in Uplink NOMA using Evolutionary Game Theory -- Performance Analysis of Convolutional Neural Networks for Exudate Detection in Fundus Images -- The role of parallelism for Rust Defect Recognition using digital image processing -- An Enhanced Bit-Map-Assisted Energy-Efficient MAC Protocol for Wireless Sensor Networks -- Intuitionistic Fuzzy Logic Controller over the Irrigation Field to Optimized Water Utilization -- Energy Efficient Hybrid Firefly-Crow Optimization Algorithm for VM Consolidation -- Keyless, Robust and Cost-Effective Privacy Protection Algorithm for Videos Using Steganography -- Detection of Epileptic Seizures in EEG - Inspired by Machine Learning Techniques -- Automated Video Surveillance System Using Video Analytics -- On Decision Making Supporting the Shift from Fossil to Renewable Energy Sources within the Norwegian Maritime Transport Sector -- Context Aware Personalized Mobile Learning -- An Evolutionary Algorithmic Framework to Solve Multi-Objective Optimization Problems with Variable Length Chromosome Population -- Irrigation System Automation using Finite State Machine Model and Machine Learning Techniques -- EVaClassifier using Linear SVM Machine Learning Algorithm -- MFCC - based Bangla vowel phoneme recognition from micro clips -- Supporting QoE-aware Live Streaming over Peer to Peer Network -- Action Recognition Using 3D CNN and LSTM for Video Analytics -- A Large Scale Implementation Using MapReduce Based SVM for Tweets Sentiment Analysis -- Chatbot: Integration of Applications within Slack Channel -- A cost-effective sampling strategy for monitoring soil pH value in small scale smart farming -- Hybrid Music Recommendation System based on Temporal Effects -- Differential-Huffman Coding Approach for Lossless Compression of Medical Images -- Detecting Toxicity with Bidirectional Gated Recurrent Unit Networks -- A Design of 12 Bit Low Power Pipelined ADC Using TIQ Technique -- Multi Scale Template Matching To Denoise Epigraphical Estampages -- Security Issues Due to Vulnerabilities in The Virtual Machine of Cloud

Computing -- A TFD Approach to Stock Price Prediction -- Recognizing and Refinement of Contorted Fingerprint Based on Various Unique Fingerprint Images -- Assessment of Groundwater potential using neural network: A case study -- Data Leakage Prevention and Detection Techniques Using Internet Protocol Address -- Recognition of Handwritten Kannada Characters Using Unsupervised Learning Method -- Despeckling of Synthetic Aperture Radar (SAR) Images using Local Statistics based Adaptive Filtering -- A Wind Energy Supported DSTATCOM For Real And Reactive Power Support For A Linear Three Phase Industrial Load -- Solving Combined Economic and Emission Dispatch Problem Using Hybrid RGA-De Algorithm -- Performance Analysis of ST-type Module for Nearest Level Control Scheme based Asymmetric 17-level Multilevel Inverter Fed Single Phase Induction Motor -- Performance Analysis Of Classification Algorithm In Machine Learning Over Air Pollution Data Base -- Face Recognition With Voice Assistance For The Visually Challenged -- An Biometric Based Embedded System For E-Verification Of Vehicle Users For Rto -- Comparative Analysis of Apache Spark and Hadoop Map Reduce using various parameters and execution time -- A Fuzzy Approach to Spatio-Temporal Analysis for Pedestrian Surveillance -- Human Action Recoginition in Unconstrained Videos using Deep Learning Techniques -- A Multi-resolution Face Verification System for Crowd Images across Varying Illuminations -- A New Approach for Matrix Completion using Arrow Relation of FCA in Recommender Systems -- Data Mining Techniques for Videos Subscribers of Google YouTube -- Prevalence of HCV in Shopian: Using Data Visualization (Data Mining) -- Similarity Analysis of Residual Frames for Inter Frame Forgery Detection in Video -- DNA Sequence Alignment using Dynamic Programming -- Facial Landmark Localization Using an Ensemble of Regression Trees on PC Game Controlling -- Continuous Gait Authenticationagainst Unauthorized Smartphone Access through Nave Bayes Classier.

| Sommario/riassunto | This book features a collection of high-quality, peer-reviewed papers presented at the Third International Conference on Intelligent Computing and Communication (ICICC 2019) held at the School of Engineering, Dayananda Sagar University, Bengaluru, India, on 7 – 8 June 2019. Discussing advanced and multi-disciplinary research regarding the design of smart computing and informatics, it focuses on innovation paradigms in system knowledge, intelligence and sustainability that can be applied to provide practical solutions to a number of problems in society, the environment and industry. Further, the book also addresses the deployment of emerging computational and knowledge transfer approaches, optimizing solutions in various disciplines of science, technology and healthcare. |