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Titolo	Innovations in Bio-Inspired Computing and Applications : Proceedings of the 6th International Conference on Innovations in Bio-Inspired Computing and Applications (IBICA 2015) held in Kochi, India during December 16-18, 2015 / / edited by Václav Snášel, Ajit Abraham, Pavel Krömer, Millie Pant, Azah Kamilah Muda
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Descrizione fisica	1 online resource (571 p.)
Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 424
Disciplina	615
Soggetti	Computational intelligence Artificial intelligence Computational Intelligence Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Multiset Genetic Algorithm Approach to Grid Resource Allocation -- Secure Cloud Multi-tenant Applications with Cache in PaaS -- HAWK EYE: Intelligent Analysis of Socio Inspired Cohorts for Plagiarism -- Mechanism of Fuzzy ARMS on Chemical Reaction -- The Power of Hybridity and Context Free in HP System -- Enhanced Bee Colony Algorithm for Efficient Load Balancing and Scheduling in Cloud -- Robust Optimized Artificial Neural Network Based Pem Fuelcell Voltage Tracking -- Gravitational Search Algorithm to Solve Open Vehicle Routing Problem -- PIRIDS :A Model on Intrusion Response System Based on Biologically Inspired Response Mechanism in Plants -- Particle Swarm Optimization Method Based Consistency Checking in UML Class and Activity Diagrams -- Data Centric Text Processing Using MapReduce -- Request Reply Detection Mechanism for Malicious MANETs -- Ensemble of Flexible Neural Trees for Predicting Risk in Grid Computing Environment -- A Novel Approach for Malicious Node Detection in MANET -- Improving The Productivity In Global Software

Development -- Prediction of Heart Disease Using Random Forest and Feature Subset Selection -- Software Requirement Elicitation Using Natural Language Processing -- Application of Hexagonal Coordinate Systems for Searching the K-Nn In 2d Space -- Locality Aware MapReduce -- Hybrid Feature Selection using Correlation coefficient and Particle Swarm Optimization on Microarray Gene Expression Data -- Resource Aware Adaptive Scheduler for Heterogeneous Workload with Task Based Job Sampling -- Generating Picture Arrays Based on Grammar Systems with Flat Splicing Operation -- Identification of Multimodal Human-Robot Interaction Using Combined Kernels -- Debris Detection and Tracking system in water bodies using Motion Estimation technique -- Debris Detection and Tracking System in Water Bodies Using Motion Estimation Technique -- Understanding the Consequences of Social Isolation Using Fireworks Algorithm -- Ant Pheromone Evaluation Models Based Gateway Selection in MANET -- A Review on How Human Aging Influences Facial Expression Recognition (FER) -- An Intelligent Approach for Diabetes Classification, Prediction and Description -- A Novel Algorithm for Utility-Frequent Item Set Mining in Market Basket Analysis -- Exact Computation of 3D Geometric Moment Invariants for ATS Drugs Identification -- D-MBPSO: An Unsupervised Feature Selection Algorithm Based on PSO -- Delay Scheduling with Reduced Workload on JobTracker in Hadoop -- Reducing Travel Time in VANETs with Parallel Implementation of MACO (Modified ACO) -- FS-EHS: Harmony Search Based Feature Selection Algorithm for Steganalysis Using ELM -- A Hybrid Dimension Reduction Technique for Document Clustering -- 2D Image Reconstruction After Removal of Detected Salient Regions Using Exemplar-Based Image Inpainting -- Solution to Constrained Test Problems Using Cohort Intelligence Algorithm -- Placement Strategies for Faulty Cells in Module Relocation Based BISR Approach -- Fetal Heart Rate Variability: Multiple Regression Models Using Autoregressive Analysis and Fast Fourier Transform -- Restricted Boltzmann Machine based Energy Efficient Cognitive Network -- An Overview of Computational Intelligence Technique in Drug Molecular Structure Identification -- An Effective Bio-Inspired Methodology for Optimal Estimation and Forecasting of Co2 Emission in India -- Conceptual Voice Based Querying Support Model for Relevant Document Retrieval -- Online Pairwise Ranking Based on Graph Edge-Connectivity -- Fuzzy Variable Stiness in Landing Phase for Jumping Robot -- An Extended Study on the Association Between Elicitation Issues and Software Project Performance: A Theoretical Model -- Compact Design of Rectangular Patch Antenna With Symmetrical U Slots on Partial Ground for UWB Applications -- Compact Design of Rectangular Patch Antenna with Symmetrical U slots on Partial Ground for UWB Applications -- Big Data Challenges And Solutions in Healthcare: A Survey -- Experimental Study on Bound Handling Techniques for Multi-Objective Particle Swarm Optimization -- Role of Bio-inspired Optimization in Disaster Operations Management Research -- Optimal Reservoir Release for Hydropower Generation Maximization Using Particle Swarm Optimization.

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#### Sommario/riassunto

This Volume contains the papers presented during the 6th International Conference on Innovations in Bio-Inspired Computing and Applications IBICA 2015 which was held in Kochi, India during December 16-18, 2015. The 51 papers presented in this Volume were carefully reviewed and selected. The 6th International Conference IBICA 2015 has been organized to discuss the state-of-the-art as well as to address various issues in the growing research field of Bio-inspired Computing which is currently one of the most exciting research areas, and is continuously

demonstrating exceptional strength in solving complex real life problems. The Volume will be a valuable reference to researchers, students and practitioners in the computational intelligence field.

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