

1. Record Nr.	UNINA9910299683103321
Titolo	Information Systems Design and Intelligent Applications [[electronic resource] ] : Proceedings of Second International Conference INDIA 2015, Volume 2 // edited by J. K. Mandal, Suresh Chandra Satapathy, Manas Kumar Sanyal, Partha Pratim Sarkar, Anirban Mukhopadhyay
Pubbl/distr/stampa	New Delhi : , : Springer India : , : Imprint : Springer, , 2015
ISBN	81-322-2247-4
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (857 p.)
Collana	Advances in Intelligent Systems and Computing, , 2194-5357 ; ; 340
Disciplina	006.3 620 621.382
Soggetti	Computational intelligence Artificial intelligence Signal processing Image processing Speech processing systems Computational Intelligence Artificial Intelligence Signal, Image and Speech Processing
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 and index.
Nota di contenuto	Paper 1: An In-silico Structural Analysis of the Interactions of SoxY and SoxZ from Moderately Thermophilic Betaproteobacterium, Hydrogenophilus Thermoluteolus in the Global Sulfur Oxidation Cycle -- Paper 2: The Effect of T192M Mutation in Stability of Alpha Dystroglycan: Study with Molecular Dynamics Simulation -- Paper 3: Intermolecular Interaction Study of Dissimilatory Sulfite Reductase (DsrAB) from Sulfur Oxidizing Proteobacteria Allchromatium Vinosum -- Paper 4: Structural Bioinformatics Approach to Understand the Molecular Mechanism of the Interactions of Small Heat Shock Proteins IbpA and IbpB with Lon Protease -- Paper 5: Computer Based Self-paced Instructional Design Approach in Learning with Respect to

Gender as a Variable -- Paper 6: Use of Machine Learning Features to Detect Protein-protein Interaction Sites at the Molecular Level -- Paper 7: Mutual Interaction Study between DnaK-GroEL-FtSH with Heat Shock Regulator 32 to Explain Prokaryotic Heat Shock Regulation -- Paper 8: Molecular Structure and Packing Analysis of two Nematogenic Fluorophenyl Compounds in the Crystalline Phase -- Paper 9: Fractal Image Compression with Adaptive Quadtree Partitioning and Lossless Encoding on the Parameters of Affine Transformations -- Paper 10: EMD Based Features for Discrimination of Focal and Non-focal EEG Signals -- Paper 11: HHT Based Features for Discrimination of EMG Signals -- Paper 12: Understanding the Interaction of Human Formin Binding Protein 4 with Formin FMN1 -- Paper 13: In-silico Structural Analysis of SoxF Protein through Molecular Modelling and Protein-protein Docking from Hydrogenophilus Thermoluteolus: An Approach to Understand the Molecular Mechanism of Thiosulfate Oxidation -- Paper 14: Structural Analyses of the Mode of Binding between AANAT Protein with 14-3-3 Protein Involved in Human Melatonin Synthesis -- Paper 15: Development of E-Learning System in Grid Environment -- Paper 16: A Weighted Concept Map Approach to Generate Learning Guidance in Science Courses -- Paper 17: Fingerprint Recognition by Divide and Conquer Method -- Paper 18: Nonlocal Speckle Denoising Model Based on Non-linear Partial Differential Equations -- Paper 19: Optimal Multilevel Image Threshold Selection Using a Novel Objective Function -- Paper 20: Molecular Docking Analysis of AHL Molecule on Plant Protein ARR10 -- Paper 21: A Remote Login Password Authentication Scheme Using Row Vector with Biometric -- Paper 22: A Symmetric Key Cryptosystem Using DNA Sequence with OTP key -- Paper 23: Text Localization in Camera Captured Images Using Adaptive Stroke Filter -- Paper 24: Dynamic Modeling of Three Link Finger Manipulator -- Paper 25: Dynamic Reconfigurable Architectures – A Boon for Desires of Real Time Systems -- Paper 26: A Real Time Gesture Recognition with Wrist Mounted Accelerometer -- Paper 27: Effectiveness of Proximity-Based Outlier Analysis in Detecting Profile-Injection attacks in E Commerce Recommender Systems -- Paper 28: Novel Approach of Multiplier Design Using Ancient Vedic Mathematics -- Paper 29: Supply Chain Model for Deteriorating Items with Imperfect Production Process Under Budget Constraint -- Paper 30: Line-level Script Identification for Six Handwritten Scripts Using Texture Based Features -- Paper 31: Single Sensor Color filter Array Interpolation Algorithms -- Paper 32: Region Based Image Retrieval Using Integrated Color, Texture and Shape Features -- Paper 33: Automatic Generation of Web Service Composition Templates Using WSDL Descriptions -- Paper 34: Poisson Noise Removal from Mammogram Using Poisson Unbiased Risk Estimation Technique -- Paper 35: A Proposed Systematic user-interface Design Framework for Synchronous and Asynchronous E-learning Systems -- Paper 36: Differential Power Analysis: Attacks and Resisting Techniques -- Paper 37: Health-system Evaluation: A Multi-attribute Decision Making Approach -- Paper 38: Analysis and Evaluation of Image Quality Metrics -- Paper 39: Comparative Analysis of Color Image Encryption Using 2D Chaotic Maps -- Paper 40: Automatic Model Extraction from C Code - Abstracter and Architecture -- Paper 41: Remote Sensing Image Registration Based on Particle Swarm Optimization and Mutual Information -- Paper 42: Enzyme Function Classification Based on Sequence Alignment -- Paper 43: A Novel Biometric Fingerprint Template Based Method for Stream Cipher Design -- Paper 44: A Non-Linear Diffusion Based Partial Differential Equation Model for Noise Reduction in Images -- Paper 45: A Pixel Based Segmentation Scheme for Fingerprint Images -- Paper

46: Distance Similarity as a CBR Technique for Early Detection of Breast Cancer: An Egyptian Case Study -- Paper 47: Modified PCT on Variable Cipher Block Chaining Mode -- Paper 48: A Fast and Efficient Mesh Smoothing Algorithm for 3D Graphical Models Using Cubic B-Splines -- Paper 49: Text Extraction from Scene Images through Local Binary Pattern and Business Features Based Color Image Segmentation -- Paper 50: Age Group Classification of Facial Images Using Rank Based Edge Texture Unit (RETU) -- Paper 51: Writer Identification from Handwritten Devanagari Script -- Paper 52: Quality Estimation of MT-Engine Output Using Language Models for Post-editing and their Comparative Study -- Paper 53: Genetic Algorithm with Improved Mutation Operator for Multiple Sequence Alignment -- Paper 54: Analysis of Induced Color for Automatic Detection of ROI in Multipose AVSR System -- Paper 55: Conditional Spatial Fuzzy C-means Clustering Algorithm with Application in MRI Image Segmentation -- Paper 56: Advancement in Guard Zone Computation through Detection and Exclusion of the Overlapped Regions -- Paper 57: Design of a Mixer for Performing Efficient Mixing to Reduce Overall Assay Response Time -- Paper 58: Remotely Functional-Analysis of Mental Stress Based on GSR Sensor Physiological Data in Wireless Environment -- Paper 59: Dynamic Software Metrics for Object Oriented Software: A Review -- Paper 60: Big Data Analytics and its Prospects in Computational Proteomics -- Paper 61: The Future ICT Education in India – A Pilot Study on the Vision of Ubiquitous Learning in Higher Education -- Paper 62: Study of Various Feature Extraction and Selection Techniques for Drought Prediction in Precision Agriculture -- Paper 63: Automatic Segmentation of Spoken Word Signals into Letters Based on Amplitude Variation for Speech to Text Transcription -- Paper 64: Logically Organised Sensor Based Prototype Model for Automatic Control of Process Temperature -- Paper 65: Investigations into the Goodness of Posts in Q&A Forums – Popularity vs. Quality -- Paper 66: Color Video Compression Based on Fractal Coding Using Quadtree Weighted Finite Automata -- Paper 67: BIG Data Analysis for Indian E-Governance Projects - A Proposed Framework to Improve Real Time Reporting -- Paper 68: Role of Team Leaders in Employee Faith in the Performance Appraisal Practices: An Exploratory Study on the Software Professionals in Some selected IT Companies in West Bengal (India) -- Paper 69: Automatic Bus Fare Collection System in India -- Paper 70: Secure E-Learning Framework (SeLF) -- Paper 71: Embedding an Extra Layer of Data Compression Scheme for Efficient Management of Big-Data -- Paper 72: Automatic Gesture Recognition for Health Care Using Relief and Fuzzy kNN -- Paper 73: Volume Cutting of Medical Data Using Deformable Surfaces Modeled with Level Sets -- Paper 74: Improved DB-SCAN for Detecting Zonal Followers for Small Regions on Twitter -- Paper 75: Cooperative Revocation of Misbehaving Vehicles from VANET -- Paper 76: Identification and Recognition of Defects in Civil Structures Using Non-Destructive Technique -- Paper 77: Efficient Knowledge Transformation for Incremental Learning and Detection of New Concept Class in Students Classification System -- Paper 78: A Software Project Risk Analysis Tool Using Software Development Goal Modeling Approach -- Paper 79: Modeling Agility in Internet of Things (IoT) Architecture -- Paper 80: Authentication in Higher Region of Convergence of Z Transform Domain (AHRocZ) -- Paper 81: Bilateral Filtering in Wavelet Domain for Synthesis of Flash and No-Flash Image Pairs -- Paper 82: Simulation Tool for Assignment Model: ASSOLVE -- Paper 83: Pharmaco-Informatics: An Interaction Study of Herbal Compounds with Receptors Implicated in ADHD -- Paper 84: Restoration Algorithm for Gaussian Corrupted MRI Using Non-Local

Averaging -- Paper 85: Multi-objective Optimization Based Software Testing Using Kansei Quality Approach -- Paper 86: Prediction of Occurrence of Heart Disease and its Dependability on RCT Using Data Mining Techniques -- Paper 87: An Artificial Neural Networks Model by Using Wavelet Analysis for Speaker Recognition.

---

Sommario/riassunto

The second international conference on Information Systems Design and Intelligent Applications (INDIA – 2015) held in Kalyani, India during January 8-9, 2015. The book covers all aspects of information system design, computer science and technology, general sciences, and educational research. Upon a double blind review process, a number of high quality papers are selected and collected in the book, which is composed of two different volumes, and covers a variety of topics, including natural language processing, artificial intelligence, security and privacy, communications, wireless and sensor networks, microelectronics, circuit and systems, machine learning, soft computing, mobile computing and applications, cloud computing, software engineering, graphics and image processing, rural engineering, e-commerce, e-governance, business computing, molecular computing, nano computing, chemical computing, intelligent computing for GIS and remote sensing, bio-informatics and bio-computing. These fields are not only limited to computer researchers but also include mathematics, chemistry, biology, bio-chemistry, engineering, statistics, and all others in which computer techniques may assist.

---