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Nota di contenuto	Customized Opinion Mining using Intelligent Algorithms -- Information Security Measurement Roles and Responsibilities -- Service and Information Security Improvement by Collaborative Business Process Management -- Software Design for Dynamic Stitching of Multi-spectral Images of Field Crops -- Teaching Robotics to Students with Mixed Interests -- An Initial Study Identifying Trends in Test Case Selection -- Providing Strategies for Education in Engineering for Virtual Team Development -- New Automated Assembly Model Based On Automated Rout Card Scheme -- On Using a Semiotic Quality Framework to Evaluate the Quality of Conceptual Database Schemas -- Pareto Front Investigation of Multivariable Control Systems -- Multi-objective Performance Evaluation of Controllers for a Thermal Process -- Design Considerations for Generalized Predictive Controllers and Systems with Fractional Dead Time -- R-Mesh Simulator Using C++ -- Image Pre-compensation for Visually Impaired Computer Users with Variable Pupil Size -- Digital Filtering of the Pupil Diameter Signal for Affective Assessment of a Computer User -- TCCT: A GUI Table

Comparison Computer Tool -- Information Management for Holistic, Collaborative Information Security Management -- Towards Passive Walking for the Fully-actuated Bi-ped Robot Nao -- The Multi GPU Accelerated Waveform Inversion in Distributed OpenCL Environment -- The Analysis of the Efficiency of Parallelization of Existing Serial Code on the Basis of Seismic Migration -- A Cluster Analysis for Determining the Effects of Codes of Conduct in the Business Administration -- Playing With Numbers: Development Issues and Evaluation Results of a Computer Game for Primary School Students -- Reverse Auctions: How Electronic Auctions Can Aid Governments in Significantly Cutting Their Procurement Spending and Introduce Greater Competition in Public Sector Contracting.-Models for Some Smart Toys and Extensions -- Matrix-based Methods for Supporting Logic Planning of IT Projects.- From Three Dimensional Document Circulation Diagram into UML Diagrams -- Operating System for Wireless Embedded Systems Powered by Energy Harvesters -- Data Transformation and Data Transitive Techniques for Protecting Sensitive Data in Privacy Preserving Data Mining -- Handling Maintenance Projects with Matrix-based Methods -- Computer Aided Diagnostic Methods to Forecast Condition-based Maintenance Tasks -- On Numerical Approach to Stochastic Systems Modeling -- An Advanced DSS for Classification of Multiple-Sclerosis Lesions in MR Images -- E-learning Software for Students with Autism -- Steganography and Steganalysis: Current Status and Future Directions -- Validation Of System Architectures Against Requirements -- A Few Reflections Regarding Assessment in an E-learning Environment -- Methods to Ensure Higher Variability of Knowledge Tests in the Moodle LMS Environment -- The Use of Virtualization and Thin Clients within the Infrastructure of Computer Labs -- Testing Mobile Agents on the Azul Platform -- Support of Relational Algebra Knowledge Assessment -- On Synergy of Motivational Projects and Agile Software Development Practices -- Expert System as the Tool for Information Asymmetry Reduction on RCBS Market in EU -- Instructional Design for Building Entrepreneurial Competency in Romania: First Stage Research Framework and Results -- Security Requirements for Internet Voting Systems -- A Multi-Algorithm, High Reliability Steganalyzer Based on Services Oriented Architecture -- A Quality Model of Metamodeling Systems -- Selection of Appropriate Data Storage for Wavelet Transform Coefficients -- Drug Delivery by Electroporation: Review -- Wine Maturation using Electric Field -- A Computational Intelligence Approach for Forecasting Telecommunications Time Series -- Designing a Networking Tool for Automatic Domain Zone Updating -- Open Source Software Development: Exploring Research Perspectives -- Informal Instructional Design to Engage and Retain Students in Engineering -- TCP with Advanced Window Scaling Option.-Implementation of the Handheld Decision Support System for Agriculture and Home Gardening -- A Low-overhead BIST Architecture for Digital Data Processing Circuits.- Dynamic Web Service Composition with MDE Approaches and Ontologies -- An Approach Based on Z Language for Formalization of Model Transformation Definition -- Intrusion Detection System for Botnet Attacks in Wireless Networks Using Hybrid Detection Method Based on DNS -- Parallelization of Closed-form Stiffness Matrix Generation for Tetrahedral Finite Elements -- Metrics in Assessing the Quality and Evolution of jEdit -- Customising a BBVC for Asterisk VoIP Services -- An Exploratory Empirical Study of Internal Quality Attributes of Open Source Software Systems -- An Approach to Information Technologies for Solving Mathematical Physics Problems -- Multiple Software Watchdog Timers in the Linux OS -- An Ontology-based

Fuzzy Approach for Alert Verification and Correlation in RFID Systems -- XML Database Storage for Web based Application -- Towards C# Application Development using UML State Machines -- a Case Study -- Visualization of Verilog Digital Systems Models -- Expert System Aided Power System Reinforcement with Reliability and Voltage Sag Consideration -- A TSK Fuzzy Approach to Channel Estimation for 802.11a WLANs -- Comparison of Bootstrapping and Finite State Machine Simulations of a Scheduling Benchmark -- Low Power 8-Bit Baugh-Wooley Multiplier Based on Wallace Tree Architecture -- Rapid Prototyping and CAD/CAM in Building Design Education: A Very Early Introduction to Mass Customization -- Design and Implementation of Nonlinear Control Strategies: A Tutorial -- Using PRINCE2 Project Management Methodology to Develop SOA Based Applications -- Logical Circuits Design Education Based On Virtual Verification Panel -- Extending LR Parsing to Implement Rewriting Semantics in Extensible Programming Languages -- Neuro-Fuzzy Model Related to Job Assignment -- Time-Based Location Prediction Technique for Wireless Cellular Networks -- Computer Simulation Applied to the Design of Urban Public Spaces: Day Lighting in the Squares -- Some Results in Automatic Functional Test Design for Processors -- Enhanced Classroom Presenter -- A Textual Domain Specific Language for User Interface Modeling -- Vehicle Detection Even in Poor Visibility Conditions Using Infrared Thermal Images and Its Application to Road Traffic Flow Monitoring -- Using Data Mining Techniques for Diagnostic of Virtual Systems under Control of KVM -- C# Based Media Center.-An Efficient Intrusion Detection System for Mobile Ad Hoc Networks -- The Academic Rating Criteria for Knowledge Web-Based in Thailand -- Traditional and Modern MCQ Methods as In-class Formative Assessment -- Evaluating the Impact of Various Modulation Schemes on WiMAX Quality of Service -- Estimation of Depth Map using Image Focus: A Scale-Space Approach for Shape Recovery -- Applying Intelligent Agents in Traffic Control for Traffic Intersection Groups -- Energy Saving in Advanced Absorption Heat Pump with Object Oriented Programming -- Application of Artificial Neural Networks in Chosen Glass Laminates Properties Prediction -- Archaeology, Incas, Shape Grammars and Virtual Reconstruction -- Strategic Design of a Financial Model -- Numerical Analysis of Electromagnetic Field Coupled with the Thermal Field in Induction Heating Process -- Process Deployment: A Taxonomy of Critical Success Factors. .

Sommario/riassunto

Emerging Trends in Computing, Informatics, Systems Sciences, and Engineering includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Industrial Electronics, Technology & Automation, Telecommunications and Networking, Systems, Computing Sciences and Software Engineering, Engineering Education, Instructional Technology, Assessment, and E-learning. This book includes the proceedings of the International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CISSE 2010). The proceedings are a set of rigorously reviewed world-class manuscripts presenting the state of international practice in Innovative Algorithms and Techniques in Automation, Industrial Electronics and Telecommunications.
