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Cellular Automata Based Approach for Prediction of Hot Mudflow Disaster Area -- Stochastic Optimization Approaches to Image Reconstruction in Electrical Impedance Tomography -- Estimating Soil Parameters Using the Kernel Function -- A Genetic Algorithm for Efficient Delivery Vehicle Operation Planning Considering Traffic Conditions -- On the Possibilities of Multi-core Processor Use for Real-Time Forecast of Dangerous Convective Phenomena -- Transformation, Reduction and Extrapolation Techniques for Feynman Loop Integrals -- Workshop on PULSES V- Logical, Scientific and Computational Aspects of Pulse Phenomena in Transitions (PULSES 2010) -- Application of Wavelet-Basis for Solution of the Fredholm Type Integral Equations -- Fractal Patterns in Prime Numbers Distribution -- Efficient Energy Supply from Ground Coupled Heat Transfer Source -- A Study of Nonlinear Time–Varying Spectral Analysis Based on HHT, MODWPT and Multitaper Time–Frequency Reassignment -- Performance Analysis of Greenhouses with Integrated Photovoltaic Modules -- Modelling Cutaneous Senescence Process -- Self-similar Hierarchical Regular Lattices -- Workshop on Software Engineering Processes and Applications (SEPA 2010) -- Model Driven Software Development of Applications Based on Web Services -- An Aspect-Oriented Approach for Mobile Embedded Software Modeling -- Multi-variate Principal Component Analysis of Software Maintenance Effort Drivers -- Process Model Based Incremental Project Planning -- A Software Metric for Python Language -- Certifying Algorithms for the Path Cover and Related Problems on Interval Graphs -- Design and Overhead Estimation of Device Driver Process -- Improvement of Gaze Estimation Robustness Using Pupil Knowledge -- Workshop on WEB 2.0 and Social Networks (Web2.0 2010) -- Behaviour-Based Web Spambot Detection by Utilising Action Time and Action Frequency -- Towards the Definition of a Metamodel for the Conceptual Specification of Web Applications Based on Social Networks -- Semi-automatic Information Extraction from Discussion Boards with Applications for Anti-Spam Technology -- Factors Involved in Estimating Cost of Email Spam -- Spam 2.0: The Problem Ahead -- General Track on Information Systems and Technologies -- Tag Recommendation for Flickr Using Web Browsing Behavior -- USABAGILE_Web: A Web Agile Usability Approach for Web Site Design -- Combining CSP and Constraint-Based Mining for Pattern Discovery -- Experience in Developing an Open Source Scalable Software Infrastructure in Japan -- A New Formal Test Method for Networked Software Integration Testing -- General Track on Computational Methods, Algorithms and Scientific Application -- Automatic History Matching in Petroleum Reservoirs Using the TSVD Method -- An Efficient Hardware Architecture from C Program with Memory Access to Hardware -- A New Approach: Component-Based Multi-physics Coupling through CCA-LISI -- Efficient Algorithms for the 2-Center Problems -- A Genetic Algorithm for Integration Planning of Assembly Operation and Machine Layout -- General Track on Advanced and Emerging Applications -- Diagnosis of Learning Styles Based on Active/Reflective Dimension of Felder and Silverman’s Learning Style Model in a Learning Management System -- Exploring the State of the Art in Adaptive Distributed Learning Environments -- Analysis of an Implicitly Restarted Simpler GMRES Variant of Augmented GMRES -- On the Linearity of Cryptographic Sequence Generators.