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Nota di contenuto	Keynote and Plenary Papers -- Wavelet-Chaos-Neural Network Models for EEG-Based Diagnosis of Neurological Disorders -- An Introduction to Perception Based Computing -- Social Networks: Research and Applications -- The Roadmap for Sharing Electronic Health Records: The Emerging Ubiquity and Cloud Computing Trends -- Compound Analytics of Compound Data within RDBMS Framework -- Infobright's Perspective -- From Grid Computing to Cloud Computing: Experiences on Virtualization Technology -- Data Analysis, Data Processing, Advanced Computation Models -- Recursive Queries Using Object Relational Mapping -- Agent Based Ontology Driven Virtual Meeting Assistant -- Topic Number Estimation by Consensus Soft Clustering with NMF -- Infrastructure Aided Privacy Preserving-Authentication in VANETs -- Computational Analysis of a Power Distribution System with Petri Nets -- Analysis of Effect of Different Factors on Burst Dropping Probability in Optical Burst Switching Network -- An Optimization of Fundamental Frequency and Length of Syllables for Rule-Based Speech Synthesis -- Grid Smoothing for Image Enhancement -- Suppressing False Negatives in Skin Segmentation -- Steady State Analysis of an Energy Efficient Mobility Management Scheme in IP-Based Wireless Networks -- Performance Comparison of Handoff Modes in Terms of

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## Sommario/riassunto

As information technology (IT) becomes specialized and fragmented, it is easy to lose sight that many topics have common threads and because of this, advances in one s- discipline may transmit to another. The presentation of results between different s- disciplines encourages this interchange for the advancement of IT as a whole. This volume comprises the selection of papers presented at the Second International Mega-Conference on Future Generation Information Technology (FGIT 2010), composed of the following 11 international conferences: Advanced Software Engineering and Its Applications (ASEA 2010), Bio-Science and Bio- Technology (BSBT 2010), Control and Automation (CA 2010), Disaster Recovery and Business Continuity (DRBC 2010), Database Theory and Application (DTA 2010), Future Generation Communication and Networking (FGCN 2010), Grid and Distributed Computing (GDC 2010), Multimedia, Computer Graphics and Broadcasting (MulGraB 2010), Security Technology (SecTech 2010), Signal Processing, Image Processing and Pattern Recognition (SIP 2010), as well as u- and e-Service, Science and Technology (UNESST 2010). In total, 1,630 papers were submitted to FGIT 2010 from 30 countries. The submitted papers went through a rigorous reviewing process and 395 papers were accepted. Of these 395 papers, 60 were assigned to this volume. In addition, this volume contains 7 invited papers and abstracts. Of the remaining accepted papers, 269 were distributed among 8 volumes of proceedings published by Springer in the CCIS series. 66 papers were withdrawn due to technical reasons.

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