

1. Record Nr.	UNINA9910484604103321
Titolo	Advances in Computer Science and Information Technology : AST/UCMA/ISA/ACN 2010 Conferences, Miyazaki, Japan, June 23-25, 2010. Joint Proceedings / / edited by Tai-hoon Kim, Hojjat Adeli
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010
ISBN	1-280-38711-4 9786613565037 3-642-13577-3
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (XIII, 604 p. 261 illus.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 6059
Altri autori (Persone)	KimTai-hoon AdeliHojjat <1950->
Disciplina	004
Soggetti	Computer networks Computer programming Application software Information storage and retrieval systems Artificial intelligence Algorithms Computer Communication Networks Programming Techniques Computer and Information Systems Applications Information Storage and Retrieval Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Information Security and Assurance -- Fuzzy Based Threat Analysis in Total Hospital Information System -- An ID-Based Anonymous Signcryption Scheme for Multiple Receivers Secure in the Standard Model -- A Supervised Locality Preserving Projections Based Local Matching Algorithm for Face Recognition -- Information Systems Security Criticality and Assurance Evaluation -- Security Analysis of

‘Two-Factor User Authentication in Wireless Sensor Networks’ --  
Directed Graph Pattern Synthesis in LSB Technique on Video  
Steganography -- Feature Level Fusion of Face and Palmprint  
Biometrics by Isomorphic Graph-Based Improved K-Medoids  
Partitioning -- Post-quantum Cryptography: Code-Based Signatures --  
Security Analysis of the Proposed Practical Security Mechanisms for  
High Speed Data Transfer Protocol -- A Fuzzy-Based Dynamic Provision  
Approach for Virtualized Network Intrusion Detection Systems -- An  
Active Intrusion Detection System for LAN Specific Attacks -- Analysis  
on the Improved SVD-Based Watermarking Scheme -- Advanced  
Communication and Networking -- Applications of Adaptive Belief  
Propagation Decoding for Long Reed-Solomon Codes -- Dynamic  
Routing for Mitigating the Energy Hole Based on Heuristic Mobile Sink  
in Wireless Sensor Networks -- Grammar Encoding in DNA-Like Secret  
Sharing Infrastructure -- HATS: High Accuracy Timestamping System  
Based on NetFPGA -- A Roadside Unit Placement Scheme for Vehicular  
Telematics Networks -- Concurrent Covert Communication Channels  
-- Energy Efficiency of Collaborative Communication with Imperfect  
Frequency Synchronization in Wireless Sensor Networks -- High  
Performance MAC Architecture for 3GPP Modem -- Modified Structures  
of Viterbi Alogrithm for Forced-State Method in Concatenated Coding  
System of ISDB-T -- A New Cross-Layer Unstructured P2P File Sharing  
Protocol over Mobile Ad Hoc Network -- A Model for Interference on  
Links in Inter-working Multi-hop Wireless Networks -- An Optimum  
ICA Based Multiuser Data Separation for Short Message Service --  
Advanced Computer Science and Information Technology -- Multiple  
Asynchronous Requests on a Client-Based Mashup Page -- Using an  
Integrated Ontology Database to Categorize Web Pages -- Topic  
Detection by Topic Model Induced Distance Using Biased Initiation --  
Mining Significant Least Association Rules Using Fast SLP-Growth  
Algorithm -- Maximized Posteriori Attributes Selection from Facial  
Salient Landmarks for Face Recognition -- Agent Based Approach to  
Regression Testing -- A Numerical Study on B&B Algorithms for Solving  
Sum-Of-Ratios Problem -- Development of a Digital Textbook  
Standard Format Based on XML -- A Pattern-Based Representation  
Approach for Online Discourses -- A Fault Tolerant Architecture for  
Transportation Information Services of E-Government -- Design and  
Implementation of Binary Tree Based Proactive Routing Protocols for  
Large MANETS -- Extract Semantic Information from WordNet to  
Improve Text Classification Performance -- Managing Ubiquitous  
Scientific Knowledge on Semantic Web -- A Semantic Pattern Approach  
to Managing Scientific Publications -- A Bootstrap Software Reliability  
Assessment Method to Squeeze Out Remaining Faults -- Markov Chain  
Monte Carlo Random Testing -- An Integrated Approach to Detect  
Fault-Prone Modules Using Complexity and Text Feature Metrics --  
Ubiquitous Computing and Multimedia Applications -- An Effective  
Video Steganography Method for Biometric Identification -- A Video  
Coding Technique Using Octagonal Motion Search and BTC-PF Method  
for Fast Reconstruction -- Rough Set Approach in Ultrasound  
Biomicroscopy Glaucoma Analysis -- Video Copy Detection: Sequence  
Matching Using Hypothesis Test -- An XML-Based Digital Textbook and  
Its Educational Effectiveness -- SIMACT: A 3D Open Source Smart Home  
Simulator for Activity Recognition -- Design of an Efficient Message  
Collecting Scheme for the Slot-Based Wireless Mesh Network -- A  
Novel Approach Based on Fault Tolerance and Recursive Segmentation  
to Query by Humming -- Chinese Prosody Generation Based on C-ToBI  
Representation for Text-To-Speech -- CAS4UA: A Context-Aware  
Service System Based on Workflow Model for Ubiquitous Agriculture --

## A Power Control Scheme for an Energy-Efficient MAC Protocol -- Towards the Designing of a Robust Intrusion Detection System through an Optimized Advancement of Neural Networks.

### Sommario/riassunto

Advanced Science and Technology, Advanced Communication and Networking, Information Security and Assurance, Ubiquitous Computing and Multimedia Applications are conferences that attract many academic and industry professionals. The goal of these co-located conferences is to bring together researchers from academia and industry as well as practitioners to share ideas, problems and solutions relating to the multifaceted aspects of advanced science and technology, advanced communication and networking, information security and assurance, ubiquitous computing and multimedia applications. This co-located event included the following conferences: AST 2010 (The second International Conference on Advanced Science and Technology), ACN 2010 (The second International Conference on Advanced Communication and Networking), ISA 2010 (The 4th International Conference on Information Security and Assurance) and UCMA 2010 (The 2010 International Conference on Ubiquitous Computing and Multimedia Applications). We would like to express our gratitude to all of the authors of submitted papers and to all attendees, for their contributions and participation. We believe in the need for continuing this undertaking in the future. We acknowledge the great effort of all the Chairs and the members of advisory boards and Program Committees of the above-listed events, who selected 15% of over 1,000 submissions, following a rigorous peer-review process. Special thanks go to SERSC (Science & Engineering Research Support Society) for supporting these co-located conferences.