

Institution of Engineering and Technology

China-Ireland International Conference on Information and Communications Technologies

CIICT 2008

IET Conference Publications 544

September 26-28, 2008
Beijing, China

Volume 1 of 2

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571
www.proceedings.com

ISBN: 978-1-60560-803-7

Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2008) by the Institution of Engineering and Technology
All rights reserved.

For permission requests, please contact the Institution of Engineering and Technology
at the address below.

Institution of Engineering and Technology
P.O. Box 96
Stevenage, Hertfordshire
U.K. SG1 2SD

Phone: 01-441-438-767-328-328
Fax: 01-441-438-767-328-375

www.theiet.org

TABLE OF CONTENTS

VOLUME 1

A AST and Context Based Duplicated Code Detecting Method	1
<i>Wei Liu, Chuanchang Liu, Yunzhan Gong, Junliang Chen</i>	
Study on Travel Active Information Service System	6
<i>Junping Du, Su Wang</i>	
Study on Information Classification of Tourism Emergency Events	10
<i>Junping Du, Su Wang</i>	
Building a Heterogeneous Software Architecture for the WBC Service Layer	14
<i>Zhanlin Ji, I. Ganchev, M. O'Droma</i>	
An IT Service Management Implement Strategy for Customer Service System.....	19
<i>Lei Zhang, Yi Huang, Jianbin Tan</i>	
Research of Requirements Elicitation Based on Domain Ontology	24
<i>Yu Song, Wei Chen, Hongli Zhang</i>	
A Three-stage Model to Overcome the Challenges Faced by Indian Software Small & Medium Enterprises (SMEs).....	29
<i>A.A. Moiz Qyser, S. Ramachandram, S.A. Moiz</i>	
An Agile SCM System Based on Agent and Ontology	33
<i>Ruixue Fu, Chaofeng Xu, Ming Song, Zhanhong Xin</i>	
A Service Layer Design Framework for Legacy System Based on SOA.....	39
<i>Rong Qiao, Yan Zheng</i>	
Statistic-based Chinese Organization Name Recognition.....	44
<i>Ying Qin, Xiaojie Wang, Yixin Zhong</i>	
Modeling the Acoustic Correlates of Dialog Act for Expressive Chinese TTS Synthesis	49
<i>Hongwu Yang, H.M. Meng, Lianhong Cai</i>	
Method of Local Grammar Disambiguation in Chinese Auto-processing	54
<i>Chao Tang, Chen Liu, Zhengqiu Yang</i>	
Searching and Computing for Vocabularies with Semantic Correlations from Chinese Wikipedia.....	58
<i>Yun Li, Kaiyan Huang, F. Ren, Yixin Zhong</i>	
Confusion Based Automatic Question Generation.....	64
<i>Yuan Dong, Liang Lu, Haila Wang</i>	
Transformation of Two-dimensional Negation in Natural Languages: the Semantic Structure of Negative Sentences.....	68
<i>Yue Hu, Peifeng Wang</i>	
Statistical Acquisition of Domain-specific Semantic Grammar	74
<i>Chengcheng Li, Jianyi Liu</i>	
Study on Automatic Term Extraction Based on CRF Model for Information Field	77
<i>Meiyang Jia, Dequan Zheng, Bingru Yang, Jing Yang</i>	
Text Detection Based on Wavelet Transform	82
<i>Jie He, Fei Gao, Qing Nie</i>	
Research on Adaptive Pilot Parrent of OFDM System Channel Estimation.....	85
<i>Weidong Wang, Yinghai Zhang, Yong Zhang, Yu Liu</i>	

A New Method for Joint Frequency-bearing-elevation Estimation Based on Four-order Cumulant	91
<i>Bo Wang, Yanping Zhao, Gang Guo</i>	
A Synchronization Approach Based on CMHP for UWB System.....	95
<i>Xiaoyuan Wang, Ting Jiang, Zheng Zhou, Yabin Ye</i>	
Performance Evaluation of a Parallel C/A Code Acquisition Scheme Based on Maximum Likelihood Criterion	100
<i>Gaojin Wu</i>	
A Modulized Algorithm for Computing 4M- Point DFT	105
<i>Haijun Li, Peirong Ji, Xuejun Zhou</i>	
A New Method for Four Dimensional Parameters Estimation of Near Field Sources.....	109
<i>Bo Wang, Yanping Zhao, Gang Guo</i>	
An Efficient Joint Algorithm Based on One Training Sequence for OFDM System	113
<i>Hong Wu, Yingxin Zhao, Lijun Ge, WeiYi Tan, S.T. Song, H.Y. Liu</i>	
Orthogonal Frequency Division Multiplexing (OFDM)	117
<i>W. Kabir</i>	
Gait Recognition Based on Combined Invariant Moment	123
<i>Chen Tang, Yi Song, Jiafu Jiang</i>	
The Solve of the High Profit Development of the Tourism Destination	127
<i>Junxia Liu, Hui Li, Junping Du, Wei Zhao</i>	
Weighted Multi-criteria Workflow Task Assignment	131
<i>Yu Ouyang, Xiping Yang</i>	
Analysis of China's Economic Growth.....	134
<i>Hui Li, Zhenyi Luo</i>	
Forecasting Heartbeat Delay for Failure Detector Over Internet Using Neural Network	138
<i>Haijun Zhao, Yan Ma, Xiaohong Huang, Fang Zhao</i>	
A New Frame Rate Up Conversion Scheme Based on Mixed Genetic Algorithm and Particle Filter Approach.....	143
<i>Haibin Song, Aidong Men</i>	
Using DNA Computing to Solve Minimum Spanning Tree Problem	150
<i>Yan Li</i>	
Research on Knowledge Expressing Method Based on Multi-agent	155
<i>Dongmei Ai, Jing Wen, Shurong Ning, Xiaojuan Ban</i>	
On Coordinating Strategy for One-to-many Negotiation	160
<i>Yonglei Yao, Li Ma</i>	
Study on Web Data Extraction	165
<i>Wensheng Li, Lan Shan, Ying Zhao, Juhong Zhang</i>	
Design of Vertical Search Engine Model Based on the Analysis of Page Links and Correlation.....	169
<i>Wensheng Li</i>	
Using Clustering to Enhance Text Classification	172
<i>Lei Liu, Lei Li, Yixin Zhong</i>	
Data Warehousing for Data Mining Based on OLAP Technology	176
<i>Xinliang Liu, Junping Du, Wenzheng Li, Min Zuo, Zhongming Han</i>	

Practice in Ontology-based Semantic Retrieval Technology	180
<i>Lei Zhang, Mudan Cao, Bai Wang</i>	
An Approach for Domain Ontology-based Semantic Retrieval	185
<i>Zhimiao Qi, Yan Zheng</i>	
Game Player Strategy Pattern Recognition by Using K-nearest Neighbor.....	190
<i>Suoju He, Junping Du, Guoshi Wu, Jing Li, Yi Wang, Fan Xie, Zhiqing Liu, Qiliang Zhu</i>	
Research on Distributed Data Mining Based on Multi-agent	194
<i>Ruijie Wang, Junping Du, Yixin Yin, Xuyan Tu</i>	
Analyzing Temporal Variation of Telecom Graph Structure	199
<i>Bin Wu, Xin Yang, Yi Huang, Jianbin Tan</i>	
Finding Sales Promotion Based on Group Analysis of Edge-enhanced Product Networks	204
<i>Bin Wu, Jianbin Tan, Yi Huang</i>	
Mining Species-specific Subsequences in Bacteria Transcription Terminators	211
<i>Baohua Gu, Yi Sun</i>	
Ordering of Fuzzy Quantities and Its Software.....	216
<i>Zhongming Han, Xuzhu Wang, Wenzheng Li, Dagao Duan</i>	
A Generation Technique of 2D PEBI Grid for Geology Modeling	221
<i>Qiang Cai, Haisheng Li, Changfei Wang, Qin Yang</i>	
An Accurate Large-signal Model for RF SOI LDMOS Including Self-heating Effect	225
<i>Huang Wang, Lingling Sun, Zhiping Yu, Jun Liu</i>	
Internet Information Spreading Model Research	231
<i>Yu Cao, Yong Fang, Anming Zhou, Li Chen</i>	
Modeling and Evolving Biochemical Networks: Insights Into Communication and Computation from the Biological Domain	235
<i>J. Decraene, G.G. Mitchell, B. McMullin</i>	
Rapidly Convergent Integral Equation Modelling of EM Wave Propagation Through Inhomogeneous Media	240
<i>C. Brennan, B. Babu, M. Condon, M. Mullen</i>	
Adaptive Fault Detection Strategy in Grid	245
<i>Hong Liang, Xin Qi, Yuantao Gao</i>	
Study on Resource Selection Method Based on Multiple Application Attributes in Service Grid	249
<i>Weiwei Jiang, Hongyan Cui, Xiaojuan Wang, Lifeng Zhu, Jianya Chen</i>	
The Mean Square Convergence of PPDA Projection Index.....	254
<i>Zhigang Zhang, Junqing Tian, Ying Ren</i>	
With Petri Nets to Build ECA Rules Model.....	256
<i>Li Song, Diming Ai</i>	
An Improvement for Bluetooth Pairing	261
<i>Enlai Chu, Zhaoshun Wang, Guicheng Shen</i>	
Controlled Teleportation of Multi-particle Partially Entangled State Via a W State.....	266
<i>Xiubo Chen, Qiaoyan Wen, Shiming Li, Liying Shangguan, Gang Xu, Fuchen Zhu</i>	
A New Session Key Agreement Protocol in Distributed Trusted Centers Environment	271
<i>Ning Li, T. Yeap, Chongxiu Yu</i>	
A Password-authentication Scheme Based on Secure Two-party Computation	275
<i>Qibo Sun, Wenbin Wang, Fangchun Yang, Qian Xiao</i>	

Research on Detecting SIP Message Flooding Attacks	279
<i>Qibo Sun, Shuang Qian</i>	
The Research on Interface Sensibility of Vulnerabilities in IP Multimedia Subsystem	283
<i>Shuang Qian, Danfeng Yan, Fangchun Yang</i>	
Research for Threats and Security in RFID Information System	288
<i>Zhaoshun Wang, Hongsong Chen, Xiaoli Huang</i>	
Analysis and Design of Elliptic Curve Cryptosystem.....	292
<i>Guicheng Shen, Zhaoshun Wang, Xuefeng Zheng</i>	
Analysis of Reconciliation Protocol in Quantum Key Distribution Using Coherent States	296
<i>Le Du, Li Yu, Bojun Yang</i>	
Research of a Hybrid Distributed Network Intrusion Detection System	301
<i>Qin Li, Danfeng Yan, Fangchun Yang</i>	
Double-layer Intrusion Detection Method Based on NDIS-Hook and SPI	306
<i>F.M. Dong, J.F. Liu, R. Zhang</i>	
An Authentication and Session Key Agreement Protocol Based on Identity Signature	311
<i>Ning Li, Tet Yeap, Chongxiu Yu</i>	
A Blind Watermarking Algorithm for Color Image Based on SVD and DWT	316
<i>Weimin Yang, Zheng Jin</i>	
Research on Privacy-preserving Problem for Data-sharing in IDS.....	320
<i>Wenbin Wang, Qibo Sun, Danfeng Yan</i>	
Research and Implement of Digital Rights Management System Based on the Smart Card.....	324
<i>Zhaoshun Wang, Lin Dong, Guicheng Shen</i>	
Research and Implementation of Security Evaluation System for NGN	329
<i>Danfeng Yan, Fangchun Yang, Wenbin Wang</i>	
Energy-aware Compilation for Network Processors: Frameworks, Techniques and Trend	334
<i>Jing Huang, Xiaojun Wang, Bin Liu, Jia Yu</i>	
Solution to Inter-domain Policy Disputes	341
<i>Huaming Guo, Nan Yao, Yunfei Ma, Hongke Zhang</i>	
Design and Implementation of Intranet Monitoring System.....	346
<i>Zhiqiong Wang, Yue Zhao, Yidan Guo, Shijia Guo</i>	
Iterative Decoding for the Concatenation of LDPC Codes and RS Codes Based on ABP.....	351
<i>Xin Chen, Aidong Men, Liye Zhao, Ziyi Quan</i>	
A Service Oriented Vertical Handover Decision Making Scheme Using MIH.....	355
<i>Zhiwei Yan, Huachun Zhou, Hongke Zhang, Yajuan Qin, Sidong Zhang</i>	
Mobile Multicast Scheme in Multi-homing Environment	361
<i>Jianfeng Guan, Huachun Zhou, Yajuan Qin, Hongke Zhang</i>	
Experimentation and Analysis on Multiple Interfaces Mobile Router Scheme Between Overlay Heterogeneous Access Networks	368
<i>Xiaohua Chen, Huachun Zhou, Yajuan Qin, Hongke Zhang</i>	
A Mobile Routing Mechanism Based on Path Information of an Aircraft in ATN	373
<i>Qingwei Li, Zhanchun Gao, Yanjun Jiang, Xiuqin Lin</i>	
Optimal Task Allocation and Payment Minimization Strategy of the Multihomed End System	377
<i>Haisheng Jiang, Sidong Zhang, Hongke Zhang</i>	

Frequency Scaling for Multidimensional Packet Classifiers	383
<i>A. Kennedy, Xiaojun Wang, Zhen Liu, Bin Liu</i>	
Design of Provisioning SLA in ASON	388
<i>Xueyan Wang, Xue Liu, Ru Zhang, Wanyi Gu</i>	
Bit Deleting Decoding Algorithm for Finite-geometry LDPC Codes.....	392
<i>Xin Chen, Bo Yang, Aidong Men</i>	
Delay-jitter Optimized Starting Potential-based Fair Queueing	396
<i>Jiangtao Yin, Xudong Yang</i>	
Adaptive Searching Algorithm Based on Q- Routing in Structured Peer to Peer Systems	401
<i>Rui Huang, Danfeng Yan, Yihui Zheng</i>	

VOLUME 2

Joint Routing and Scheduling Scheme in Wireless Mesh Backhaul Networks.....	406
<i>Hailan Peng, Yong Zhang, Lei You, Mei Song</i>	
Optimal Quantization of BI-AWGN Channel for Turbo Decoding.....	411
<i>Zhenqu Zhao, Qijin Zhang, Qiuping Huang, Hongwen Yang</i>	
A Novel Protection Switching and Automatic Restoration Scheme for PONs with Double-ring Topology.....	415
<i>Dan Han, Xue Chen, Liqian Wang</i>	
Research of a Mining Method About Multidimensional Inter-time Association Rule Based on Sliding Window	419
<i>Na Deng, Fang Deng</i>	
Simulation Study on Reverse Reconciliation of a Continuous Variable Quantum Key Distribution System.....	423
<i>Kang Li, Li Yu, Bojun Yang</i>	
A New Network Fault Location Method Based on (CBR/MBR)	427
<i>Youchan Zhu, Zengxin Liu</i>	
Joint Resource Handover Judgment Algorithm.....	432
<i>Weidong Wang, Yinghai Zhang, Heng Zhang, Yao Zhou</i>	
NLOS Localization Method in UWB Environment Based on Signal Statistics	436
<i>Xuan Zhou, Ting Jiang, Zheng Zhou, Yabin Ye</i>	
K-path Multi-hop Distributed Routing Synchronization Model for Cluster Router	442
<i>Wenlong Chen, Yang Yang, Mingwei Xu, Xuezhi Jiang</i>	
Using Direct Interconnection Networks for Load-balanced Architecture	447
<i>Zhenhua Liu, Xiaoping Zhang, Youjian Zhao, Hongtao Guan</i>	
A New Method for Detection of Super Point	452
<i>Guang Cheng, Jian Gong, Wei Zhao</i>	
E-learning Delivery Requires Robust Leadership and High Salience of Interpersonal Relationships to Be Successful	457
<i>K. Heffernan</i>	
A Novel Scheduling Mechanism of Uplink Bandwidth Allocation for IEEE 802.16 (WIMAX) Wireless Networks	460
<i>Gang Chen, Min Zhang, Peida Ye</i>	
The Link16 Throughput Simulation Based on DTDMA	465
<i>Lidong Zhang, Hao Yin, Jie Zhang</i>	

The Architecture of the Weapon Cooperation Data Link	468
<i>Lidong Zhang, Hao Yin, Jie Zhang</i>	
Quantification of Hierarchical Levels in Terrorist Network: a Similarity-based Approach	472
<i>Kun Duan, Junping Du, Yang Zhao</i>	
Load Balancing Scheme for Wireless LANS Based on Cooperative Game Theory	477
<i>Na Lv, Demin Xu, Guopeng Zhang</i>	
A Simple Cache Scheme for Improving Split Multipath Routing Protocol in Ad Hoc Networks	481
<i>Qi Xiao, Zhaowei Qu</i>	
An Improved Weighted Clustering Algorithm for Mobile Ad Hoc Network	486
<i>Jingxia Li, Zhaowei Qu</i>	
Balanced Clustering Multi-hop Routing Algorithm for LEACH Protocol in Wireless Sensor Networks.....	491
<i>Ran Zhou, Luyong Zhang, Fei Yang, Haipeng Yao, Zheng Zhou</i>	
Ripple: an Efficient Team Multicast Protocol in Wireless Ad Hoc Networks Using Directional Antennas	496
<i>Jia Jin, Dongmei Zhang, Gengyu Wei, Bin Wan</i>	
Meeting User Throughput Requirements in WLAN Access Networks	501
<i>Quan Sun</i>	
A Novel MI Metric for Detecting Evaluation.....	507
<i>Jinbao Zhang, Hongming Zheng, Zhenhui Tan</i>	
Voice Capacity Improvement in IEEE 802.11 Networks.....	513
<i>Xian Gao, Meina Song, Yajuan Wang, Bo Xia, Junde Song</i>	
M3S - Multimedia Mobility Management and Load Balancing in Wireless Broadcast Networks	519
<i>B. Ciubotaru, G.-M. Muntean</i>	
On Packet Combining for Wireless Sensor Networks	526
<i>D. O'Rourke, C. Brennan</i>	
A Novel Scheme of Half-bit Alternate Differential Polarization Shift-keying for High Bit Rate DWDM Transmission Systems.....	532
<i>Jie Wu, Xue Chen, Sheping Shi, Weiqin Zhou</i>	
A Cooperative Communication in Wireless Networks Based on Best Relay Selection: 4th Generation of Mobile Communication.....	535
<i>C.P. Singh, P. Garg</i>	
Study on a Priority Based Dynamic Slot Allocation Algorithm for TDMA Channel Access	540
<i>Peipei Zhao, Gengyu Wei, Dongmei Zhang</i>	
Novel Hybrid Bicm Scheme with MIMO-turbo Receiver.....	544
<i>Juan Han, Minghua Liu, Bo Tan</i>	
An Efficient IQ Scheduling Algorithm with Deterministic Deadline in Packet Switch Network.....	548
<i>Fei Hong, Yu Bai</i>	
A Game-theoretic Analysis of TCP Vegas and Fast TCP.....	553
<i>Zhenhua Liu, Xiaoping Zhang, Dong Wang, Youjian Zhao, Hongtao Guan</i>	
High Speed Self-study Packet Classification Method for Traffic Measurement on IP Backbone.....	558
<i>Hongtao Guan, Jianping Wu, Youjian Zhao, Zhenhua Liu, Xiaoping Zhang</i>	

Cluster Router: Homogeneous OSPF for Distributed Control Plane.....	563
<i>Xuezhi Jiang, Mingwei Xu, Lingtao Pan, Wenlong Chen</i>	
The Optimization Design of Icon Based Information Interaction in the Mobile Terminals.....	568
<i>Xia Li</i>	
Study of Template-based Service Creation in NGN.....	573
<i>Shihui Fan, Hua Zou, Yao Zhao</i>	
A Service Executing Framework Supporting Dynamic Deployment Based on Reflection in NGN.....	578
<i>Xuemei Deng, Yao Zhato, Hua Zou</i>	
Deploying VoIP Network Over Private Network Traversal.....	583
<i>Xiaoru Wang, Yuan Yao, Yue Ma</i>	
Design and Realization of the Voice Interaction System Based on Web	587
<i>Zhenzhao Liu, Xudong Chen, Shangjun Wang</i>	
Security Mechanism and Realization for SIP Based Network Telephone	592
<i>Gang Liu, Jing Zhang, Jia Qin</i>	
Automatic Context-aware Based on Profile Setting Via SMS Service	595
<i>Yujie Shi, Quan Zhang, Chaojing Tang</i>	
A Method Based on CID Service to Realize MWI Function for VMS Service	599
<i>Hongman Wang, Xiaohui Zhu, Yuzhang Liu, Fangchun Yang</i>	
Build Enterprise Multi-service Network Infrastructure Using Network Isolation Technology	603
<i>Xiaoru Wang, Yue Ma, Xiuqin Lin</i>	
The Dynamic Solution to Mutually Exclusive Service Conflict Based on Presence in IMS	606
<i>Shuai Jiang, Zhihan Liu, Sen Su</i>	
Comparison Between SNMP and CORBA and Their Application.....	611
<i>Ru Wang, Xian Zhang, Yanlei Zheng, Shangguo Huang, Wanyi Gu</i>	
Towards Fast and Flexible Simulation of Network Processors.....	616
<i>Z. Liu, D. Bermingham, X. Wang</i>	
Design of Multi-mode PLL for Power Management IC	620
<i>Hong Pan, Xiaobo Wu, Shuang Song, Menglian Zhao, Xiaolang Yan</i>	
Research and Design of an Examination Handset Based on RFID.....	624
<i>Xun Zhang, Xiqing Wang, Fen Yu, Lingling Sun</i>	
Logic Equivalence Check in SOC Design: Solution and Issues.....	628
<i>Q.K. Zhu</i>	
Accumulation-mode and Inversion-mode Triple-gate MOSFETs.....	632
<i>R. Yan, A. Afzalian, C.-W. Lee, D.N. Akhavan, W. Xiong, J.-P. Colinge</i>	
Dielectric Characterization for Novel High-k Thin Films Using Microwave Techniques	636
<i>Wenbin Chen, J.A. O'Sullivan, K.G. McCarthy</i>	
Building 3-D Structures for Negative Permittivity Metamaterials.....	640
<i>Z. Duan, D. Linton, W. Scanlon</i>	
Delay Measurement of Femtosecond Laser Pulses Using All-fiber Autocorrelation Technique Based on FWN.....	645
<i>Xiaoying Zhu, Chongxiu Yu, Kuiru Wang, Songhui Shen</i>	
Properties of Hollow-core Photonic Bandgap Fibers with Different Core Rings.....	649
<i>Hu Zhang, Qiuguo Wang, Bojun Yang, Li Yu</i>	

Steady-state Numerical Model for SG-DBR Lasers	653
<i>Xiaoying He, Yonglin Yu, Wen Liu, Dexiu Huang, D.N. Wang</i>	
Optimised Performance Analysis of a Wavelength Tuneable 42.7 GB/S EAM Based RZ Transmitter Over 1500 KM of SMF	658
<i>R. Maher, P.M. Anandarajah, D.A. Reid, L.P. Barry</i>	
All-optical Chromatic Dispersion Monitoring and Multiple Access Interference Reduction Via Two-photon Absorption	662
<i>K. Bondarczuk, K.J. Dexter, P.J. Maguire, D.A. Reid, L.P. Barry, J. O'Dowd, W.H. Guo, M. Lynch, A.L. Bradley, J.F. Donegan</i>	
Passively Phase-locked Semiconductor Lasers for Clock Recovery and Terahertz Generation	666
<i>S. Latkowski, F. Surre, P. Landais</i>	
A Theoretical Study of Metallic Rectangular Waveguides in the THz Range	670
<i>E. Degirmenci, F. Surre, P. Landais</i>	
Measurement of the Linewidth Enhancement Factor Using Cassidy's Method in a 370 GHz Self-pulsating Fabry-Perot Laser	673
<i>K. Carney, S. Latkowski, R. Madonado-Basilio, F. Surre, P. Landais</i>	
Semantic Web Composition of Deviation Problem	677
<i>Xin Wang, Huitong Jia, Bohong Zhang</i>	
Unify the Description of Web Services and RDF Data Sources Towards Uniform Data Integration	681
<i>Wenfeng Zhao, Xiangwu Meng, Junliang Chen, Chuanchang Liu</i>	
Research on the Framework of Semantic Based Search Engine	686
<i>Jiapeng Xiu, Bai Wang</i>	
A New Approach to Computing Semantic Distance for Web Services Matching	690
<i>Lei Zhang, Bo Sun</i>	
On Distributed QOS Management for Web Services	695
<i>Fei Li, Fangchun Yang, Sen Su</i>	
A Graph-based Similarity Measurement Algorithm Between Ontology Concepts for Semantic Web Services	700
<i>Wei Chen, Fangchun Yang, Kai Shuang, Sen Su</i>	
Ensuring Consistency of Web Services Transactions	706
<i>Xiaojun Wang</i>	
An Interactive Approach of User Preference Based Semantic Web Service Composition	711
<i>Cai Chen, Fangchun Yang, Kai Shuang, Sen Su</i>	
WSD-L-based ICS Proforma and Generation Method	717
<i>Xiaodong Zhai, Wenjing Li, Yinghui Chen, Yichang Liu, Rui Dong</i>	
Implementation of Calling Plan Competitive Analysis System Based on Outward Information	722
<i>Rui Zeng, Jianhua Hu</i>	
The Construction of Decision-making Tree Model Based on the Customer-losing Analysis	725
<i>Rui Zeng, Jianhua Hu</i>	
Research on Constructing Isolines and Streamlines in Seepage Flow Field	728
<i>Haisheng Li, Qiang Cai, Yuewu Liu, Yi Chen</i>	
Research of Relationship-expression Model in Data Audit	733
<i>Ding Xiao, Yi Chen, Lei Zhang</i>	

Performance of PID Controller Both in Hard and Soft RTOS	738
<i>C.M. Hussain, M. Alam, A.M. Azad</i>	
Fabric Defect Detection Methods Based on Gray-value Statistics	743
<i>Lingmin Zhang, Runping Han, Surong Sun</i>	
Phases Method of Vehicle Model Identification	748
<i>Zhigang Zhang, Li Lu, Ying Ren</i>	
Universal Data Maintenance Subsystem's Design	751
<i>Xiaobin Li, Chen Liu, Zhengqiu Yang</i>	
Face Tracking Based on Skin Color and -- Filter	754
<i>Qi Sun, Yingchun Liu, Yunhua Zhang, Donghe Yang</i>	
An Analytical Model for the Integration of Wireless Mobile Ad Hoc Network and the Internet.....	758
<i>K. Ur Rahman Khan, R.U. Zaman, A. Venugopal Reddy</i>	
A Context-aware Service Provisioning Scheme Based on Service Composition for Mobile Environment	763
<i>Ming Li, Yuhong Li, Wendong Wang, Xiangyang Gong, Canfeng Chen, Jian Ma</i>	
An Efficiency-first Roaming Method for Mobile TV Services	769
<i>Cong Liu, Jianxin Liao, Xiaomin Zhu, Huiyuan Zhang, Ping Ni</i>	
A Distributed Computing Framework for Multimedia Content Analysis	774
<i>Fazhen Zhang, Wei Liang, Heping Li, Shuwu Zhang</i>	
An Improved Rate Control Algorithm for H.264 Encoder.....	777
<i>Dagao Duan, Wenzheng Li, Zhongming Han, Zhongliang Deng, Yansong Cui</i>	
A Novel Network-adaptive Buffering Mechanism for Video Streaming Based on Feedback	781
<i>Yang Deng, Wendong Wang, Qi Chen, Yu Ding, Xiangyang Gong, Xirong Que, Kongqiao Wang, Jian Ma</i>	
Adaptive Social Connectedness in a Multimedia E-learning Environment	787
<i>S. Moebs, J. McManis</i>	
Research on Visual Analysis Technique of Multidimensional Health Data Based on Parallel Coordinates.....	792
<i>Yi Chen, Guilong Tan, Lihua Hou</i>	
A New Parallel Collision Detection Algorithm Based on Mixed BVH and Symmetry Breaking.....	797
<i>Wei Zhao, Ruipu Tan</i>	
A Scalable Behavioural Model for Crowd Simulation.....	802
<i>Chunlin He, He Xiao</i>	
Author Index	