Volume II

	719
Myungjin Cho Cache View Based Top-k Query Processing for Encrypted Data Analysis	725
Interactive Mobile Learning Environment for Processing Computational Science Simulation Task	731
An Optimal Recovery Time Method in Cloud Computing	737
Design of Interaction Coordination in Electric Vehicle Information Service Frameworks Junghoon Lee, Gyung-Leen Park	747
Tag Interference Based Mobile Object Tracking with Passive UHF RFID System Jae Sung Choi, Won Seok Kang, Chang Sik Son, Byung Rak Son, Dong Ha Lee	751
Privacy Protection of Medical Imagery Using Reversible Watermarking Hae-Yeoun Lee, Sunmyeng Kim	759
A Flexible Page Storage Model for Mixed OLAP and OLTP Workloads Kyounghyun Park, Hai Thanh Mai, Miyoung Lee, Hee Sun Won	765
Cooperative Communication Protocol Based on EDCA in IEEE 802.11e WLANs Sunmyeng Kim, Hae-Yeoun Lee	771
Data Processing Framework for Electric Vehicle-Generated Streams Using Hadoop Junghoon Lee, Gyung-Leen Park, Young-In Cho, Hyobin Kim, Yongtae Koh, Min-Jae Kang, Ho-Young Kwak, Sangjoon Lee	777
Efficient Indexing for OLAP Query Processing with MapReduce	783
Exploring Millennial Generation Behavior of Gamification Contents Converging with ICT and Sharing Economy: Hierarchical Clustering Analysis Jae Won Choi, Jae Heon Lee, Ki Youn Kim	789
A Study of Burst Transfer Generation	795



Mitigation of Selfish Carrier-Sense Behavior in Wi-Fi Networks Jaehyuk Choi	803
The Real-Time Monitoring System of Social Big Data for Disaster Management	809
MAST: Multi-Level Associated Sector Translation for NAND Flash Memory-Based Storage System	817
Remote-Launch: Borrowing Secure TCB for Constructing Trustworthy Computing Platform	823
Human Action Recognition Using Product Manifold Theory and Procrustes Shape Analysis	831
Zombie PC Detection and Treatment Model on Software-Defined Network Hyo-Bin Bae, Min-Woo Park, Sung-Hwan Kim, Tai-Myoung Chung	837
Design and Implementation of System for Assets and Insolvency Prediction Applied to Industries Based on AHP and Forensic Readiness Jaechun Kim, Youngjun Son, Mokdong Chung	845
Profiling-Based Energy-Aware Recommendation System for Cloud Platforms	851
Path Information Based Packet Verification for Authentication of SDN Network Manager	861
Detection Methods for Disaster by Lexical Patterns	867
GUI Programming Scheme for Low Storage Usage in Lightweight Computing Environment	875
The Right to be Forgotten: Standard on Deleting the Exposed Personal Information on the Internet	883
Position Estimation of Multiple Light Sources for Augmented Reality Yanhong Liu, Yoon Suk Kwak, Soon Ki Jung	891

A Testing Method for AUTOSAR Software Components Using Virtual Prototyping by Modification of OSEK Operating System	899
A Compensation-Based Cooperative Mechanism to Improve the Performance of IEEE 802.11 WLANs	907
RUDP Design and Implementation Using OPNET Simulation Jun-Ho Huh, Kyungryong Seo	913
Provisioning Virtual Infrastructure to Cloud Service Consumer in Perspective of Brokering VM Placement	921
Method of Graph Node Fusion and Its Application on Bus Information	005
Systems	927
Tracking Model for Abnormal Behavior from Multiple Network CCTV Using the Kalman Filter Yong-Ik Yoon, Jee-Ae Chun	933
Application Authentication and Secure Key Management Scheme Using	
MTM Jin-Hee Han, YongSeong Jeon, Jeongnyeo Kim	941
Energy Saving Mechanism for Web Services	947
Awareness Home Automation System Based on User Behavior through Mobile Sensing Rischan Mafrur, M. Fiqri Muthohar, Gi Hyun Bang, Do Kyeong Lee, Deokjai Choi	953
A Brokering Service Design for Vehicle-To-Grid Electricity Trades Junghoon Lee, Gyung-Leen Park	961
Fractional Frequency Reuse (FFR) Based Overlap Resource Power Control for Interference Mitigation in an LTE-Advanced Network with Device-to-Device Communication	967
Sok Chhorn, Si-o Seo, Seung-Yeon Kim, Kwang-Hyung Lee, Choong-ho Cho	
A Repeated Non-Cooperative Game Theoretic Approach to Energy-Efficiency of Cellular Networks	975

On QoS Provisioning Based on User Mobility Patterns for Proxy Mobile IPv6 Networks
Design of an Android App for Gyeongju Smart Tourism
IO Cost Evaluation of OLAP Query Processing with MapReduce
A Two-Layer Cluster Head Selection Based on Distance in Wireless Sensor Networks
The Dynamic Group Authentication Scheme for P2P Based Mobile Commerce
Stable HPC Cluster Management Scheme through Performance Evaluation
Effects on Mapping the VCPUs to the Physical CPUs in Para-Virtualization
Development of Teaching-Learning Model with Project-Based Learning Using Smart Learning Contents Authoring Tool
Digital Forensic Analysis on Window8 Style UI Instant Messenger Applications
Smart Emergency Rescue System Based on Biometric Authentication 1043 Sangjin Yun, Hyunwoo Jung, Sunghyun Yun
A Study on Diffusion Dynamics of Intelligence-Driven Cloud Solutions in Law Enforcement Authorities
A Structural Synthesis of Information Computer Networks of Automated Control Systems Based on Genetic Algorithms

A Music Recommendation Method with Emotion Recognition Using Ranked Attributes	65
So-Hyun Park, Sun-Young Ihm, Wu-In Jang, Aziz Nasridinov, Young-Ho Park	
Research of Object Recognition and Tracking Based on Feature Matching	71
Test-Sheet Composition Using Genetic Algorithm for Controlling Item Exposure	77
The Implementation of Defect Detector Using Efficient Thresholding Method	85
Evaluation of the Synchronous Mobile Learning System Supporting Tablets for Instructor and Student	93
On Designing an Effective Training Set for Information Extraction 110 Young-Min Kim, Sa-kwang Song, Sungho Shin, Choong-Nyoung Seon, Seunggyun Hong, Hanmin Jung	01
Application of SNS for a Satisfaction Analysis of School Meals	09
Real-Time Vision Based Camera Moving and Displacement Detection Algorithm	17
Prescriptive Analytics for Planning Research-Performance Strategy 112 Minhee Cho, Sa-Kwang Song, Jens Weber, Hanmin Jung, Mikyoung Lee	23
XOnto-Apriori: An Effective Association Rule Mining Algorithm for Personalized Recommendation Systems	31
MapReduce-Based Bulk-Loading Algorithm for Fast Search for Billions of Triples	39
Inspecting Retrieval Engines Based on Term's Weight	47

An Enhanced Signal-Driven PMIPv6 for Distributed Mobility Control 1153 Ki-Sik Kong
Unconstrained Continuous Infants Monitoring System Based on Mattress-Type Force Sensing Platform: A Pilot Study
Preliminary Study for Driver's Posture Correction Support System Based on Seat-Embedded Pressure Sensing Platform
A Congestion Degree Index Based Bandwidth Estimation Method Using Pair Packet Delay
International Research Networking of KRLight Supporting Data-Intensive Science
Design of National Research Network for Strengthening of Supporting an Advanced Research Activities
Deployment Status of Global and Domestic WiFi Roaming Technology in Korea
Analysis on Study Trend and Technical Feature of Software-Defined Networking
Design and Construction of Sinknet for KREONET Attack Detection 1209 <i>Jinoh Cho, Seunghae Kim, Hyunhun Cho, Gihwan Cho</i>
Depth Image Based System for Notifying Human Keeping Appropriate Distance from Screen - Implement
A Framework for Continuous Real-Time Collaborative Editing
A Robust Faint Situation Recognition and Response System Based on Object Tracking Algorithms Using Thermal Camera
Strong Identification and Authentication Using Dynamic Biometric Signature

An Implementation of Automatic Software Testing on Cloud Computing Environment
Chorng-Shiuh Koong, Tzu-I Yang, Chang-Chung Wu
Exchangeable Humanoid Animation Using H-Anim and Motion Capture
Data
Wearable Computing Connecting Gas Sensor to Detector Harmful
Air - Implement
The Non-linear Relationship between Economic and Life Insurance
Development in Asia: A Panel Threshold Regression Analysis
Comparative Study of Singing Voice Detection Methods
A Feature Selection Technique for Hand Gesture Recognition in Music
Display System1299Jun-Yong Lee, Ju-Youn Kim, Jee-Soo Min, Ho-Joon Kim
An Approach for Applying Social Networks Information to Information
Recommendation
Preference Measurement Using User Response Electroencephalogram 1315 Youngrae Kim, Kyuchang Kang, Hyungjik Lee, Changseok Bae
Development of ISMEE: An Information Security Management
Engineering Environment
Usefulness of ISMEE for Supporting Organizations with ISMSs
Novel Key Management for Secure Information of Ubiquitous Healthcare
Domains to APT Attack
A Model for a Physical and Virtual Environment for Extreme Feedback
in the Development of the Metacognition Supported by TICS: The Computer Engineer Career as Case of Study
Predicting New Attacks for Information Security

A Supporting Environment for IT System Security Evaluation Based on ISO/IEC 15408 and ISO/IEC 18045
Cryptanalysis of Advanced Biometric-Based User Authentication Scheme for Wireless Sensor Networks
A MapReduce-Based Algorithm for Nearest Neighbor Search with Keywords
A Method for Distinguishing between Shopper's Intentions: Whether Their Purchase Is "Planned Buying" or "Impulse Buying" Utilizing the Shopper's Behavior Process Model
A New Antenna Selection Algorithm for Indoor Distributed Antenna Systems Environment
An Emotion Assessment Method Based on Supported Vector Data Description
Improved Mean Representation Based Classification for Face Recognition
Functional Considerations in Military-Grade Security Platform Using a Mobile Hypervisor
Author Index