

Table of Contents

Internet of Things and Cloud Computing for Future Internet	1
<i>Kai-Di Chang, Chi-Yuan Chen, Jiann-Liang Chen, and Han-Chieh Chao</i>	
Building Next Generation Massive Data Centers	11
<i>Mounir Hamdi</i>	
Charging Station Advertisement on Digital Multimedia Broadcasting Platform	12
<i>Junghoon Lee, Hye-Jin Kim, and Jason Cho</i>	
Security Encryption Schemes for Internet SCADA: Comparison of the Solutions	19
<i>Roslin John Robles, Maricel O. Balitanas, and Tai-hoon Kim</i>	
Implementation of a Large Data Processing Method for Embedded System and CMOS SNR Application	28
<i>Chien-Hung Chen, Tai-Shan Liao, and Chi-Hung Hwang</i>	
The Design of Ubiquitous Learning System with Computing Context-Aware Function	37
<i>Fu-Chien Kao, Wei-De Li, and Ting-Hao Huang</i>	
Carousel Scheduling of Advertisement Contents on Digital Multimedia Broadcasting	47
<i>Junghoon Lee, Hye-Jin Kim, Jin-hee Ko, and Youngshin Hong</i>	
Achieving k -Anonymity for Associative Classification in Incremental-Data Scenarios	54
<i>Bowonsak Seisungsittisunti and Juggapong Natwichai</i>	
A Petri Net Based Model for Multipoint Multistream Synchronization in Multimedia Conferencing	64
<i>Koninika Pal, Prajna Devi Upadhyay, and Animesh Datta</i>	
Summarizing Association Itemsets by Pattern Interestingness in a Data Stream Environment	74
<i>Guanling Lee, Yu-tang Zhu, and Yi-Chun Chen</i>	
VoIPS: VoIP Secure Encryption VoIP Solution	84
<i>Chiung-Yi Wu, Kuo-Ping Wu, Jason Shih, and Hahn-Ming Lee</i>	

Energy Cost-Effectiveness of Cloud Service Datacenters	94
<i>Cheng-Jen Tang and Miao-Ru Dai</i>	
Solving the Sensitive Itemset Hiding Problem Whilst Minimizing Side Effects on a Sanitized Database	104
<i>Guanling Lee, Yi-Chun Chen, Sheng-Lung Peng, and Jyun-Hao Lin</i>	
Retrofit to CAIN Issues for Critical Infrastructures	114
<i>Maricel O. Balitanas, Rosslin John Robles, and Tai-hoon Kim</i>	
Performance Evaluation of BONET with PCI Express 2.0	125
<i>Hide Nakayama, Kentaro Iwasawa, Chen Chi Wu, and Takuo Fugunaga</i>	
Implementation of Image Watermarking Processes on Cloud Computing Environments	131
<i>Chao-Tung Yang, Chu-Hsing Lin, and Guey-Luen Chang</i>	
Uniform Disjoint Cycle Covers on a Hierarchical Multicomputer System	141
<i>Pao-Lien Lai and Ming-Yi Chiu</i>	
The Performance Impact of Different Master Nodes on Parallel Loop Self-scheduling Schemes for Rule-Based Expert Systems	149
<i>Chao-Chin Wu, Lien-Fu Lai, Liang-Tsung Huang, Chao-Tung Yang, and Chung Lu</i>	
Implementation of a Smart Grid System with SOA-based Service on Cloud	159
<i>Chao-Tung Yang, Chung-Che Lai, Wei-Sheng Chen, Jung-Chun Liu, and William C. Chu</i>	
Gate Opening Effect: Toward Understanding Mobile-Specific Service Evolution	169
<i>Toshihiko Yamakami</i>	
A Mobile Intelligent Blood Pressure Monitor Based on the Android Smartphone	178
<i>Yuan-Hsiang Lin, Zhe-Min Lin, Ya-Ting Hsu, and Hau-Ying Ku</i>	
AdTouch: A 2D-Barcode Mobile Advertising Service System	188
<i>Siriphat Oumtrakul, Natharin Chanuntawaree, and Jerry Gao</i>	
MIMO Relay Selection with Suboptimal Power Allocation Transmission over Cooperative Communication Networks	203
<i>Yi-Sian Wu, Chia-Hung Yeh, Wen-Yu Tseng, Wan-Jen Huang, Min-Kuan Chang, Ruey-Nan Yeh, Chiu-Lan Chu, and Po-Yi Sung</i>	

Agent Based Approach in Accessing Distributed Health Care Services.....	212
<i>Srividya Bhat, Nandini S. Sidnal, and Sunilkumar S. Manvi</i>	
Energy-Saving Information Multi-agent System with Web Services for Cloud Computing	222
<i>Sheng-Yuan Yang, Dong-Liang Lee, Kune-Yao Chen, and Chun-Liang Hsu</i>	
Role-Based Mobile Agent for Group Task Collaboration in Pervasive Environment	234
<i>Chih-Hao Liu and Jason Jen-Yen Chen</i>	
A Cloud Based Information Integration Platform for Smart Cars	241
<i>Yi Xu and Jun Yan</i>	
Paradigm Shift and the State of the Art of LBS in the Advent of Smartphone	251
<i>Gu-Min Jeong, Wan-Sik Choi, Gyu Young Han, Dong-Kwon Suh, and Jong-Yun Yeo</i>	
A Mobile Homecare Application Combining with Alarm Clock and GPS Positioning Function	259
<i>Rung-Shiang Cheng, Chun-Yu Ke, Chung-Ying Tsai, and Chien-Jen Wang</i>	
On Adaptive Multi-channel MAC Protocol for MANETs	269
<i>Chun-Cheng Lin, Yeong-Sheng Chen, and Der-Jiunn Deng</i>	
WiMAX DBA Algorithm Using a 2-Tier Max-Min Fair Sharing Policy	277
<i>Pei-Chen Tseng, Jai-Yan Tsai, and Wen-Shyang Hwang</i>	
High Security Authentication Mechanism for Mobile Networks	287
<i>Ming-Huang Guo, Horng-Twu Liaw, Jui-Kheng Tang, and Chih-Ta Yen</i>	
A Framework of a Recommendation System Utilizing Expert Groups on a Social Network	297
<i>Tzong-Shyan Lin and Chun-Cheng Lin</i>	
Quality-of-Service in Wireless Personal Area Networks	307
<i>Teng-Hui Wang, Ming-Yi Shih, and Der-Jiunn Deng</i>	
Hybrid Service Integration Engineering: Implications from a Game-Story-Combined Mobile Social Game	317
<i>Toshihiko Yamakami</i>	

A Driver's Physiological Monitoring System Based on a Wearable PPG
Sensor and a Smartphone 326
Yuan-Hsiang Lin, Chih-Fong Lin, and He-Zhong You

Rectangular Cartogram Visualization Interface for Social Networks 336
Shun-Yu Jhong, Chun-Cheng Lin, Wan-Yu Liu, and Weidong Huang

Author Index 349