

Table of Contents

A Study on Autonomous Cooperation between Things in Web of Things.....	1
<i>Jaehak Yu, Hyunjoong Kang, Hyo-Chan Bang, MyungNam Bae</i>	
A Study on Data Analysis Process Management System in MapReduce using BPM.....	7
<i>Yoon-Sik Yoo, Jaehak Yu, Hyo-Chan Bang, Cheong Hee Park</i>	
Prediction of LOS based Path-Loss in Urban Wireless Sensor Network Environments	13
<i>Myungnam Bae, Inhwan Lee, Hyochan Bang</i>	
Power Management in a Self-Charging Wireless Sensor Node using Solar Energy	19
<i>Myungnam Bae, Inhwan Lee, Hyochan Bang</i>	
Design of Media measurement and monitoring system based on Internet of Things	25
<i>Hyunjoong Kang, Marie Kim, MyungNam Bae, Hyo-Chan Bang</i>	
Lecture Notes in Computer Science: Light-weight Ontology Reasoning Engine Model Research for Real-time Context-aware based on Smart Phone.....	31
<i>Sukyounng Kim, Gui-Hyun Baek, Gi-Tae Lee</i>	
Lecture Notes in Computer Science: Multi-Word Wrapping Method for Enhanced Performance of Neural Network Algorithm in Big Data Analysis	43
<i>Su-Kyoung Kim, Kee-Hong Ahn, Jin-Woo Lee, Yoon-Sung Jo</i>	
Least Privilege for Database Administrators	50
<i>Mou Shen, Mengdong Chen, Min Li, Lianzhong Liu</i>	
Artificial Bandwidth Extension Based Packet Loss Concealment for CELP- Type Speech Coders	56
<i>Nam In Park, Jin Ah Kang, Hong Kook Kim</i>	
An Architecture of Emotional Recognition based Internal Information Leakage Prevention System.....	60
<i>Jung-ho Eom, Seun-hyun Lee, Junkwon Jung, Min-woo Park, Tai-Myoung Chung</i>	

The Design for the Universal Lift Monitoring and Control System based on Android Framework.....	64
<i>Woon-Yong Kim, SoonGohn Kim</i>	
A Study of Initial Seeds Methods Comparison for K-Means Algorithm.....	68
<i>ShinWon Lee, WonHee Lee</i>	
A Study on the Requirement of Collaboration System for Live Surgery in Hospital.....	72
<i>Jin Kim, Haeng Jin Jang, HeeJun Yoon</i>	
A QoS Adaptation Agent for Smart Festival Management System.....	79
<i>Soongohn Kim, Eunnam Ko</i>	
A Fault Tolerance QoS Agent based on Web Synchronization for Person's Moving Line in Festival Site	82
<i>Eunnam Ko, Soongohn Kim</i>	
A Monitoring Composition Approach for Reliable Embedded Systems.....	85
<i>Beob Kyun Kim, Kwangyong Lee, Sang Yoon Oh, Soon-Gohn Kim</i>	
A Semantic Logic for Decoding Generic Meaning of Nouns for Automatic Text Processing.....	90
<i>Sung Young Lee, Eun Sok Bae</i>	
Construction Plan for Story Theme Park Electronic Map based on Spatial Characteristics.....	95
<i>Hee-soo Choi</i>	
Smart Ecomuseum App Based on Local Cultural Resources	102
<i>Eun Sok Bae, Sung Young Lee</i>	
Korean Popular Movies and Culture Codes.....	108
<i>Jeong-Hee Kim</i>	
Cultural Intelligence and Cultural Diversity.....	112
<i>Jong-Youl Hong</i>	
A Design of Dynamic Database Middleware System for Plant Factory.....	117
<i>Dae-Heon Park, Se-Han Kim</i>	

The Contextual Understanding on the Development of Central Asian Capitals	124
<i>Sangcheol Kim, Sangheon Kim, German Nikolaevich Kim</i>	
The E-book Business in Korea: Its Present Condition and Prospect	135
<i>Jin-Young Kim, Jong Oh Lee</i>	
Development of Support Programs for Immigrants Using Foreign Language-Based Apps	141
<i>Jin-Young Kim, Jae Yeong Lee</i>	
A Semiotic Narratological Approach to the Facilitation of UX and UI Usability.....	147
<i>Dong Uk Im, Hak Ro Yoon, Jong Oh Lee</i>	
Multi-level Byte Index Chunking Approach for File Synchronization	155
<i>Ider Lkhagvasuren, Jung Min So, Jeong Gun Lee, Young Woong Ko</i>	
Object-Oriented Analysis and Design Methodology for Secure Web Applications -focused on Role Based Access Control-	160
<i>Kyung-Soo Joo, Jung-Woong Woo</i>	
A Study on Discrete WALSH Transforms for Digital Control Systems zAnalysis.....	167
<i>Joon-Hoon Park, Ryum-Duck Oh</i>	
SW Quality Assessment Model of SW R&D Project in Medical Device	173
<i>JeongAh Kim, NamSun Kim, JaeHo Kim</i>	
Genetic Design of Independent Input Rule-Based Fuzzy Neural Networks.....	177
<i>Keon-Jun Park, Yong-Kab Kim</i>	
Optimal Design of Nonlinear Fuzzy Model by Means of Independent Fuzzy Scatter Partition.....	183
<i>Keon-Jun Park, Hyung-Kil Kang, Yong-Kab Kim</i>	
An Interpolation Method for Distance Image	189
<i>Gwanggil Jeon, Young-Sup Lee</i>	
A Method to Zoom of Infrared Images	193
<i>Gwanggil Jeon, Young-Sup Lee</i>	

Active Control of Duct Noise using Equalization Method.....	197
<i>Young-Sup Lee, Gwanggil Jeon</i>	
A Simple Falling Recognition Scheme for a Human Body by Using Mobile Devices	201
<i>Younghoon Kim, Sangyub Kim, Dongmin Kang, Hwangsoo Park, Nammoon Kim, Sung Hyun Yang, Youngok Kim</i>	
Feasibility Tests for Visible Light Communication Scheme with Various LEDs	206
<i>Dongsung Kim , Hoyeon Jung, Chungjo Yu, Dongjun Seo, Biao Zhou, Youngok Kim</i>	
Anchorage Deviation Ship Management based on Long Range Sensors.....	211
<i>DaeHee SEO, DoHyeung KIM, ByungGil LEE, JungChan NA, HyunSuk CHO, KabSeung KO, JangMi Baek</i>	