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# Future Generation Information Technology

4th International Conference, FGIT 2012  
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Proceedings



Springer

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# Foreword

Future-generation information technology is an area that attracts many academics and industry professionals. The goal of the FGIT conference 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 this field.

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 acknowledge the great effort of all the Chairs and the members of the Advisory Boards and Program Committees of the above-listed event. Special thanks go to SERSC (Science & Engineering Research Support Society) for supporting this conference.

We are grateful in particular to the following speakers who kindly accepted our invitation and, in this way, helped to meet the objectives of the conference: Zita Maria Almeida do Vale, Hai Jin, Goreti Marreiros, Alfredo Cuzzocrea and Osvaldo Gervasi.

We wish to express our special thanks to Yvette E. Gelogo for helping with the editing of this volume.

December 2012

Chairs of FGIT 2012

# Preface

We would like to welcome you to the proceedings of the 4th International Mega-Conference on Future Generation Information Technology (FGIT 2012), which was held during December 16–19, 2012, at the Korea Woman Training Center, Kangwondo, Korea.

FGIT 2012 provided a chance for academics and industry professionals to discuss recent progress in related areas. We expect that the conference and its publications will be a trigger for further research and technology improvements in this important field. We would like to acknowledge the great effort of all the Chairs and members of the Program Committee.

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.

Once more, we would like to thank all the organizations and individuals who supported this event and helped in the success of FGIT 2012

December 2012

Tai-hoon Kim on behalf of the Volume Editors

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# Table of Contents

Frequency Sharing Method for High Frequency Ocean Surface Radar Using Matched Filtering and Orthogonal Waveforms .....	1
<i>In-Sik Choi, Seung-Jae Lee, Joo-Hwan Lee, and Young-Jun Chong</i>	
Vertical Handover Security in 4G Heterogeneous Networks: Threat Analysis and Open Challenges .....	7
<i>Naïm Qachri, Olivier Markowitch, and Jean-Michel Dricot</i>	
Three-Dimensional Stacked Memory System for Defect Tolerance .....	15
<i>Haegun Seo, Yoonseok Heo, and Taewon Cho</i>	
VCPU Shaping for Supporting Latency Sensitive Workloads .....	25
<i>Byung Ki Kim, Chuck Yoo, and Young Woong Ko</i>	
Architecture for Convergence Mobile Cooperation Service Using Components Integration .....	33
<i>Haeng-Kon Kim</i>	
An Efficient Layer 2 Routing Algorithm in a Dual-ring Bridged Network for Smart Grid .....	44
<i>Seokjoon Hong and Inwhae Joe</i>	
Improving User Throughput with Interleaved-HARQ in OFDM Systems .....	52
<i>Dongwook Kim and Namgi Kim</i>	
A Performance Analysis of RESTful Open API Information System ....	59
<i>Min Choi</i>	
Genetic Algorithm Based Robot Posture .....	65
<i>Dong W. Kim, Jong-Wook Park, and Sung-Wook Park</i>	
A Reliable QoS Model for Festival Constraint Running on MHAP in Festival Site .....	73
<i>Eungham Ko and Soongohn Kim</i>	
An Error Control Agent Running on RCSM for Smart Festival Management System .....	80
<i>Soongohn Kim and Eungham Ko</i>	
The Decomposed K-Nearest Neighbor Algorithm for Imbalanced Text Classification .....	87
<i>Hyung-Seok Kang, Kihyo Nam, and Seong-in Kim</i>	

A Novel Packet Transmission Scheme with Different Periods According to the HSR Ring Direction in Smart Grid . . . . .	95
<i>Seokjoon Hong and Inwhee Joe</i>	
Automated Classification of Galaxies Using Invariant Moments . . . . .	103
<i>Mohamed Abd Elfattah, Mohamed A. Abu ELsoud, Aboul Ella Hassanien, and Tai-hoon Kim</i>	
The Quality Control of Software Reliability Based on Functionality, Reliability and Usability . . . . .	112
<i>Hye-Jung Jung and Suck-Joo Hong</i>	
Topic Map Based Management System for Social Network Service . . . . .	119
<i>HwaYoung Jeong and BongHwa Hong</i>	
Starfish Recognition Using Adaptive Filter . . . . .	127
<i>Jong-Ik Kim, Si-Byung Nam, Sung-Rak Kim, and Do-Hong Jeon</i>	
A Study on the Multi-location Recognition System Based on CCS . . . . .	135
<i>Seongsoo Cho, BongHwa Hong, and Hae-Gili Choi</i>	
Extracting Pilot Preferred Display from Data Transfer and Recording System . . . . .	144
<i>Ki-Il Kim, SeokYoon Kang, and Kyoung Choon Park</i>	
Dynamic Race Detection Techniques for Interrupt-Driven Programs . . . .	148
<i>Guy Martin Tchamgoue, Kyong Hoon Kim, and Yong-Kee Jun</i>	
Dynamic Instrumentation for Nested Fork-join Parallelism in OpenMP Programs . . . . .	154
<i>Ying Meng, Ok-Kyoon Ha, and Yong-Kee Jun</i>	
An Audio Watermarking Algorithm Using Group Quantization of DCT Coefficients . . . . .	159
<i>De Li, Wenji Quan, and JongWeon Kim</i>	
A Study on Optimization Techniques for the Smart Virtual Machine Platform . . . . .	167
<i>YunSik Son and YangSun Lee</i>	
A Real-Time Localization Platform Design in WUSB over WBAN Protocol for Wearable Computer Systems . . . . .	173
<i>Kyeong Hur, Won-Sung Sohn, Jae-Kyung Kim, and YangSun Lee</i>	
A Study on Improved Similarity Measure Algorithm for Text-Based Document . . . . .	181
<i>Ki-Young Lee, Il-Hee Seo, Jeong-Joon Kim, Eun-Young Kang, and Jong-Jin Park</i>	

Design of Order System Using NFC Based Smart Phone . . . . .	188
<i>Myung-Jae Lim, Hyun-Jun Seo, Eun-Ser Lee, and Ki-Young Lee</i>	
Hard Partition-Based Non-Fuzzy Inference System for Nonlinear Process . . . . .	194
<i>Keon-Jun Park, Jun-Myung Lee, and Yong-Kab Kim</i>	
A Study on Location DB Matching of IPS in Specific Area Using LED Lights and Image Sensor . . . . .	202
<i>Jaesang Cha and Seungho Lee</i>	
Implementation Microprocessor Controller for LED Lights Emotional Match Digital Sounds . . . . .	206
<i>Jaesang Cha, Jaekwon Shin, and Junghoon Lee</i>	
Determination of a Pair of Single Stationary Zeros in Cross-Coupled Systems . . . . .	209
<i>Keehong Um, Yong-Soon Im, Gye-Kuk Kim, and Jeong-Jin Kang</i>	
Secure Contents Design and Implement of Smart Home Management System in OISCS . . . . .	216
<i>Minkyu Choi, Goreti Marreiros, Myunggwon Hwang, Zita Vale, and Hoon Ko</i>	
Development of 3D Visibility Analysis Models Implementing NURBS Data . . . . .	224
<i>Choong Sik Kim</i>	
A Multi-set Relational Algebra in View of Universal Query Language . . .	233
<i>Piotr Wiśniewski</i>	
Using Particle Swarm Optimization for Image Regions Annotation . . . .	241
<i>Mohamed Sami, Nashwa El-Bendary, Tai-hoon Kim, and Aboul Ella Hassanien</i>	
On Architecture Warehouses and Software Intelligence . . . . .	251
<i>Robert Dąbrowski</i>	
The Linkup Data Structure for Heterogeneous Data Integration Platform . . . . .	263
<i>Michał Chromiak and Krzysztof Stencel</i>	
Uncertain OLAP over Multidimensional Data Streams: State-of-the-Art Analysis and Research Perspectives . . . . .	275
<i>Alfredo Cuzzocrea</i>	
<b>Author Index . . . . .</b>	<b>283</b>