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Tai-hoon Kim Hojjat Adeli Jianhua Ma
Wai-chi Fang Byeong-Ho Kang
Byungjoo Park Frode Eika Sandnes
Kun Chang Lee (Eds.)

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Volume Editors

Tai-hoon Kim
Hannam University, Daejeon, Korea
E-mail: taihoonn@hannam.ac.kr

Hojjat Adeli
The Ohio State University, Columbus, OH, USA
E-mail: adeli.1@osu.edu

Jianhua Ma
Hosei University, Tokyo, Japan
E-mail: jianhua@hosei.ac.jp

Wai-chi Fang
National Chiao Tung University, Hsinchu, Taiwan, R.O.C.
E-mail: wfang@mail.nctu.edu.tw

Byeong-Ho Kang
University of Tasmania, Hobart, TAS, Australia
E-mail: byeong.kang@utas.edu.au

Byungjoo Park
Hannam University, Daejeon, Korea
E-mail: bjpark@hnu.kr

Frode Eika Sandnes
Oslo University College, Norway
E-mail: frode-eika.sandnes@hioa.no

Kun Chang Lee
Sungkyunkwan University, Seoul, Korea
E-mail: kunchanglee@gmail.com

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Foreword

u- and e-service, science and technology are areas that attract many professionals from academia and industry for research and development. The goal of the UNESST 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 u- and e-service, science and technology.

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

We are grateful in particular to the speakers who kindly accepted our invitation and, in this way, helped to meet the objectives of the conference.

December 2011 Chairs of UNESST 2011

Preface

We would like to welcome you to the proceedings of the 2011 International Conference on u- and e-Service, Science and Technology (UNESST 2011)—the partnering event of the Third International Mega-Conference on Future-Generation Information Technology (FGIT 2011) held during December 8–10, 2011, at Jeju Grand Hotel, Jeju Island, Korea.

UNESST 2011 focused on various aspects of advances in u- and e-service, science and technology. It provided a chance for academic and industry professionals to discuss recent progress in the related areas. We expect that the conference and its publications will be a trigger for further related research and technology improvements in this important subject.

We would like to acknowledge the great effort of the UNESST 2011 Chairs, Committees, International Advisory Board, Special Session Organizers, as well as all the organizations and individuals who supported the idea of publishing this volume of proceedings, including the SERSC and Springer.

We are grateful to the following keynote, plenary and tutorial speakers who kindly accepted our invitation: Hsiao-Hwa Chen (National Cheng Kung University, Taiwan), Hamid R. Arabnia (University of Georgia, USA), Sabah Mohammed (Lakehead University, Canada), Ruay-Shiung Chang (National Dong Hwa University, Taiwan), Lei Li (Hosei University, Japan), Tadashi Dohi (Hiroshima University, Japan), Carlos Ramos (Polytechnic of Porto, Portugal), Marcin Szczuka (The University of Warsaw, Poland), Gerald Schaefer (Loughborough University, UK), Jinan Fiaidhi (Lakehead University, Canada) and Peter L. Stanchev (Kettering University, USA), Shusaku Tsumoto (Shimane University, Japan), Jemal H. Abawajy (Deakin University, Australia).

We would like to express our gratitude to all of the authors and reviewers of submitted papers and to all attendees, for their contributions and participation, and for believing in the need to continue this undertaking in the future.

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December 2011

Tai-hoon Kim
Hojjat Adeli
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Byeong-Ho Kang
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Table of Contents

A Self Evolutionary Rule-Base 1
A.M. Khattak, Z. Pervez, W.A. Khan, S.Y. Lee, and Y.K. Lee

Hybrid Storage Architecture for Networked Digital Signage Systems 10
Youngjin Nam, Soon hwan Jeong, and Young kyun Park

Adoption of Technology Applications in Healthcare: The Influence of Attitude toward Knowledge Sharing on Technology Acceptance in a Hospital 17
Pouyan Esmaeilzadeh, Murali Sambasivan, Naresh Kumar, and Hossein Nezakhati

Generic Evolutionary Framework for Simulating Business Processes 31
Veng-Ian Chan and Yain-Whar Si

Test-Activity Flow Control for SOA Execution Test 42
Youngkon Lee

Business-Rating Based SLA Model for SOA Quality 50
Youngkon Lee

Semi-automatic Test Assertion Transformation Scheme for SOA 58
Youngkon Lee

Idea Sketch of Application Service of e-Business Card and NFC Based on Mobile 66
Sun Kuh Noh, Byung Rae Cha, Dong You Choi, Jung-Jin Park, Guen Sik Kim, and Yoo Kang Ji

Framework of Design Patent Map Systems Based on Dissimilarity from Populace Survey 75
Chao-Chun Chen, Rain Chen, and Ting-Ting Dai

Service Quality Assessment in Provision of Library Services 83
Masitah Ahmad, Jemal Abawajy, and Tai-hoon Kim

An Adaptive IEEE 802.15.4 Data Transmission Scheme for Smart Grid Applications 93
Zhongzhi Che, Jianhua He, Zuoyin Tang, Yi Zhou, and Kai Chen

Modeling Impact of Both Frame Collisions and Frame Corruptions on IEEE 802.15.4 Channel Access for Smart Grid Applications 100
Zhongzhi Che, Jianhua He, Yi Zhou, Zuoyin Tang, and Chao Ma

Training Schedule Management Application Using Various Constraints 106
Orawan Mantrawong and Chantana Chantrapornchai

Data Mining and Web-Based Children Shoe Suggestion System 114
P. Sudta, K. Kanchan, and Chantana Chantrapornchai

Proper Parallel Numerical Integration Method for Magnetic Sounding Equations on Multilayered Earth 122
Banpot Dolwithayakul, Chantana Chantrapornchai, and Suabsakul Yooyeunyong

QoS Guarantee with Adaptive Transmit Power and Message Rate Control for DSRC Vehicle Network Based Road Safety Applications 130
Wenyang Guan, Jianhua He, Lin Bai, Zuoyin Tang, and Yi Zhou

The Influence of Wine Expert's On-Line Ratings on Retail Price of On-Premise Market in Korea 136
YoonJung Nam and Youngsik Kwak

Shipment Timing Support System Modeling for Stored Apples in Korea 144
Youngsik Kwak, Seokil Song, and Yoonsik Kwak

Heuristic for Paper Roll Selection for Corrugation Process Simulation... 153
Chantana Chantrapornchai and T. Sathapanawat

A Spatial Morphology of the English Verb Structure of Simple Sentences Aids Appropriate Cognitive Structures Develop and Offers EFL/ESL Potential as a Mobile App 160
Robert C. Meurant

An Empirical Analysis of the Effects of IT Professionals' Emotional Dissonance on Creativity Revelation Processes and Individual Creativity 168
Seong Wook Chae, Young Wook Seo, and Kun Chang Lee

The Impact of Creative Self-efficacy, IT Support, and Knowledge on Individual Creativity through Absorptive Capacity 177
Young Wook Seo, Seong Wook Chae, and Kun Chang Lee

An Empirical Analysis of Leadership Styles and Their Impact on Creativity: Emphasis on Korean ICT Companies 187
Nam Yong Jo, Dae Sung Lee, and Kun Chang Lee

A Physiological Approach to Creativity under Stress and Non-stress Conditions 197
Dae Sung Lee, Nam Yong Jo, and Kun Chang Lee

The Structure of Individual Creativity Revelation Processes with Task Characteristics and Social Characteristics: An Empirical Analysis Based on IT-Services Participants 207
Do Young Choi, Min Hee Hahn, and Kun Chang Lee

Effects of Social and Emotional Intelligence on the Creative Process and Individual Creativity 217
Min Hee Hahn, Do Young Choi, and Kun Chang Lee

An Management of Digital Contents on Science and Technology 227
Won-Goo Lee, Min-Ho Lee, Kwang-Young Kim, Sung-Ho Shin, Hwa-Mook Yoon, and Won-Kyung Sung

A Categorization and Solution of Metadata Conversion Problem on Research Paper 230
Min-Ho Lee, Hwa-Mook Yoon, Won-Kyung Sung, and Jae-Cheol Ryou

Multi-words Terminology Recognition Using Web Search 233
Sa-Kwang Song, Yun-Soo Choi, Hong-Woo Chun, Chang-Hoo Jeong, Sung-Pil Choi, and Won-Kyung Sung

Disambiguating Author Names Using Automatic Relevance Feedback ... 239
In-Su Kang and Seung-Hoon Na

OntoURIResolver: URI Resolution and Recommendation Service Using LOD 245
Taehong Kim, Pyung Kim, Seungwoo Lee, Hanmin Jung, and Won-Kyung Sung

A Comparison of Classifiers for Detecting Hedges 251
Sin-Jae Kang, In-Su Kang, and Seung-Hoon Na

Application of Trend Detection of Technical Terms to Technology Opportunity Discovery 258
Mi-Nyeong Hwang, Min-Hee Cho, Myung-Gwon Hwang, Mikyoung Lee, and Do-Heon Jeong

Decision-Making Support Service Based on Technology Opportunity Discovery Model 263
Mikyoung Lee, Seungwoo Lee, Jinhyung Kim, Dongmin Seo, Pyung Kim, Hanmin Jung, Jinhee Lee, Taehong Kim, Hee Kwan Koo, and Won-Kyung Sung

Relation Extraction Based on Composite Kernel Combining Pattern Similarity of Predicate-Argument Structure 269
Hong-Woo Chun, Chang-Hoo Jeong, Sa-Kwang Song, Yun-Soo Choi, Sung-Pil Choi, and Won-Kyung Sung

English-to-Korean Cross-Lingual Link Detection for Wikipedia 274
Ralph Marigomen and In-Su Kang

Efficient Finding Relationship between Individuals in a Mass Ontology Database 281
Dongmin Seo, Hee Kwan Koo, Seungwoo Lee, Pyung Kim, Hanmin Jung, and Won-Kyung Sung

Generating Knowledge Map for Acronym-Expansion Recognition 287
Do-Heon Jeong, Myung-Gwon Hwang, and Won-Kyung Sung

Inference Verification for Enhancing Confidence in Semantic Information Service 294
Seungwoo Lee, Mikyoung Lee, Hanmin Jung, and Won-Kyung Sung

Design of TOD Model for Information Analysis and Future Prediction 301
Jinhyung Kim, Seungwoo Lee, Jinhee Lee, Mikyoung Lee, and Hanmin Jung

A the Effects of SCM Activities on Manufacturing Capabilities and Manufacturing Performances 306
Su-Hyun Jung, Sung-Hong Kim, and Sung-Lyong Kang

A Digital Convergence Maturity Model: The Relative Importance of Factors 316
Seung-Jun Yeon and Sung-Hyun Hwang

Examining Consumer Preferences for Mobile Devices to Read Digital Content for the Diffusion of Ubiquitous Learning in Higher Education 324
Hyeongjik Lee, Won Bin Lee, and Soo Cheon Kweon

A Service Quality Model for the Public Information Service 332
Hyun-Woong Jo and Sang-Wook Kim

A Study on the Smartwork Policy for the Productivity in Ageing Advanced Economies 341
Hee-kyung Kong and Kihoon Sung

Erratum

Idea Sketch of Application Service of e-Business Card and NFC Based on Mobile E1
Sun Kuh Noh, Byung Rae Cha, Dong You Choi, Jung-Jin Park, Guen Sik Kim, and Yoo Kang Ji

Author Index 347