

The 2015 World Congress on Information Technology Applications and Services

**"Advanced Mobile, Communications, Security,
Multimedia, Vehicular, Cloud, IoT, and Computing"**

February 24-26, 2015
Jeju, Korea

Organized by

World IT Congress & KIPS SWRG



2015 International Conferences
(Sponsored / Technically Sponsored by KIPS / KIPS SWRG)

December 16-18, Bangkok, Thailand

- The 7th International Conference on Computer Science and its Applications (CSA-15)
- The 10th International Conference on Ubiquitous Information Technologies and Applications (CUTE-15)

Sept. 16 - 18, Jeju, Korea

- The 16th International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT-15)
- The 8th International Conference on Human-centric Ubiquitous Computing and Applications (HumanCom 2015)
- The 7th International Conference on Creative Converged IT (CCIT 2015)

July 8-10, Jeju, Korea

International Jeju Joint Conferences 2015

- The 4th International Conference on Ubiquitous Computing Applications and Wireless Sensor Network (UCAWSN-15)
- The 2015 International Conference on Advanced Information Technology and Services (InfoTech 2015)
- The 7th International Conference on Information Technology Convergence and Services (ITCS 2015)
- The 12nd International Conference on Secure and Trust Computing, data management, and Applications (STA 2015)

May 18-20, 2015, Hanoi, Vietnam

- The 10th International Conference on Future Information Technology (FutureTech 2014)
- The 9th International Conference on Multimedia and Ubiquitous Engineering (MUE 2014)
- The 2015 International Conference on advanced Mechanical and Industrial engineering, and Control Systems (MICS-14)

March 24-27, Gwangju, Korea

- The 29th IEEE International Conference on Advanced Information Networking and Applications (AINA 2015)

February 24-26, Jeju, Korea

World IT Congress 2015 – Jeju Korea

- The 5th International Conference on Advanced Intelligent Mobile Computing (AIM 2015)
- The 2015 International Conference on Advanced Computing and Services(ACS 2015)
- The 6th FTRA International Symposium on Advances in Computing, Communications, Security, and Applications (ACSA 2015)
- The 2014 International Workshop on Advanced Multimedia Computing (AMC 2015)

Jan. 13-15, Las Vegas, USA

- The 2015 Global Conference on Information Technology, Computing, and Applications(Global IT 2015) Las Vegas, USA, January 13~15, 2015 <http://www.globalitconf.org/2015>



Message from the World IT Congress 2015 General Chairs

The 2015 World Congress on Information Technology Applications and Services "Advanced Mobile, Communications, Security, Multimedia, Vehicular, Cloud, IoT, and Computing" will be held in Jeju, Korea on Feb 24~26, 2015. The World IT Congress 2015 Jeju is aimed at address key themes on "Advanced Mobile, Communications, Security, Multimedia, Vehicular, Cloud, IoT, and Computing". World IT 2015 will be the most comprehensive conference focused on Information Technology, computing, and applications, and will provide an opportunity for academic and industry professionals to discuss the latest issues and progress in the area of Advances in IT, Applications, and Services (AITA). In addition, the conference will publish high quality papers which are closely related to the various theories and practical applications in advanced IT. Furthermore, we expect that the conference and its publications will be a trigger for further related research and technology improvements in this important subject.

Accepted and presented papers highlight new trends and challenges of Computer Science and its Applications. The presenters showed how new research could lead to novel and innovative applications. We hope you will find these results useful and inspiring for your future research.

We would like to express our sincere thanks to Honorary Chair, Doo-Soon Park (SoonChunHyang University, Korea). Our special thanks go to the Program Chairs, all Program Committee members and all the additional reviewers for their valuable efforts in the review process, which helped us to guarantee the highest quality of the selected papers for the conference.

We cordially thank all the authors for their valuable contributions and the other participants of this conference. The conference would not have been possible without their support. Thanks are also due to the many experts who contributed to making the event a success.

World IT Congress 2015
General Chairs

Hwa Young Jeong, Kyung Hee University, Korea
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Message from the World IT Congress 2015 Program Chairs

Welcome to the 2015 World Congress on Information Technology Applications and Services "Advanced Mobile, Communications, Security, Multimedia, Vehicular, Cloud, IoT, and Computing" which will be held in Jeju, Korea on Feb 24~26, 2015. This congress will be the most comprehensive conference focused on the various aspects of Advances in IT, Applications, and Services (AITA).

The World IT 2015 provides an opportunity for academic and industry professionals to discuss the latest issues and progress in the area of Computer Science. In addition, the conference contains high quality papers which are closely related to the various theories and practical applications in Computer Science. Furthermore, we expect that the conference and its publications will be a trigger for further related research and technology improvements in this important subject. The World IT 2015 contains high quality research papers submitted by researchers from all over the world. Each submitted paper was peer-reviewed by reviewers who are experts in the subject area of the paper. Based on the review results, the Program Committee accepted papers.

For organizing an International Conference, the support and help of many people is needed. First, we would like to thank all authors for submitting their papers. We also appreciate the support from program committee members and reviewers who carried out the most difficult work of carefully evaluating the submitted papers.

We would like to give my special thanks to Doo-Soon Park (SoonChunHyang University, Korea), the Honorary Chair of World IT for their strong encouragement and guidance to organize the conference. We would like to thank World IT 2015 General Chairs for their advices to make possible organization of The World IT 2015. We would like to express special thanks to execute members for their timely unlimited support.

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Invited Speaker



Towards 5G Mobile Communication Technology

Prof. Han-Chieh Chao

President
National Ilan University, Taiwan

Affiliation

- Department of Computer Science and Information Engineering and the Department of Electronic Engineering, National Ilan University, I-Lan, Taiwan
- Department of Electrical Engineering, National Dong Hwa University, Halien, Taiwan
- College of Information Engineering, Yangzhou University, Jiangsu, China
- School of Information Science and Engineering, Fujian University of Technology, Fujian, China

Abstract

The third generation (3G) and fourth generation (4G) of mobile phone mobile communication technology have been widely used and launched in the world. Since the infrastructures like Base Stations (BS) and Evolved Node B (eNBs) are deployed everywhere, efficiency is a vital issue for the fifth generation (5G). However, 5G mobile communication is still just being set up. Some technologies and research issues are announced and investigated. This keynote speech introduces the expectative performance goals of 5G. Then, some potential technologies for 5G cellular mobile communications are discussed, such as Millimeter Wave Communication (mmWave), Non-orthogonal Multiple Access (NOMA), Massive MIMO, Cloud Radio Access Network (C-RAN), Heterogeneous Network (HetNet), and so on. Finally, some tentative 5G scenarios are introduced. Our blueprint for HetNet in 5G is also given, such as Cloud Media on Named Data Network Platform over 5G Mobile Communication, and Software-Defined Wireless Bacteria-Inspired Network over 5G Mobile Communication.

Biography

Dr. Han-Chieh Chao is a joint appointed Full Professor of the Department of Computer Science & Information Engineering and Electronic Engineering of National Ilan University, I-Lan, Taiwan (NIU). He is serving as the President since August 2010 for NIU as well. He was the Director of the Computer Center for Ministry of Education Taiwan from September 2008 to July 2010. His research interests include High Speed Networks, Wireless Networks, IPv6 based Networks, Digital Creative Arts, e-Government and Digital Divide. He received his MS and Ph.D. degrees in Electrical Engineering from Purdue University in 1989 and 1993 respectively. He has authored or co-authored 4 books and has published about 400 refereed professional research papers. He has completed more than 100 MSEE thesis students and 4 PhD students. Dr. Chao has been invited frequently to give talks at national and international conferences and research organizations. Dr. Chao is the Editor-in-Chief for IET Networks, Journal of Internet Technology, International Journal of Internet Protocol Technology, and International Journal of Ad Hoc and Ubiquitous Computing. Dr. Chao has served as the guest editors for Mobile Networking and Applications (ACM MONET), IEEE JSAC, IEEE Communications Magazine, IEEE Systems Journal, Computer Communications, IEE Proceedings Communications, the Computer Journal, Telecommunication Systems, Wireless Personal Communications, and Wireless Communications & Mobile Computing. Dr. Chao is an IEEE senior member and a Fellow of IET (IEE).

PROGRAM SCHEDULE FOR WORLD IT CONGRESS 2015

Day 1, Feb. 24, 2015		
Time	Min	HALL -A
09:00-12:00	240	Local Arrangement Committee Meeting
13:00-15:00	120	Organizing Committee Meeting I
16:00-17:00	60	Executive Meeting I - Organized by World IT 2015

[ONLY FOR INVITED MEMBERS]

Day 2, Feb. 25, 2015				
Time	Min	HALL -A	HALL B	HALL C
08:40-09:00	20	Registration		
09:00-10:30	90	Session A-1 Chair : Jeon JaeWook	Session B-1 Chair : Neil Yen	Session C-1 Chair : Yu-Wei Chan
10:30-10:40	10	Coffee Break		
10:40-12:10	90	Session A-2 Chair : Deok Gyu Lee	Session B-2 Chair : Kwang-il Hwang	Session C-2 Chair : In-Soo Koo
12:10-13:30	80	Lunch		
13:30-14:30	60	Keynote Speech “Towards 5G Mobile Communication Technology” Prof. Han-Chieh Chao President at National Ilan University, Taiwan		
14:30-14:40	10	Coffee Break		
14:40-16:10	90	Session A-3 Chair : Ryu Yeonseung	Session B-3 Chair : Kwang-il Hwang	Session C-3 Chair : Hanmin Jung
16:10-16:20	10	Coffee Break		
16:20-18:00	100	Session A-4 Chair : Jason C. Hung	Session B-4 Chair : Kyeong-Ri Ko	Session C-4 Chair : Jung Yuchae
19:00-21:00	110	Banquet (HALL B)		

Day 3, Feb. 26, 2015		
Time	Min	HALL -A
09:00-12:00	240	Organizing Committee Meeting II
13:00-15:00	120	Executive Meeting II - Organized by World IT 2015
16:00-17:00	60	Organizing Committee Meeting III

[ONLY FOR INVITED MEMBERS]

1. A paper presentation should be made by one of authors of the paper for 20 minute (15 minutes for the presentation itself and 5 minutes for Q/A).
2. All speakers of each session should meet the session chair at their room 10 minutes before the session begins.
3. Windows 7 laptops running the Adobe Reader and Microsoft Office for paper presentations will be prepared. Please prepare for your presentation.

**DETAILED SCHEDULE FOR
THE 2015 WORLD CONGRESS ON
INFORMATION TECHNOLOGY, APPLICATIONS
AND SERVICES**

(WORLD IT CONGRESS 2015)

Day 1, Feb. 24, 2015 (Tuesday)

- 09:00-12:00 Local Arrangement Committee Meeting
- 13:00-15:00 Organizing Committee Meeting I
- 16:00-17:00 Executive Meeting I - Organized by World IT 2015

Day 2, Feb. 25, 2015 (Wednesday)

08:40-09:00 Registration

**09:00-10:30 Session A-1 ACS
(HALL A)
(Chair: Jeon JaeWook)**

- 1. Energy-aware Deadline-based Scheduling in IaaS Cloud with regard to the Available Memory**
Sohrabi S, Moser I
- 2. Human Action Classification Using Multidimensional Functional Data Analysis Method**
Cho Wanhyun, Park Soonyoung, Kim Sangkyoon
- 3. An EtherCAT Slave Design Using a Parallel Interface Based on ARM Cortex-M3**
Trung Vien Tu, Jin Ho Kim, Kien Minh Le, Do Eon Lee, and Jae Wook Jeon
- 4. MODELING FOR SMART SUPPLY CHAIN: Interoperability, Visibility, and Sustainability**
Kyeongrim Ahn, Sangwon Lim, Younggyo Lee
- 5. IEEE 802.1AS Time Synchronization Performance based on Ethernet AVB**
Kim YongJu, Kim JinHo, Cheon BoMu, Jeon JaeWook
- 6. Design of Multi-Protocol Embedded System for Real-Time Ethernet and Fieldbus**
Kim Tae-Won, Kim JinHo, Lee DoEon, Moon JunYoung, Jeon JaeWook
- 7. Collage Shot: A System for Automatic and Dynamic Creation of Collage as Visual Summary**
Baruah Sumanta, Sudheendra Pavan, Manav Yogesh, Naganur Rajaram

09:00-10:30 Session B-1 AIM



(HALL B)

(Chair: Neil Yen)

- 1. Wireless Power Supply System**
Wang Zhao, Lim Eng Gee, Wang Chenyue, Leach Mark, Man Ka Lok, Park Jong Hyuk, Hsu Hui-Huang
- 2. Unsupervised Perceptron Learning for Bilingual Lexicon Extraction with Synonym Vectors**
Kwon Hongseok, Seo Hyeong-Won, Cheon Minah, Kim Jae-Hoon
- 3. Bilingual Multi-word Expressions Alignment by Constituent-based Similarity Score**
Seo Hyeong-Won, Kwon HongSeok, Cheon Minah, Kim Jae-Hoon
- 4. An Adaptive Routing Mechanism based on Compressive Sensing for Underwater Sensor Networks**
Ishfaq Modassir, Hong Wooyoung, Kim Hyung Seok
- 5. Time Series Bigdata Processing Mechanism of Digital Tachograph on Hadoop**
Lim Yoojin, Choi Eunmi
- 6. Traffic Map Coverage Extension Mechanism with Nearly Real-Time Big Data Processing**
Cho Wonhee, Choi Eunmi
- 7. Impact on the Customer's Psychological Reaction and Continuous Intended use in accordance with Lock-in Strategy of the Smart-Phone/Pads**
Kyungrae Cho, Sunjib Kim, Kiyounng Kim, Doosoon Park

09:00-10:30 Session C-1 ACS, AIM

(HALL C)

(Chair: Yu-Wei Chan)

- 1. Smart Ordering System based on Hand Gesture Recognition**
Yeo Donghyeon, Xi Yulong, Song Wei, Cho Kyungeun, Um Kyhyun
- 2. Building Concept Networks by Formal Concept Analysis**
Kim Han-joon, Hong Ki-joo
- 3. Synthesis and Design of an Optimized 5.2 GHz Microstrip Antenna Using Bio-inspired Genetic Algorithm**
Ezuma Martins, Pyun Jae-Young
- 4. Opportunistic Resource Shifting with Dummy Deallocation**
Cho Seungkwon, Chang Sungcheol, Han Youngnam,
- 5. A Vision-based Hand Haptic Interaction for the Control of a Deformable Virtual Object in AR**
Chun Junchul, Lee Seonho
- 6. Design and Implementation of Smart TV Hybrid Service based on HTML5**
Lee SangYun, Park Sang Taick
- 7. Relations of Perceived Self-Efficacy and Metacognitive Self-Regulation to Social Media Based Instruction in Higher Education in Korea**
Kang Sunwoo, Park Kyeongmo

10:30-10:40 Coffee break

10:40-12:10 Session A-2 ACS



(HALL A)

(Chair: Deok Gyu Lee)

1. **A Network Verification and Monitoring Method for Real-Time Ethernet using CANoe**
Lee DoEon, Kim JinHo, Kim Tae-Won, Moon JunYoung, Jeon JaeWook
2. **Model of CPU-intensive Applications in Cloud Computing**
Peng Junjie, Dai Yongchuan, Rao Yi
3. **A Procedural and Performance Analysis of DoIP through Simulative Assessment**
Moon JunYoung, Kim JinHo, Cheon BoMu, Lee YoungSeo, Kim Tae-Won, Lee DoEon, Jeon JaeWook
4. **A Visual Language for Rapid Prototyping of Real-time Web Game Server**
Yoo Hwan-Soo, Kim Seong-Whan
5. **Efficient RA-Hashed Structure for Approximate Similarity Search**
Zhou TieHua, Wang Ling, Ryu KeunHo
6. **Evaluation of Identification Rate for Simulated Mobile-Phone Recording Based on MPEG-7 Audio Signature Descriptors**
You Shingchern, Lin Yu-Chu
7. **Intrusion Detection in Internet of Things Using Association Rules**
Aziz Nasridinov

10:40-12:10 Session B-2 AIM

(HALL B)

(Chair: Kwang-il Hwang)

1. **The Vision and Application of Next Generation 5G**
Hur Soojung, Park Yongwan
2. **Vertical Segmentation and Geo-registration of Individual Building Images from Wide-baseline Panoramic Image Sequences using a Digital Map Reference**
Kim Hyunki, Han Soonhung
3. **A Novel Approach for Multiple Moving Targets Detection and Noise Reduction**
Islam MdSaiful, Chong Uipil
4. **A novel human behavior recognition framework based on a multi-level assessment model**
Huynh-The Thien, Le Ba-Vui, Lee Sungyoung, Yoon Yongik, Le-Tien Thuong
5. **The GB-Index: A New Indexing Method for Complex Queries in Multimedia Databases**
Cha Guang-Ho
6. **Improving Trust Based Recommender System By Mining User Comments on the Web**
Yang Sheng-Han, Paik Incheon

10:40-12:10 Session C-2 ACSA

(HALL C)

(Chair: In-Soo Koo)

1. **Design of a Function for Tracing the Diffusion of Classified Information for File Operations with a KVM**
Fujii Shota, Yamauchi Toshihiro, Taniguchi Hideo
2. **Light-weight Authentication Scheme for NFC mCoupon Service in IoT Environments**
Park Sung-Wook, Lee Im-Yeong

3. **An Efficient Relay Selection Scheme based on Reinforcement Learning for Cooperative Cognitive Radio Networks**
Rahman MdArifur, Lee Young-Doo, Koo Insoo
4. **A Simple User-classification Scheme for Cooperative Spectrum Sensing for Cognitive Radios**
Muhammad Usman, Insoo Koo
5. **Transmit Power Optimization for Cognitive Radio User with Battery Leakage**
Tuan Pham-Viet, Koo Insoo
6. **Host behavior characteristic description method against APT attack detection**
Moon Daesung
7. **AMI design and TestBed using Intelligent Agents on the PLC Network**
Huh Jun-Ho
8. **Sensor Scheduling-based Throughput Maximization for Cognitive Radio Networks**
Thanh-Tung Nguyen, Insoo Koo

12:10-13:30 **Lunch break**

13:30-14:30 **Keynote Speech**

(HALL A)

(Chair: Gangman Yi)

“ Towards 5G Mobile Communication Technology ”

Prof. Han-Chieh Chao

President

National Ilan University, Taiwan

14:30-14:40 **Coffee break**

14:40-16:10 **Session A-3 ACS**

(HALL A)

(Chair: Ryu Yeonseung)

1. **Depth Skeleton based Control of the Virtual Simulator for Military Training**
Lee Soyeon, Park Sangjoon, Chung Kyoil, Cho Chungho
2. **Detection of road direction indicators using MSER and template matching for vehicle black box system**
Kim JongBae
3. **An Efficient scheme for motion estimation in MVC**
Yoon Hyosun, Kim Miyoung
4. **Misbehavior Detection of Android Devices using the Logging System**
Oh Seokho, Ryu Yeonseung
5. **An Auxiliary Log Area for In-Page Logging Scheme**
Van Jaekwang, Jin Rize, Kim Sungsoo, Chung Tea-Sun
6. **Optimal Management of Desktop as a Service based on Cloud Computing**
Kim Dae Won, Moon Jong Bae, Oh Soo Cheol, Kim Seong Woon, Kim Hag Young
7. **Motor Control for hologram display**

Hong sung hee, Yongmin Kim, Jisoo Hong, Hoonjong Kang

14:40-16:10 Session B-3 ACS

(HALL B)

(Chair: Kwang-il Hwang)

- 1. Filter versus Wrapper Approaches: Predictor Selection of Medication Adherence in Chronic Diseases**
Kang Bo-Yeong, Lee Jaesung, Kim Dae-Won
- 2. Music Categorization using Incomplete Social Tags**
Lee Jaesung, Kim Dae-Won
- 3. A Design of Federated SPARQL Engine for Temporal Query Processing**
Ahn Jinhyun, Eom Jae-Hong, Nam Sejin, Zong Nansu, Im Dong-Hyuk, Kim Hong-Gee
- 4. An Approach to Common Northbound Interfaces of SDN Controllers using the DDS Middleware**
Cho Sungryung, Chung Sungmoon, Lee Wooyeob, Joe Inwhee, Park Jeman, Lee Soohyung, Kim Wontae
- 5. Advanced Smart Metering Infrastructure based on Multichannel Utilization**
Hwang Kwang-il, Kim Min-sik
- 6. Network Traffic Classification based on Signature Tree**
Choi Jihyeok, Kim Seongwoon, Kim Hakyoung, Kim Sunwook
- 7. Factors Influencing Acceptance of Smart Health Care Services**
Yoo-Jin Moon, Young-Ho Hwang, Kyongho Min

14:40-16:10 Session C-3

(HALL C)

(Chair: Hanmin Jung)

- 1. Author identification framework based on emails and affiliations**
Jangwon Gim
- 2. Patent-centric type classification of mutual relations by extracting concept of Goal and Approach**
Jangwon Gim
- 3. Scalable distributed RDF Store for managing billions of knowledge data**
Jung-Ho Um
- 4. Study on Semantic Complex Event Processing Model for Analyzing Research Activities**
Jung-Ho Um
- 5. Real-time Fidelity Enhancement for Entity Disambiguation**
Taehong Kim
- 6. Data Integration for Efficient Disaster Risk Management Focused on Ocean Atmosphere Climate Information**
Mi-Nyeong Hwang
- 7. Optimizing Sales Big Database Scheme for Building Marketing Strategy**
Seungkyun Hong
- 8. Design of a social network based personal health service for Korean medicine**
Hyunchul Jang, Jinsoon Seo, Sanghyun Kim, Boryung Nam, Sang-Kyun Kim

9. **Wireless Sensor Network Localization Using Bayesian MDS**
Shuo Xu, Lijun Zhu, Hanmin Jung
10. **Development of Multidimensional Analysis System for Bio-pathways**
Dongmin Seo, Min-Ho Lee
11. **DDS Topic Description for Integrating Heterogeneous Data/Events/Services of Internet of Things**
Hyung-Jun Yim, Dongmin Seo, Hanmin Jung, Kyu-Chul Lee
12. **Reliable Semi-automatic Method for Constructing a Named Entity Dictionary from Wikipedia**
Yeongkil Song, Seokwon Jeong, Harksoo Kim
13. **Relation Extraction Method Using One-Class and Multi-Class Classification Rules with Distant Supervision**
Maengsik Choi, HyunGoo Lee, Harksoo Kim
14. **Highway Traffic Accident Prediction Using Classification Analysis Based on MapReduce**
Seong-hun Park, Sung-min Kim, Young-guk Ha
15. **Real-time vision based camera moving and displacement detection algorithm**
HyeokJune Jeong

16:10-16:20 **Coffee break**

16:20-18:20 **Session A-4**
(HALL A)
(Chair: Jason C. Hung)

1. **An Efficient and Shareable ID-Based Encryption with Keyword Search in Cloud Storage**
Lun-Pin Yuan, En-Wu Mu, Chi-Yao Weng, Ray-Lin Tso, Hung-Min Sun
2. **A Study on White Balance Control for Analog Holography**
Byoung-Soo Koh, Seong-Hee Hong
3. **Safe SSO Access Control Method for User Authentication Reinforcement in a Cloud Computing Environment**
Cho min-hee, Do Kyoung-hwa, Jang Eun-Gyeom
4. **Novel biological clustering algorithm for proteins**
Seok Hyeon Han, Gangman Yi
5. **Reducing Memory Controller Transaction Queue Size in Scalable Memory Systems**
Mario Donato Marino, Kuan-Ching Li
6. **SPAC: Special Point Accelerating Classifier for Finger-vein Matching**
Yu-Chun Cheng, Bo-Chao Cheng, Huan Chen, Yao-Chung Fan
7. **Virtual Customer Relationships on Facebook Brand Community and Re-Purchase Intentions**
Ching-Wei Ho, Yu-Bing Wang
8. **Get Something Useful – Ranking Mechanism for e-Learning Resources**
Neil Y. Yen, Jason C. Hung
9. **The Application of Optimal Step-Size Sequence Mechanism for Stochastic Gradient Algorithms Based DS-CDMA Receiver in Multi-path Environments**
Hsuan-Fu Wang, Yu-Wei Chan, Jui-Chi Chang
10. **A new scheme for estimating H.264/AVC-based video sensor network power consumption**
Bambang Sarif, Mahsa Pourazad, Panos Nasiopoulos, Victor Leung
11. **Study on Designing Portfolio-based Grouping for Jigsaw Learning Strategy Using English E-book System**
Ting-Ting Wu, Yueh Min Huang, Jong Hyuk Park

16:20-18:20 Session B-4

(HALL B)

(Chair: Kyeong-Ri Ko)

1. **PLC Monitoring and Protection for SCADA Framework**
AlShemeili Ahmed
2. **Four-Joint Motion Data based Feature Extraction and Classification of Posture**
Kyeong-Ri Ko, Seung-Hoon Chae, Daesung Moon, Chang Ho Seo, Sung Bum Pan
3. **Secure IP camera environment design using a hierarchical group key mechanism**
Jungho Kang, Jong Hyuk Park
4. **Scaling Out Hadoop for Big Data Processing in Trans-Regional Network Environment over ViNe**
Rui Xuhua, Ku Mino, Cho Nayun, Kim Baul, Lim Damsub, Min Dugki
5. **Dynamic Reconfigurable IoT Gateway Framework**
Rakhimov Rustam, Min Dugki
6. **Implementation of Cloth Simulation using OpenCL on Mobile Device**
JaeHong Jeon, Min Hong, SeungHyun Lee
7. **Secure Sensor Information Multicast Transmission Scheme for Integration of IoT and Cloud**
Hyunjoo Kim, Sangkee Suk, Jaesoo Kim, Moon-seog Jun
8. **AER-ULTS: Audio Emotion Recognition-based User location tracking System**
Jae Woong Joo, Won Min Kang, Jong Hyuk Park
9. **Handover Authentication Scheme using Bloom Filter for SMART Highway**
Kim Su-Hyun, Lee Im-Yeong
10. **Design and Implementation of the Base technology for Realtime Smart Metering System using PLC**
Jun-Ho Huh, Dong-Geun Lee, Kyungryoung Seo
11. **Design and Testbed of Graphic-based Server Operation system using Virtualization Technology**
Jun-Ho Huh, Kyungryoung Seo

16:20-18:20 Session C-4 ACS, AIM

(HALL C)

(Chair: Jung Yuchae)

1. **CAN FD-Busload Analysis using the CANoe**
Nguyen QuangVinh, Jeon JaeWook
2. **Performance Analysis of the CAN FD based DeviceNet**
Kim JinHo, Kim Tae-Won, Jeon JaeWook
3. **Design and Implementation of an Open API-based Lifelog Mashup: Wellness System**
Joe Dong-Wan, Park Seok-Cheon
4. **Hybrid passive copy paste forgery detection algorithm**
Ayalneh Dessalegn Atnafu, Kim HyoungJoong, Choi YongSoo
5. **A Mixed Reality Toolkit with Real-time Image Processing Algorithms**
Song Wei, Wu Dong, Xi Yulong, Cho Seungjae, Cho Kyungeun, Um Kyhyun
6. **User Requirements for Mobile Hospital Applications: An Evaluation Grid Approach**

Park Jiwon, Kim Ja-Hee, Park Eunji

7. Wellness Contents Recommendation for Mental and Physical health using EM model

Jung Yuchae, Yoon Yongik

8. Implementation of power off recovery scheme for block mapping FTL

Chung Ji-Hwan, Chung Tae-Sun

9. A Rapid Neighbor Discovery Framework for Cognitive Radio Networks

Mahmud Adil, Lee Young-Doo, Koo In-Soo

19:10-21:00 Banquet [HALL-A]



Day 3, Feb. 26, 2015 (Thursday)

- 09:00-12:00 Organizing Committee Meeting II
- 13:00-15:00 Executive Meeting II - Organized by World IT 2015
- 16:00-17:00 Organizing Committee Meeting III



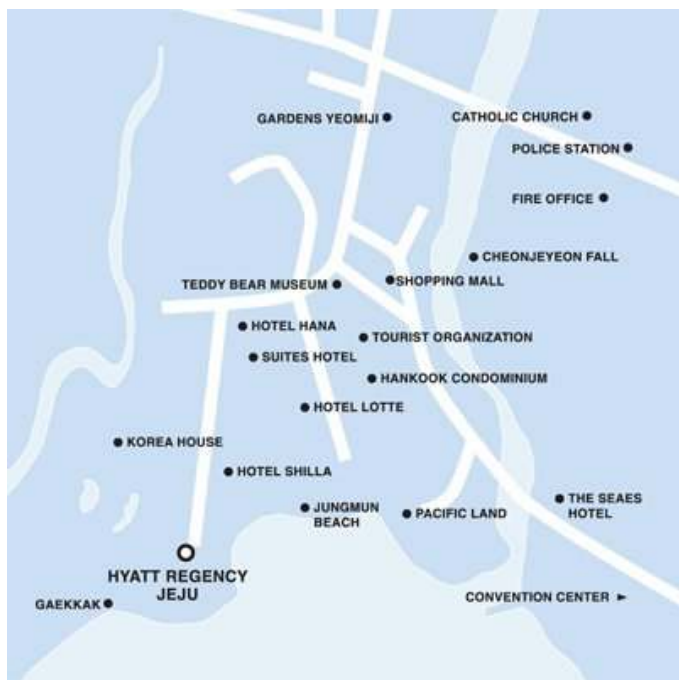
Conference Venue



Hyatt Regency Jeju

114, Jungmungwangwang-ro 72 beon-gil, Seogwipo-si
Jeju Special Self-Governing Province, South Korea, 697-130

Tel: +82 64 733 1234
Fax: +82 64 732 2039
Web: <http://jeju.regency.hyatt.com/>
Email: jeju.regency@hyatt.com



From Jeju International Airport, take Jungmun express road south and follow signs leading to Jungmun. When coming to the intersection with Korea Power Station on the right hand side, turn right and continue on main road until the Cheju island hotel sign is visible. Follow the sign and it will lead you to the Hyatt Regency Jeju hotel.

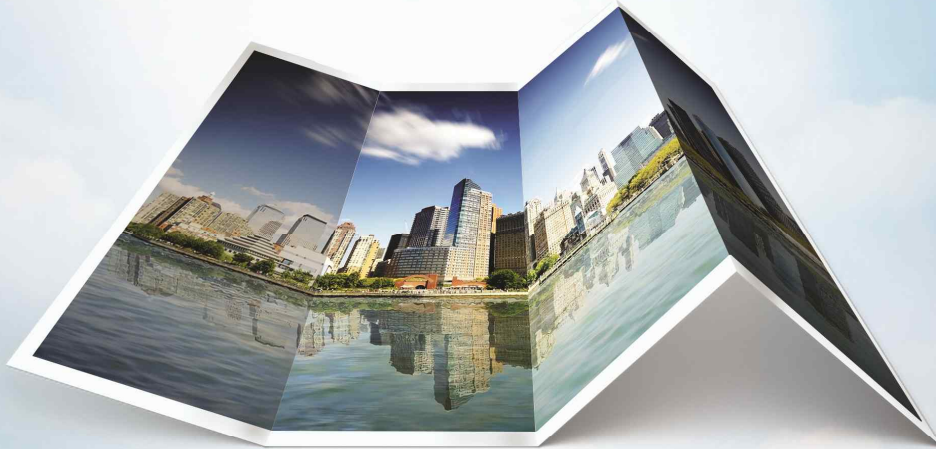
Distances to the hotel:

- Jeju International Airport, approximately 40 minutes by car
- Jungmun Beach, walking distance
- Teddy Bear Museum, walking distance
- Jungmun Golf Club, walking distance
- Chonjeyon Waterfall, walking distance

상상을 펼치면 현실이 됩니다

경봉이 만듭니다

세상을 편리하게 바꾸는 남다른 생각, 오늘의 상상이 곧 내일이 됩니다
누구나 꿈꾸는 사람 · 환경 · 정보통신의 조화로운 삶을 위해
경봉의 노력은 오늘도 계속됩니다



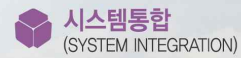
컨설팅
(CONSULTING)




유비쿼터스
(U-TRANSPORTATION)



엔지니어링
(ENGINEERING)



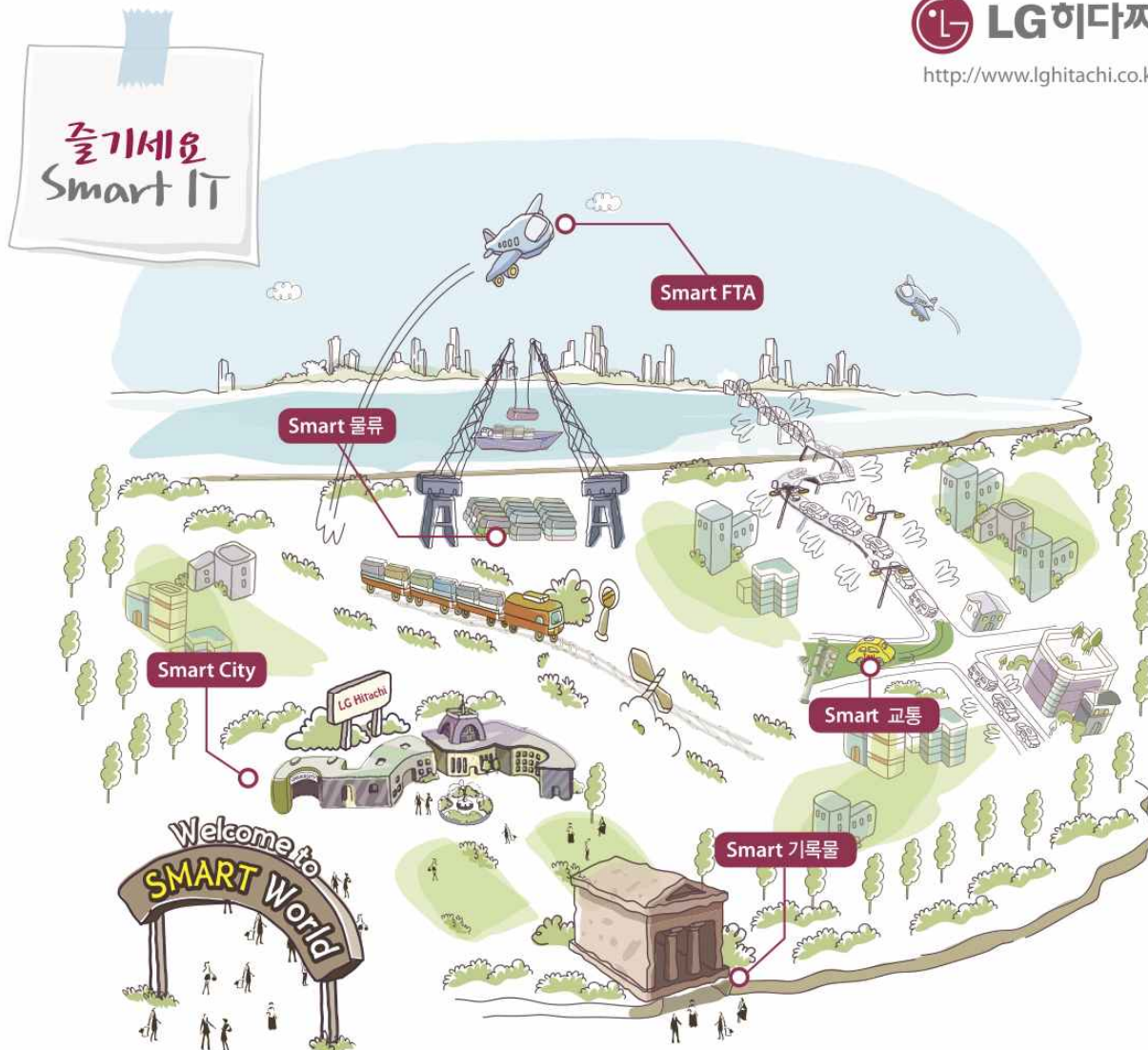
시스템통합
(SYSTEM INTEGRATION)

 경봉그룹 | (주)경봉 (주)경봉시스템즈 (주)경봉이엔지

Headquarters

경기도 안양시 동안구 시민대로 73 경봉빌딩 [431-836]
T 031.388.4800 F 031.388.4827 www.kyungbong.co.kr





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