

## July 10th 2014 *Busan, Korea*

16:00 ~ 20:00

### Committee Meeting for ICCPND 2014 & Welcoming Dinner

Seminar Room

## July 11th 2014 *Busan, Korea*

Registration Open 09:00 ~

09:00 ~ 09:30

### Break with Snacks and Drinks

09:40 ~ 12:00

### Sessions

Main Invited paper & Oral (OA, OB) Hyowon Hall Session Chairs: Prof. Bhanu Shrestha, Taehyun Jeon	Session 1 Oral (OF) Woongbi Hall Session Chairs: Prof. Dongha Shim, Sang-Hyun Lee
Overlapped Decomposition of Convex Shapes for Shape Representation Seon-Jong Kim, Joo-Man Kim, Saeid Belkasim	Performance Analysis of CSMA/CD Based on RS485 for Control Network System Min Ki Kim, Dong Chan Park, Suk Chan Kim
Enhanced Education in Developing Countries by Using Intranet Technology That Provides Open Educational Resources. A Mirror To Open Courseware Consortium Carlos Nkuba	Next-generation Media Platform for Terrestrial Ultra-High Definition(UHD) Broadcasting Service Jai-Pil Oh, Dong Ho Kim
Effect Analysis of Probability Estimation on the performance in Proposed Spatial Method Yan-Sheng Zhang, Kwanhyeong Lee	Frequency Spectrum Allocation for Ultra-High Definition(UHD) Broadcasting Service Jai-Pil Oh, Dong Ho Kim
Reliable Operations and Management Scheme for SDN Failover Dongkyun Kim, Byung-Yeon Park, Min-Ki Noh, Jin-Soo Ahn	A Wide-angle Wireless Camera Package using Ultra Wide Band Communication Dongha Shim, Junwoo Kim, Minwoo Lee, Hyung-O Kim, Seung-Chul Hong, Jason Lee, Jaesang Cha
Properties of Sounds used for the purpose of Brainwave Synchronization Doo-Heon Kyon, Jeong-Hee Lee, Myung-Jin Bae	Implementation of 162° Lens for the tip module of endoscope Jae sun lee, Seung chul hong
Study on the Evaluation of Presence for UHD Image HoeKyung Jung, ChangHee Oh	Diversity Combining Techniques in MIMO VLC System Nirzhar Saha, Yeong Min Jang
Real-Time Multipath Routing Protocol for Border Surveillance Hyunchul Kim, Sunshin An	Blank Space Directing for Exhibition using Illuminant Object EuiHyun Yun, EunJa Koo, JungWon Choi, Jaesang Cha
Software-based Security Management platform designed removable storage device Hun Jung	Statistical Location Estimation in Container-Grown Seedlings Based on Wireless Sensor Networks Sang-Hyun Lee, Seung-ki Jung, Yon-Hee Cho, Kyung-Il Moon

Development of OBD-II protocols and Implementation of fault diagnosis system in Industrial CRDI Engine	Wireless Sensor TOA Localization in PA Monitoring System
Sungjin Jang, Hwaseon Kim, Jongwook Jang, Noriyuki Iwane	Sang-Hyun Lee, Yon-Hee Cho, Jeong-Rok Yun, Kyung-II Moon
Experimental Analysis for Data Clustering	Developing multi-formatted data indexing method in big data platform
Yong Gyu Jung, Min-Soo Kang, Laurentius Dollein, Young-Jin Choi	Wooyung Lee, Jeong-Jin Kang

12:00 ~ 13:00	Lunch Time (Restaurant, 1st Floor)
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13:00 ~ 14:00	Poster (Hyowon Hall)
	Session Chairs: Professor Jeong-lae Kim, Jong-Jin Park, Seon-Jong Kim, Jeong-Joon Kim, Ki-Young Lee
	PA (Contents)
	Telebiometric Authentication Scheme in Mobile Device Yong-Nyuo Shin, Dong-Kyun Lim, Jae-Sung Kim
	A Study on the Development of a Microprocessor e-Learning Contents using AVR simulator Dong Kyun Lim, Jae Yeon Choi
	Media Data Management Protocol using Attribute Based Encryption Jeongmin Do, Youjin Song

13:00 ~ 14:00	PB (Platform)
	Implementation of the Body comparison System: F-B Jeong-lae Kim, Kyu-sung Hwang, Yong-seok Nam
	Study of the posture valuation condition Jeong-lae Kim, Kyu-dong Kim
	A Study on the Stress Management Tool using IT Jong-Jin Park, In-Kyoo Park, Gyoo-Seok Choi

13:00 ~ 14:00	PC (Network)
	On Analysis Estimation Signal of Beamspace Steering Vector Kwan Hyeong Lee
	GF(216) based 4 symbol Error correcting system Michat Strzelecki, Hyeong Keon An

13:00 ~ 14:00	PD (Device)
	Analyzing Garbage Collection Performance of Shared Block Association Sector Translation Scheme

	Ilhoon Shin
	A 54 - 862 MHz Ultra-Wideband CMOS Driver Amplifier for TV White-Space Applications
	Woon-Sung Choi, Kyung-Hak Lee, Wan-Sik Kim, Yun-Seong Eo
	RNN NARX Model Based Demand Management for Smart Grid
	Abdul Hanan Abdullah, Sang-Hyun Lee, Kyung-II Moon
	A Modified Quick Reduct Algorithm Based on an Implication in Decision System
	Inkyu Park, Jongjin Park, Gyooseok Choi

13:00 ~ 14:00	PE (System & Convergence)	
	A Study on the SPARQL for the Semantic Web	
	Jeong-Joon Kim, Eun-Young Park, Chae-Yun Kim, Won-II Kim, Jeong-Gon Kim, Ki-Woog Kang, Ki-Young Lee, Mahmoud Tarokh	
	Power Line Channels with Variable Resistor Load	
	Sungeon Kim, Taehyun Jeon, Toshiro Minami	
	Smart Grid Demand Management through RNN NARX Model	
	Sang-Hyun Lee, An-Gyoon Jeon, Kyung-II Moon	
	Spatial Division Multiplexing for High-Speed Railway Channel	
	Seong-guen Park, Jongwoo Lee, Taehyun Jeon	
	A Study on Personal Speech Bandwidth using High Frequency Emphasis in Speech Signal	
	Seong-Geon Bae, Myung-Jin Bae	
	Design of Patch Antenna for Wide Band Communication	
Joosuk Kim, Taehyun Jeon, Edward J. Rothwell		
Optimization of Mobile Instant Messaging for IMS Network		
Jongdeug Kim, Taehyun Jeon		

14:10 ~ 16:00	Sessions	
	Main	Session 1
	Invited paper & Oral (OC, OD, OE)	Oral (OG)
	Hyowon Hall	Woongbi Hall
	Session Chairs: Prof. Surendra Shrestha, Jongwook Jang, Dae Ki Kang	Session Chairs: Prof. Seongsoo Cho, Hyeong Keon An
	Generation of GF(216) elements from GF(24) elements for applying to Digital Signature Lei Liu, Hyeong Keon An	Block Overlap Reduction Based on Motion Estimation Seongsoo Cho, Bhanu Shrestha, Jongsup Lee
Perceptual video quality model for packet delay Wooyeun Kim, Jitae Shin	Cognitive Rehabilitation Training Using Mobile Devices Goreti Marreiros, Bhanu Shrestha, Seongsoo Cho	

Symbol Demapping for Error Correction Coded Channel Jihye Lee, Taehyun Jeon	Intelligence Technology for Development of Electronic Acupuncture YouSik Hong, Seongsoo Cho, Bhanu Shrestha, Young Roak Kim
Design and Implementation of Real-time Automotive Driving Information Management System for Calculating Fair Automotive Maintenance Expenses Minyoung Kim, Jong-Wook Jang, Junaid Ahsenali Chaudhry	Safety Information System Using Intelligence Transportation YouSik Hong, Chun Kwan Park, Seongsoo Cho, Suck-Joo Hong
Development of the EDR system Sung Hyun Baek, Jong-Wook Jang	Differential Geometry for Nonlinear Time-varying Control Jong-Yong Lee, Kye-dong Jung, Seongsoo Cho
Synchronization for Time Slot Based Sensor Network Nguyen Quoc Kien, Taehyun Jeon	Process Algebra for SaaS Reuse Technique of Software Chigon Hwang, Hyoyoung Shin, Jong-Yong Lee, Kye-dong Jung
QoS ANFIS service for intelligent systems Michat Strzelecki, Sang-Hyun Lee, Jeong-Gi Lee, Kyung-Il Moon	Blink Rate Influence on 2D and 3D Images Watching Jung-Ho Kim, Soon Chul Kwon, Kwang Chul Son, Chae Bong Sohn, Seung Hyun Lee
Individually customized exercise management system at a public park Ji-Hoon Park, In-Hwa Hong, Hak-Bae Kim, Beomjin Kim, Jeong-Jin Kang	An Energy Efficient Routing Protocols for Wireless Sensor Networks Surendra Shrestha, Seongsoo Cho, Bhanu Shrestha, Jong-Yong Lee, Suck-Joo Hong
RBF Based Smart Grid Communication Security Sang-Hyun Lee, Heon Jeong, Hong-Lyel Jung, Kyung-Il Moon	Research on Improving Sound Quality of In-ear Microphone Using Two Microphones Chan-Jung Jung, Myung-Jin Bae
Design of WLAN-based Indoor Location Determination Technology Myungsub Lee	A Study on Drinking Judgment Using High Frequency Emphasis in Speech Signal Seong-Geon Bae, Myung-Sook Kim, Myung-Jin Bae
A Systematic Literature Review for Understanding Technologies and Research Trends of Wireless Body Area Networks IlKyu Ha, ByoungChul Ahn	A Study of Sound Contents Development based On Comparative Analysis on Foley Sound to Real Sound of Wave Ik-Soo Ahn, Myung-Sook Kim, Myung-Jin Bae
Intelligent Control of Non Player Characters in Mobile 3D Tower Defense Game Alex Wong Ming Hui, Jared Kow Jen Lun, Kyung-Hwan Cha, Dae-Ki Kang	

16:10 ~ 16:50

**Keynote Speech (Hyowon Hall)**

Session Chair: Professor Bhanu Shrestha

***Exploring Malicious Meter Inspection in Neighborhood Area Smart Grids***

**Prof. Yang Xiao**

Department of Computer Science, University of Alabama

Tuscaloosa, AL 35487-0290 USA

17:00 ~ 17:40

**Welcome Ceremony and Award Ceremony (Hyowon Hall)**

Session Chairs: Professor Jongwook Jang, Joo-Man Kim

Welcoming Remarks : President of IIBC

Welcoming Speech : President of The Pusan National University  
Best Paper Awards

18:00 ~ 21:00

Restaurant (Hyowon Hall, 2nd Floor)

**Welcoming Performance**

**Conference Dinner, Banquet**

Session Chair: Professor Myung Sook Kim, Yong-Gyu Jung, Surendra Shrestha

**July 12th 2014 *Busan, Korea***

Registration Open 09:00 ~

09:00 ~ 09:30

Break with Snacks and Drinks

09:30 ~ 12:00

Invited Paper & Oral (Seminar Room)

Session Chairs: Professor Bhanu Shrestha, Sung-Jai Choi, Gyoo-Seok Choi

Oral (OA, OB, OC, OD, OE)

Comparison of the Health care function by head movement

Ram Bilas Pachori, Jeong-lae Kim

A Study on the Ontology for Semantic Web

Ki-Young Lee, Yun-Hee Lee, Jeong-Joon Kim, Gyoo-Seok Choi, Kyeong-Su Jang, Sung-Jai Choi, Sunjin Oh, Edward J. Rothwell, Jeong-Jin Kang

Development of a Horse Robot Mechanism for Indoor Sports

Wonsik Lee, Youngdae Lee, GeonUk Kang, Jeong-Jin Kang

Health Information System using Wireless Pulse Measuring Instrument

Myung-Jae Lim, Young-Man Kwon, Jeong-Lae Kim, Abdul Hanan Abdullah

A Study on the Spatio-Temporal Access Control System

Daniel Howard, Ki-Young Lee, Aleum Kim, Ye-Eun Jeon, Jeong-Joon Kim, Yong-Soon Im, Gyoo-Seok Choi, Sang-Bong Park, Yun-Sik Lim, Jeong-Jin Kang

A development of sensor nodebased on failsafe

Min-Soo Kang, Kyu Ho Kim, Yong Gyu Jung, Kuroda Hideo

Incremental Halftoning Algorithm by combining Gradient and Threshold method

Young-Man Kwon, Myung-Gwan Kim, Myung-Jae Lim

A Study on the Augmented Reality System

Ki-Young Lee, Kyeong-Sik Park, Sung-Bae Kim, Sun-Jin Oh, Eun-Yeong Kang, Sung-Jai Choi, Rethina Kumar, Jeong-Jin Kang

A Study on the Inference for Semantic Web

Jeong-Joon Kim, Hye-Min Lee, Lee-Jin Lee, Ji-Yun Wang, Min-Seok kim, Ki-Young Lee, Bobby D. Gerardo

12:00 ~ 13:00

Lunch Time (Restaurant, 1st Floor)

13:00 ~ 17:00

Industrial Field & Culture Tour

**July 13th 2014 *Busan, Korea***

The Pusan National University

Seminar Room

09:00 ~ 09:30

Break with Snacks and Drinks

09:30 ~ 12:00

**Committee Meeting for ICCPND 2015**

(Closed Meeting)