

# 30 June 2015. Yanbian, China

Yanbian University of Science & Technology

Registration Open 15:30 ~

16:00~19:30

**Committee Meeting for ICCPND2015 Conference & Dinner**

# 1 July 2015. Yanbian, China

Yanbian University of Science & Technology

Registration Open 09:00 ~

09:00~09:40

Coffee Break with Snacks and Drinks

09:40~12:00

## Sessions

<b>Main Invited &amp; Best Papers Hall 1 Session Chair: Professor Bhanu Shrestha Professor Seongsoo Cho</b>	<b>Session 1 Oral Presentations Hall 2 Session Chairs: Professor Surendra Shrestha Professor Jong-Yong Lee</b>	<b>Session 2 DCIT, GITC, NCC, VSE Hall 3 Session Chair: Professor SangWoon Lee Professor Kye-Dong Jung</b>
Microstrip Bandstop Filter Design with Symmetric Open Stub Bhanu Shrestha, Suck-Joo Hong, Seong Ro Lee	A Brief Overview of Wireless Power Transfer Techniques Dinesh Baniya Kshatri, Surendra Shrestha, Bhanu Shrestha	Performance Improvements of Image Processing Algorithm by Merging the SIMD Kernel with TBB Cheong Ghil Kim , SangWoon Lee
A Study on Evaluating the Lifetime Index in Voltage Deterioration of High-voltage Cables in Operation Keehong Um, Yung-Ha Hwang, Sang-Hun Lee, Kwan-Woo Lee, Jeong-Jin Kang	Facial Expression Detection Method for Risk Situation SungPil Ryu	Feature Detection Using SURF and Perspective Transform for 360° Panoramic Image Jiheer Yang , Jihye Jeon, Gooman Park
Remote vehicle diagnostic application using nomadic smartphones-Cloudlet Architecture Lionel Nkenyereye, jong-wook jang	Integrated Process View of Real Monitoring System for Project Management Jae-Young Choi, Jongpil Jeong, Young-Hwa Cho, Jang-Eui Hong	Handover Scheme for Peer-to-Peer Multimedia Service in a Ship-Area-Network Kwang-hyun Cho, Dongho You, Dong Ho Kim
Classification of Information, Definition and Management of Lifecycle for Utilization of Knowledge based Information Jae-Young Choi, Jongpil Jeong, Young-Hwa Cho, Jang-Eui Hong	The Design of the effective cloud data hub system for group-integration Hyung-Seok Kim, Jong-Yong Lee, Seong Ro Lee, Kye-Dong Jung	High Speed Internet Implementation over CATV Network Yong Seo Park, Jae Kyoung Lee, Jin Ho Lee
On Virtual Layer Based Inter-Domain Handoff Scheme in Mobile Networks Chulhee Cho, Jeong-Jin Kang, Jae-Young Choi, Jongpil Jeong	The DBaaS Hub System for BSN Data Integration in mobile cloud environment Sungbin Park, Seok-Jae Moon, Jong-Yong Lee, Seong Ro Lee, Kye-Dong Jung	The Developed Methods for Acoustic Source Estimation Prabesh Paudel, Min A Jeong, Ickho Song, Seong Ro Lee
Annoyance study about Exposure Time Due to Megaphone Noise	Design of Cloud-based integrated medical information system	Design of Fuzzy Neural Networks Based on Input Variables with Output Weights

Hyung-woo Park, Won-Hee Lee, Bae Myoung Jin	Kwang-Cheol Lee, Chigon Hwang, Jong-Yong Lee, Kye-Dong Jung, Seong Ro Lee	Keonjun Park, Jiseong Kim, Geunchang Hoang, Yongkab Kim
Harmonic Rejected Uniplanar Inverse F Antenna For Wireless Sensor Network Application	Design of the P2P cloud system based MapReduce	LED Emotional Lighting Control Based on Neuro-Fuzzy Network
Tae-Soon Yun, Nak-Bong Sung, Sang-Hyun Lee	Yean-Woo Jung, Jong-Yong Lee, Seong Ro Lee, Kye-Dong Jung	Keonjun Park, Eunyeong Kang, Jonghyeok Jang, Youngin Jo, Yongkab Kim
	The selection method of the cluster head using the sensor node energy efficiency	Layered-TEEN : The Improved Algorithm of The Efficiency Network Lifetime in TEEM
	Yong Min Kim, Kyedong Jung, Seong Ro Lee, Jong-Yong Lee	WooSuk LEE, Kyedong Jung, Seong Ro Lee, Jong-Yong Lee
	Wideband Bandpass Filter for C-band Applications	Artificial Intelligence based Traffic Safety Information System
	Jong-Yong Lee , Seong Ro Lee, Suck-Joo Hong	Seongsoo Cho, Seong Ro Lee
	The Comparison of the Performance the LEACH Algorithm in the Wide Sensor Field	Sub-Periods-Based Spectrum Sensing Scheme for Dynamic Traffic Circumstances
	SeaYoung Park, Kyedong Jung, Seong Ro Lee, Jongsup Lee, Jong-Yong Lee	Keunhong Chae, Seokho Yoon, Seong Ro Lee

12:00~13:20	<b>Lunch Time</b>
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13:30~14:30	<b>Poster (Auditorium D)</b>
	<b>Session Chairs: Professors Jong-Jin Park, Jong-Wook Jang, Bhanu Shrestha</b>
	Evaluation of Color Management Systems for UHD TV with Custom Look Up Tables
	Alaric Hamacher, Sunil Pardeshi, Kwang Chul Son, Seung Hyun Lee, Taeg-keun Whangbo
	An Energy Efficient Emergence Message Broadcasting Scheme on the VANET
	Miryong Park, Sangha Kim, Dongwon Kim
	A Study on how Load Currents and Temperature affects the Lifetime of High-voltage Cables in Operation
	Kwan-Woo Lee, Yung-Ha Hwang, Sang-Hun Lee, Keehong Um, Sung-Jai Choi
	A Design of an English Language Training System Using DCP Training
	Jong-Jin Park, Robert W. Cobb
	Design and Implementation of Context Awareness USN Gateway for Landslide monitoring
	Juderk Park, Jaehong Ryu, Dongwon Kim
	Fuzzy Neural Networks Based on Modified FCM Algorithm for Time Series Data
	Keonjun Park, Jonghyeok Jang, Jiseong Kim, Sunghwan Park, Yongkab Kim
	Implementation of Stereo Target Tracking System
	Junghwan Ko
	Effects of informational properties of product-related word of mouth on related activities: focusing on the on-line market of Korea
	JANGHYUN KIM, YOSHIMOTO KOJI, ILHYUN BAE

Three party Communication Based on Quantum Secret Sharing

Kondwani Makanda, Jun-Cheol Jeon

Electrochemical biosensor systems for detecting agrichemicals and fungal toxins in foods

Chang Young Park, Tae Jung Park

Coexistence between Wireless headset and Wi-Fi in ISM bands

SeungNam Kim, IlKyo Lee

Real-time scheduling for power-saving of mixed tasks with periodic and aperiodic

Joo-Man Kim, Seon-Jong Kim, Hwimin Choi, Jino Seo, Kwangseob Lee

Acoustic Characteristics of Low Frequency Noise Generated by the Wind Power Plant

KyusunHan, Kim Myungsook, Bae Myoung Jin

A Study of a Foley Sound Contents Based on Analysis and Compare of Sound Stepped on Snow

Ik-Soo Ahn, Mung-jin Bae

Acoustic Features of the Forest Sound Inducing Sleep

Kyoung-Su Yeo, Kim Myungsook, Bae Myoung Jin

Applying Valid-frame Deviation to Intoxication Judgment

Won-Hee Lee, Kim Myungsook, Bae Myoung Jin

Research on Modeling of Sound on Mountain

Eun-young Yi, Kim Myungsook, Bae Myoung Jin

Finding GF(216) elements from GF(28) elements using GF(28) ROM table

Hyeong Keon An

Design the circuit of X to the 3rd power in the GF(216) finite field

Sung -Il Seo, Hyeong Keon An

GF(2) code multiplier/divider design using the GF(28) ROM

Hyeong Keon An, Hee Chang Lee

The Influence of Stereopsis Change on Vergence and Accommodation Function after 3D Watching Images

Jung Ho kim, Sung Hwan Park, Soon Chul Kwon, Seung Hyun Lee

A Study on the ITS-based recommended level module system is applied mobile serious games

Hyung-Won Jung, Jang Hyun-Joo, Mi-Ah Jung

Development of Idle Stop and Traffic Control Service using a Traffic Light Operation Database

Jaehong Ryu, Dongwon Kim

Projection Hologram Contents Using Layer Segmentation Based on Auto Tracking

Dong Hyun Kim, Yeong Hu Jeong, Shin Keun Kim, Soon Chul Kwon

A Power-Monitoring Security Module for a Smart Grid

Jeong-Gi Lee, An-Gyoon Jeon, Yan-Sheng Zhang, Sang-Hyun Lee
A study on the effect of internet sports community awareness on loyalty and sports participation
Sun-Mun Park
Adaptive Neuro-Fuzzy System Based Trend Impact Analysis
Sang-Hyun Lee, Yong-Gil Kim, DORJ uLZII orshikh, Kyung-II Moon
Development of e-learning systems for handicapped person's learning
Yeob-Myeong Son, Byeong-Soo Jung, Sang-Hyun Lee
Duplexer Using the Dual-mode Resonator with the Radial-stub
Tae-Soon Yun
Fingerprint Enhancement Based on Angular Bandwidth Allocation Method
Sang-Hyun Lee, Heon Jeong , Hyeong-Sam Park, Noriyuki Iwane, Kyung-II Moon
A Study on Smart Devices based HAM Radio N/W
Soonho Jung, Kiyun Kim, Jaekwon Shin, Taejun Park, Inhyuck Hwang
Development of VLC based IP/App UI for Maritime Monitoring System
Minwoo Lee, Junghoon Lee, Seungyoun Lee, Juphil Cho, Jaekwon Shin, Seungyoun Yang, Saebong Jang, Jaesang Cha

14:30~16:00	Sessions		
	Main Invited & Best Papers Hall 1	Session 1 Oral Presentations Hall 2	Session 2 DCIT, GTC, NCC, VSE Hall 3
	Session Chairs: Professor Seongsoo Cho Professor Bhanu Shrestha	Session Chairs: Professor Jong-Yong Lee Professor Surendra Shrestha	Session Chair: Professor SangWoon Lee Professor Kye-Dong Jung
Evolution of Automatic Ordering System in Retail Market : Analyzing Inventory Data	Camera Control Method for Surveillance System	Performance Analysis of LMS Adaptive Beam forming Algorithms for Smart Antennas	
SiHyun Paik, DeWayne P. Frazier, Isenhoff Mark	SungPil Ryu	Prakash Thapa, Min A Jeong, Ickho Song, Seong Ro Lee	
SPECTRAL ANALYSIS OF RECTANGULAR, HANNING, HAMMING AND KAISER WINDOW FOR DIGITAL FIR FILTER	On Fuzzy Logic Based Handoff Scheme in Vehicular Mobile Networks	Asynchronous Multicast N-screen Services using WiMedia MAC	
Ganesh Gautam , Surendra Shrestha, Jongsup Lee, Bhanu Shrestha	Joonho Kim, Jae-Young Choi, Jongpil Jeong	Kyeong Hur, Min A Jeong, Seong Eun Cheon, Kyeong Ho Kim, Seong Ro Lee	
A Study on Digital Broadcasting Audio Level Measurement	Design of operations and management system for marine transportation facilities	Differentiated Channel Resource Allocation in ECMA-392 Networks	
Sangwoon Lee, Cheong-Ghil Kim, Dae-Seung Park	Hyun-Young Jang, Jong-Wook Jang	Seung Beom Lee, Min A Jeong, Kyeong Woo Park, Seong Ro Lee	
A Study on Digital Modeling for Takagi-Sugeno Fuzzy Systems with Time Delay	Design of a ECDIS-Mobile interworking system	FL-TEEN : The Adaptive Cluster head selection algorithm of TEEN using the Fuzzy Logic	
Jong-Jin Park, Gyoo-Seok Choi, In-Kyoo Park, Jeong-Jin Kang, L. S. Shieh	GyuHyun Kim, JongWook Jang	Young-II Song, Kye-dong Jung, Jong-Yong Lee, Seong Ro Lee	
Non-contact tire surface analysis system development with high- precision laser sensor	HANDLING OF SENSITIVE DATA WITH THE USE OF 3G IN VEHICULAR AD-HOC NETWORKS	The Comparison of Energy Efficiency of the Adaptive-Queuing MAC Superframe Structure and IEE 802.15.4	

Sung-Hyun Baek , jong-wook jang	Manish Mallick, Subarna Shakya, Surendra Shrestha, Jongsup Lee, Bhanu Shrestha	Choel Lee, Kyedong Jung, Seong Ro Lee, Jong-Yong Lee
Acoustic Characteristics of Bird-songs and their Positive Effects on Human Health	A Study on Objective Quantification of Software Artifact Quality Evaluation	Technology of Location-Based Service for Mobile Tourism : An Application of Major Tourist Sports in Seoul
Sun-young Pak, Myung-sook Kim, Myung-jin Bae	Jae-Young Choi, Jongpil Jeong, Young-Hwa Cho, Jang-Eui Hong	Ki-Hwan Ryu, Young-Soo Park
Image Segmentation Based on Fuzzy Clustering Super-Pixel	Enhancement of Authentication Protocol for secure RFID environments	A Study of Accelerating High Efficiency Video Coding on Multi-core CPUs
Sang-Hyun Lee, Heon Jeong, Kyung-Il Moon	Ina Song , Youngseok Lee	SangWoon Lee, Cheong Ghil Kim
	A Resource Management Scheme to Establish the Routing Path for WiMedia Network	Broadband Internet technology with digital CATV network
	Jin-Woo Kim, Hyejin Lee, Seong Ro Lee	Yong Seo Park, Jin Ho Lee, Jae Kyoung Lee
	A Resource Management scheme for the Mesh Topology formation in the Wireless USB Network	Electronic Stimulation Treatment using Intelligence Technology
	Jin-Woo Kim, Min A Jeong, Seong Ro Lee	Seongsoo Cho, Jong-Yong Lee, Seong Ro Lee
	Multi-Channel Algorithm for Preventing Inter-Cluster Interference in WSNs	Implementation of CDS cell based Dimmable LED Facade for maritime lighthouse
	Joon-Ik Kong, Hyeji Jeon, Kyeong Ho Kim, Min A Jeong, Seong Ro Lee	Minwoo Lee, Hongsoon Kim, Kapssoo Kim, Sangwon Ryu, Jintae Kim, Jaesang Cha

16:10~17:00	<b>Keynote Speech (Hall)</b> Session Chair : Professor Bhanu Shrestha
	<i><b>China-Korea Cooperation in Science and Technology for Rural Development</b></i>  Mr. Sang-Mu Lee President / CEO Korea Rural Community Cooperation

17:00~17:40	<b>Welcome Ceremony and Award Ceremony (Hall)</b> Session Chair : Professors Jongpil Jeong, Keehong Um
	Welcoming Remarks : Professor Jeong-Jin Kang & Professor SiHyun Paik, Chairs of ICCPND Welcoming Speech : Professor Heonsu Han, President of Soongsil University Best Paper Awards

18:00~21:00	<b>Banquet</b>
	Welcoming Conference Dinner

# 2 July 2015. Yanbian, China

Yanbian University of Science & Technology

Seminar Room

09:00~09:30	Coffee Break with Snacks and Drinks	
09:30~12:00	<b>Session (Cyber Room)</b>	
	Session Chair : Professors Bhanu Shrestha, Ki-Young Lee, Gyoo-Seok Choi	
	Development of the Low Cost Assistive Listening Device for Elderly People with Bluetooth Audio Link Teawoo Kim, Junyong Song, Hojun Yeom	
	Clinic Decision Support Prototype System for Emergency Perception Myung-Jae Lim, Young Man Kwon, Michat Strzelecki, Dong kun Chung	
	Cognitive Enhancement System based on Human-Device Interaction Myung-Jae Lim, Young Man Kwon, Beomjin Kim, Dong kun Chung	
	A New Threshlodng Algorithm based on Cluster for the Document Image In-Jun Yu, Myung-Gwan Kim, Young-Man Kwon	
	Decision Tree for the Factors that affect the Crowd Funding Dong-Hyun Shim, Young-Man Kwon, Dong-Keun Jung, Myung-Gwan Kim	
	A Contrast Enhancement of the Image by Using K-means and Fuzzy Method Tae-Hyun Ahn, Myung-Jae Lim, Young-Man Kwon	
	A Study on the Measurement System for Review Rating Ki-Young Lee, Jeong-Jin Kang, Kyu-Ho Kim, Sung-Jai Choi, Gyoo-Seok Choi, Yong-Soon Im, Eun-Yeong Kang	
	Variation of dangle wave of effect for the condition on the exercise Jeong-lae Kim, Ram Bilas Pachori, Chul Young Lee	
	A study on the online certificate issuing system from the hospital Min Soo Kang, Yong Gyu Jung, Kyoung Hak Lee	
	Development of fault tolerant sensor node on the M2M Min Soo Kang, Yong Gyu Jung	
	12:00~13:00	Lunch Time
	13:30~17:00	Student Recruiting Interview (Yanbian University of Science & Technology )

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## 3 July 2015. Yanbian, China

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09:30~12:00	Technical Tour I (Yanbian University of Science & Technology) Industrial Field Tour I Culture Tour I
12:00~13:00	Lunch Time
13:00~17:00	Technical Tour II (Yanbian University of Science & Technology) Industrial Field Tour II Culture Tour II

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## 4 July 2015. Yanbian, China

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09:30~11:00	Committee Meeting for Promotion Exchanges and Cooperation among Universities (China & Korea)
11:00~12:00	<b>Committee Meeting for ICCPND2016 Conference (Closed Meeting)</b>