PROGRAM

[Day 1] 7 August (Sunday)

Time	Program
16:00~19:30	**Committee Meeting for IICCC 2016**

[Day 2] 8 August (Monday)

Time	Program
09:30~11:00	**Meeting for MOU**

11:30~	**Registration Open**

12:00~13:00	**Lunch Time**

Time	Program
13:00~14:00	**Poster** **Location: Main Auditorium** Session Chairs: Prof. Tereshchenko Svetlana , Prof. Jeong Lae Kim, Prof. Hyun Kyung Cho
	Performance Investigation of Event-Driven Server-Side for Internet of Things-based Remote Monitoring Applications
	Lionel Nkenyereye, Jong Wook Jang
	Design of Burst mode Transceiver module for Gigabit Ethernet PON System
	JinHyeon Chang
	IoT-Cloud Collaboration System for Secure Internet of Small Things
	Namhi Kang
	Selective Encryption Scheme Based on K-mean Clustering for GIS Vector Map
	Ngoc-Giao Pham, Suk-Hwan Lee, Eung-Joo Lee, Chee-Yong Kim, Ki–Ryong Kwon
	A Secure Health Data Transmission for Remote Healthcare Monitoring System
	Youngho Park, Chul Sur, Kyung-Hyune Rhee
	Development of application process for order and deliver service
	Iseul Kwon, Hyejin Yun, Jeonghyun Lee, Andrew G. Kim, Hyen ki Kim
	A Study on the OTA Circuit Design for Gm-C Active Filter
	Youngmin Kang, Daechul Jung, Byungon Kim, Kwanwoong Kim, Keonjun Park, Ram Bilas Pachori, Yongkab Kim
	Improving the energy efficiency of LEACH using the 2nd Cluster Head
	WooJun Lee, Jong-Yong Lee
	Obtaining optimal number of clusters for the L-SEP
	WooSuk Lee, Jong-Yong Lee
	The data transfer for a moving node in the fixed fields
	Seong Pil Jang, Jong-Yong Lee
	Multi-Objective Context-Adaptive Natural Lighting System
	Sook-Youn Kwon, Jae-Hyun Lim
	Fast Moving Object Detection for a Dynamic Scene Using Optical Flow
	Jeongmok Ha, Sung Yong Jo, Hong Jeong
	A Study on the Data Analysis and Visualization for Price Comparison between Domestic and Overseas Products
	Yeong Hyeon Gu, Seong Joon Yoo, Dongil Han, Sung Wook Baik, Piao Zhegao, Jiang Zhiyan, Yin Helin, Seogbong Jeon

Time	Program
13:00~14:00	Divide-and-Conquer based Ensemble to Spot Emotions in Speech using MFCC and Random Forest
	Abdul Malik Badshah, Jamil Ahmad, Mi Young Lee, Sung Wook Baik
	Adaptive Arbitration between Steering Motions for Realistic Movements of AI Characters
	Sujin Woo, Hwakyung Yu, Seungbin Cho, Kyeonah Yu
	Korean Semantic Role Labeling Using CRFs
	Tae-Ho Park, Jeong-Won Cha
	Wearable Vision-based Gesture Recognition System for Interact with Autostereoscopic 3D Contents
	Gisu Heo, Il-Kwon Jeong, Tae-Woong Yoo
	Learning Sentiment Dictionary using Elastic Net for Polarity Classification of Texts
	Juntae Kim, Seungbum Kim, Sujeong Kwon, Sungchul Park
	Fast Single Image Dehazing Using Median Filter and Fast Guided Filter
	Sung Yong Jo, Jeongmok Ha, Hong Jeong
	A Comparative Study of the Distance Function Based Clustering Method
	Keonjun Park, Youngin Jo, Jiseong Kim, Kwanwoong Kim, Geunchang Hoang, DORJ uLZII orshikh, Yongkab Kim
	ART Therapy using Intelligence
	JeongSook Kim, Chunsik Kim, JeongJin Kang, YouSik Hong
	Study of Animal Waste Management System
	YouSik Hong, JeongSook Kim, MyungGyu Lee, Chunsik Kim, JeongJin Kang
	Genetic Algorithm for Smart Appliances Scheduling Problems
	Shin-Yeu Lin, Peng-Chun Lo
	Alternate Time-Switched Zero Inserting technique for OFDM systems
	Hyeok Koo Jung
	sEMG signal based Human Identification using Hidden Markov Model
	Sangho Kim, Byeong-Hyeon Lee, Jaehwan Ryu, Deok-Hwan Kim
	A Study on the Various Image Expressions and Design Elements of Bitter Melon
	Gokmi Kim, Hyun Ju Kim
	A Design of Location-based Chatting System for Foreigners
	Hee-Wan Kim, Yong Gyu Jung
	The Effect of Good Public Administration on National Success
	Choi ChangHyeon, Park JeongBae
	Video Encryption Using Complemented Maximum-Length Cellular Automata
	Gao-Yong Li, Xiao-Wei Li, Seok-Tae Kim
	Reversible Data Embedding Scheme
	Soo-Mok Jung
	Change in Writing into Teaching Material by Learning Quiz
	Noriyuki Iwane, Makoto Yoshida, Chunming Gao
	Development and Application of the Multi-Stage System
	Sang-won Lee
	Position Control Method of a Two-Wheel Steered Moving Stage
	Daehee Won, Soyeon Kim
	A Case Study on a Successful Smart Work through the Lens of Time Geography and Communication Cube
	Yong-Young Kim, Sangjo Oh, Ka Young Oh, Han-Mo Oh
	Design of mobile encoder for storing and transmitting health signals
	Yonghee Lee, Sunho Kim, Kangwoo Lee, Soonseok Kim, Dongho Kim
	A Study on the Green Ship Technology in the Era of Global Logistics
	Youngtae Park

Time	Program
13:00~14:00	Regenerative Energy Storage for Electric Vehicles Using Super-Capacitors
	Dae-Won Chung, Youngsoo Kim
	Analysis on Correlation of Concentration and EEG
	Byungon Kim, Kwanwoong Kim, Youngin Jo, Jiseong Kim, Keonjun Park, Noriyuki Iwane, Yongkab Kim
	Regional Innovation Policy based on Technopolis Development in Korea
	Cheonbo Park
	DSP Implementation of Voice Boosting Filter for Husky Voice Relief
	Hyun-Tae Kim, Sanghyeop Lee, Jang-Sik Park
	Strategic business considerations into community recycling center
	Inno Kim
	Analyze artistic characteristic based on the 21 century Korea Media art and culture expression
	Hyun Kyung Cho

Time	Program
13:00~17:00	**Invitational Exhibition** **Location: Main Auditorium** Session Chair: Prof. Hyun Kyung Cho
	The Glory of Advent
	Hyun Kyung Cho (Sharon.joe)
	Baroque 2.0 –B001
	Jong Chul Lee
	Illusion
	Min Gu Kang
	My words your words
	Ju Ahn Koh
	Rhythm
	Young Hwa Park
	Season Collection
	Sung Yun Choi
	NETWORK
	Hyun Sook Park
	Pictogram Olympic
	Sung Tae Joe
	The Satirical & Humorous Image of Koreans
	Eun Seok Chang
	Untitled
	Hae Hyun Jung
	Life- come into bloom
	So Youn Shin
	Genesis 3:15
	Eung Do Jo

Time	Oral			
14:00~15:10	**Session A1 (OS-A1)**		**Session B1 (OS-B1)**	
	Session Chair	Prof. Tereshchenko Svetlana Prof. Jeong Lae Kim	Session Chair	Prof. Jong-Wook Jang Prof. Elena Freidkina
	Location	Main Auditorium	Location	Session Room 1
	Intergenerational and intercultural approach in the education for the third age people in Saint Petersburg		Korean Polysemy Word-Sense Disambiguation Using Korean Lexical Semantic Network (UWordMap)	
	Tereshkina Tatiana, Tereshchenko Svetlana		Joon-Choul Shin, Cheol-Young Ock	
	A Fully Anonymous Message Authentication for VANET under Sparse RSUs Environment		Autonomous and Collaborative System Modeling Methodology	
	Wen-Shyong Hsieh, Chih-Hsueh Lin		SungDo Chi, SukHoon Shin	

14:00~15:10	A design of database for the TMS on ships and offshore plants	Weighted Density Based on Fuzzy Model
	Jungwoo Kim, Jooyoung Son	Keonjun Park, Daechul Jung, Jiseong Kim, Byungon Kim, Geunchang Hoang, Yan-Sheng Zhang, Yongkab Kim
	Performance Evaluation of Contention Based LTE and Wi-Fi Network in Unlicensed Band	Glass Reflection noise cancelling of mobile Robot Laser range finder signal for the mixed Environment with Transparent and Non-transparent Obstacles
	Rojeena Bajracharya, Rakesh Shrestha, Sung Won Kim	Jungsoo Park, Jin-Woo Jung
	Buffer based QoE Enhancement Adaptation Algorithm for DASH	A Study on Probability of Hit for Combat Vehicle
	Eungi Hong, Ganzorig Gankhuyag, Yoonsik Choe	Hwan Il Kang, Jae Jeong Pyun, Hyun Soo Kim
	Environmental Adaptive Clustering Algorithm for Energy Efficiency in Wireless Sensor Networks	Deinked Newsprint Recovered Paper for White-Liner Cardboard Production
	Youngbok Cho, Changsu Han, Sangho Lee	Nikolay P. Midukov, Alexander S. Smolin, Victor S. Kurov

15:10~15:30	**Break Time (Break with Snacks and Drinks)**

15:30~17:00	**Oral**			
	Session A2 (OS-A2)		**Session B2 (OS-B2)**	
	Session Chair	Prof. Alekcander Ivanov Prof. Kaleb Han	Session Chair	Prof. Elena Freidkina Prof. Seon Hee Lee
	Location	Main Auditorium	Location	Session Room 1
	Saint-Petersburg in Alena Vasilyeva's painting		Venture investment in Russia: analysis of trends	
	Alevtina Bezgreshnova		Vera Chernova	
	ICT in the process of education		Optical Fiber Daylighting Systems in Different Circumstances Using Non-Imaging Optics	
	Atrushkevich Elena, Khitova Tamara		Ngoc Hai Vu, Seoyong Shin	
	Summarizing and Searching Semistructured Lecture Databases		A feces collection bag for bedridden patients with fecal incontinence	
	Guang-Ho Cha		Sangsoo Park, Hueong Woo Choi, Dae Sung Ryu	
	ICT for Education and Development – Conference Paper Only		Functional model for engineering protection of water bodies in different types of technology-related impact	
	Seokdong Wang		Alexandr Shishkin, Ilya Shishkin, Andrey Epifanov, Marina Epifanova, Aleksandr Kushnerov, Ivan Antonov, Mariia Stroganova	
	Educating Engineers for being teachers in the higher education system		Privacy-preserving Access Control in the IoT Service Platform	
	Victoria Kirillova		Deresa Jang, Jin-Bo Kim, Mi-Sun Kin, Jae-Hyun Lee	
	A Morpho-Syntactic Analysis of the Anti-Superiority Effect in Korean and Japanese		Human-Robots Operability Assessment Framework(HROAF) For the Human-Robots System Design	
	Han-gyoo Khym		Sang Yeong Choi, Woo Sung Park	
	Improving communication as a factor of sustainable development of regions in Russia		A Study on Mobile Application Usage on Major Platforms	
	Margarita Fedorovna Zamyatina, Roman Sergeevich Fesenko		Seongmook Kim, Hyunhee Cha, Michat Strzelecki	
	Some practical approaches to the problem of environmental protection		Innovative approaches to teaching entrepreneurial disciplines in Russia	
	Belousov Vladimir, Ivanov Alexander, Smorodin Sergei		Anna Klunko, Elena Freidkina, Vera Chernova	

15:30~17:00	Kinetics of Kraft Black Liquor Combustion	
	Smorodin Sergei, Belousov Vladimir, Ivanov Alexander	

17:00~17:40	**Keynote Speech: Vice President, Alexander Reife** **Location: Main Auditorium** **(Baltic University of Ecology, Politics and Law)** Session Chair: Prof. Hyun Kyung Cho

17:40~18:10	**Welcome Ceremony & Award Ceremony** **Location: Main Auditorium** Session Chair: Prof. Hyun Kyung Cho, Prof. Kaleb Han

	• Welcoming Remarks: Chairs of IICCC 2016
	 • Welcoming Speech
	   - President, Saint Petersburg State University of Industrial Technologies and Design
	   - Vice President, Baltic University of Ecology, Politics and Law
	 • Best Paper Awards

18:10~20:00	**Welcoming Conference Dinner (Banquet)**

[Day 3] 9 August (Tuesday)

Time	Program
09:00~09:30	**Break with Snacks and Drinks**

09:30~12:00	**Oral & Poster** **Location: Main Auditorium** Session Chairs: Prof. Ki young Lee, Prof. Sung Jai Choi, Prof. Joo-Man Kim, Prof. Jae Sang Cha
	A Study on the Wideband Helical Antenna
	Jeong Jin Kang, Sungjoon Yoon, Jaehun Hong, Naejin Kim
	The DIY-type Fire Detection and Intrusion Security System Study for IoT Smart Home Infra
	Jeong Jin Kang, Young Dae Lee, Yong Cheol Lee, Seok Jin Yun, Beomjin Kim
	Optimal Resource Placement for Supporting the Reliability through Resources Share in Distributed Systems
	Joo-Man Kim, Meen-Jong Kim, Beomjin Kim
	An OT Analysis of Reflexive Binding in English, Chinese and Korean
	Derong Luo
	A Study on the Personal Identification inference for IoT based on Statistics
	Myung Jae Lim, Young Man Kwon, Dong kun Chung, Chun Ho Lim
	The Text localization Method for Extraction by using DWT and Hit-or-Miss Transformation
	Young Man Kwon, Myung Jae Lim, Dong kun Chung, Hwang Woon Moon
	A Study on the Rescue Request System using LBS
	Ki-Young Lee, Dong-Geun Jo, Kyu-Ho Kim, Jeong-Jin Kang, Sung-Jai Choi, Yong-Soon Im, Myeong-Bok Choi, Sung-Ho Hwang, GyooSeok Choi
	Presentation of gangling motion on central body
	Jeong-lae Kim
	A Study on the Situation Recognizing System for Visually Impaired
	Ki-Young Lee, Jeong-In Choi, Sung-Bae Kim, Jeong-Jin Kang, Sung-Jai Choi, Myeong-Bok Choi, Sang-Bong Park, Eun-Young Kang
	Study of wobble motion on the body index
	Jeong-lae Kim, Kyu-ok Shin
	A Study on the Memory Structure Model of the Data Hiding USB
	Joon Taik Lee, Dong Kun Chung, Young Man Kwon, Myung Jae Lim
	Transcutaneous Electrical Nerve Stimulation(TENS) System for Treating Tinnitus based on the ARM Cortex-M4 Microcontroller
	Jaeung Lee, Hojun Yeom

Time	Program
09:30~12:00	EMG-Triggered Electrical Stimulation System in Bruxism Treatment with Adaptive Filter for Suppression of Electrical Artifact
	Hojun Yeom
	A development of functional game for prevention of dementia patient
	Hoe Joong You, Yong Gyu Jung, Min Soo Kang
	Visualization device of Living Organism through soft x-ray
	Ji Young Mun, Kyung Eun Lee, Won Ja Lee, Hwa Shik Youn, Sung Sik Han, Yong Gyu Jung
	Different Effectiveness of Servant Leadership and Transformational Leadership on Follower's Motivation depend on Differences of Individual Needs
	SangWoo Hahm, Hyung Woo Park
	Effect of Perception of Worker about Trade Union on Organizational Performance and the Importance of Positive Relationship between Capital and Labor
	SangWoo Hahm, Hyung Woo Park
	Psychological and Cognitive Approach How Formal and Informal Communication Ways Reduce or Induce Noises through Floor in Apartment: Case of Koran Residents
	Hyung Woo Park, SangWoo Hahm
	The Effect of Charisma Leadership and Voice of on Team Organizational Citizenship Behavior: Mediating Effect of Team Goal Commitment
	SangWoo Hahm, Hyung Woo Park
	The Effect of Personal Characteristics: How Educational and Training Strategy Influence on Stress-is-Enhancing Mindset and Change of Stress Brain Wave?
	SangWoo Hahm, Hyung Woo Park
	The Particular Training Strategies' Positive Influence on the Development of Attitude toward Stress and Brain Wave Differences about Stress Reaction
	SangWoo Hahm, Hyung Woo Park
	Why should Leadership Involve Change? Influences on Members Motivation and Moderating Effect of Future Orientation of Members
	SangWoo Hahm, Hyung Woo Park
	An Annoyance Study on Interior Noise on Town-Bus
	Hyung Woo Park, Sung Han Kim, SangWoo Hahm
	Finding Leadership Parameter of Team Organizational Behavior using the Speech Analysis
	Hyung Woo Park, Sung Han Kim, SangWoo Hahm
	Fast-Pitch Search Algorithm using Hybrid-Domain
	Hyung Woo Park, Myung-Jin Bae
	Performance Analysis of Data Capturing in Cognitive Radio-based Networks
	Thanh-Tung Nguyen, Insoo Koo
	A Study of Practical Music Education in Designated Vocational Training Facilities
	Won Kyoung Moon, Seungyon-Seny Lee
	Implementation of space projection mapping direction
	Haehyun Jung, Dongjo Kim, Hyunggi Kim
	Implementation of the V2X-based Automatic Traffic Signal System
	Jeakon Oh, Hyungjin Kim, JeongJin Kang
	On a Foley Sound Evaluation for the Bird's Song
	Ik-Soo Ahn, Myung-Jin Bae
	On the Variations of Speech Parameters for Chinese Speakers
	Kwang-Bock You, Myung-Jin Bae
	On a Sound Analysis of the Sinkhole on City Road
	Ik-Soo Ahn, Myung-Jin Bae
	On Low Frequency Characteristics of the Korean Traditional House
	Won-Hee Lee, Myung-Sook Kim, Myung-Jin Bae
	A Study of Reliability Parameters Estimation through Phone Speech Signal Analysis
	Hyung Woo Park, Sangmin Lee

Time	Program
09:30~12:00	A study on the Effect of Entrepreneurship Orientation and Market Orientation on Innovation Performance: The Mediating Role of Innovation Capability
	Minje Park, Jongwoo Park, Sangmin Lee
	OOK based VLC Transceiver Design using LED Embedded CMOS Camera
	Vinayagam Mariappan, Seonhee Lee, Jin Yeong Choi, Sangwoon Lee, Jeongjin Kang, Myungsuk Ann, Jaesang Cha
	A Work Management Model for Secure Smart Factory based on Face and Gesture Recognition
	Jungkyu Rho
	Multiuser Access 2D Color Code Transmission with Gold Sequence for LED-ID
	Vinayagam Mariappan, Jaekwon Shin, Heeseok Suh, Jeongjin Kang, Myungsuk Ann, Jaesang Cha
	HIS Color Space based Dynamic Content Control using CAMSHIFT Observer Detection
	Soonho Jung, Vinayagam Mariappan, Daehyun Kim, Dongwoo Lee, Heeseok Suh, Jeongjin Kang, Myungsuk Ann, Jaesang Cha

Time	Program
12:00~13:30	**Lunch Time**

Time	Program
13:30~17:00	**Meeting for MOU** **Student Recruiting Interview (Saint Petersburg State University of Industrial Technologies and Design)**

[Day 4~7] 10~13 August (Wednesday through Saturday)

Time	Program	Remarks
09:30~12:00	**Outside Program (Optional)**	
	• Technical Tour (Saint Petersburg State University of Industrial Technologies and Design) • Industrial Field Tour • Culture Tour	Session Chairs

Time	Program
12:00~13:00	**Lunch Time**

Time	Program	
13:00~17:00	• Technical Tour (Baltic University of Ecology, Politics and Law) • Industrial Field Tour • Culture Tour	Session Chairs

[Day 8] 14 August (Sunday)

Time	Program
09:30~11:00	**Committee Meeting for Promotion Exchanges and Cooperation among Universities (Russia & Korea)**

Time	Program
11:00~12:00	**Committee Meeting for IICCC 2017** **(Closed Meeting)**