

November 24th 2016 at Ara Convention Hall, Jeju National University, Jeju, Korea

Registration Open 10:30 ~

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| 11:00~13:00 | Conference Lunch Faculty Hall Restaurant | | |
| 13:00~13:30 | Coffee Break with Snack | | |
| 13:30~15:30 | Sessions Technical Session 101 Seminar I Room SIP + AIA 2016 (Poster) | Sessions Technical Session 102 Seminar II Room SecTech 2016 (Poster) | Sessions Technical Session 103 Seminar III Room EEC 2016 (Poster) |
| | Session Chair : Dr. Ronnie Caytiles | Session Chair : Dr. Ki Hong Park | Session Chair : Dr. Yang Sun Lee |
| 13:30~13:45 | A Novel Method for Removing Image Staircase Artifacts Zhong Chen, Zhiwei Hou, Yuegang Xing and Xiaobing Chen | Multi-attribute Fuzzy Keyword Retrieval Method for Secure Data Service in Cloud Computing Yunfa Li, MingYi Li and Nannan Xu | Analysis on the Development of Wearable Intelligent Hardware Devices and the Applications on Assist Training System Jinmei Shao |
| | Zooming Method for Higher Resolution Displays Dogeon Kim and Gwanggil Jeon | Research on Network Security Prediction Method Based on Kalman Filtering Fusion Decision Entropy Theory Liang Huang, Xinhao Chen and Xinsheng Lai | A Novel Medical Equipment Maintenance System Design and Implementation Tianlin Wang |
| 13:45~14:00 | Contrast Enhancement Method in Wavelet Domain Younghoon Seo and Gwanggil Jeon | Research on Boomerang Analysis Method Based on Block Cipher Aiwan Fan and Zhaofeng Yang | A Reputation Based Intermediate Message Forwarding Scheme Fuquan Zhang, Mengmeng Shi, Xubing Yang, Xinyi Tan, Xuefeng Qian and Inwhae Joe |
| | Quality Assessment Using Metrics Youngchae Jang and Gwanggil Jeon | Public Key-based Session Key Establishment for Hierarchical Sensor Networks Jiye Kim, Jongho Moon, Jaewook Jung, Donghoon Lee, Youngsook Lee and Dongho Won | Efficient Parallel Multi-Copy Simulation of the Hybrid Atomistic-Continuum Simulation Based on Geometric Coupling Qian Wang, Xin-Hai Xu, Chao Li and Juan Chen |
| 14:00~14:15 | Towards A Fuzzy Description Logic Based Spatial Direction Modeling Approach Hu Luokai, Li Kuan-Ching, Deng Fang, Yan Ke and Liu Limin | Research on Cloud Security Risk Assessment based on Fuzzy Entropy Weight Model Jun Liu and Zuhua Guo | Performance Evaluation of Wind Turbines based on FT-MCLU Multidimensional Clustering Method Jianlou Lou, Hui Cao, Hongtao Li and Jizhe Xiao |
| | Research on Cloud Resource Scheduling Algorithm based on Ant-cycle Model Zhaofeng Yang and Aiwan Fan | Anomaly Monitoring of Power Characteristic of Wind Turbine based on Multi-dimensional Clustering Method Jianlou Lou, Hui Cao, Hongjian Zheng and Jizhe Xiao | Design of Teaching Platform Based on Information Detection System Zhenjing Yao, Lixin Li, Qin Gao and Zhiming Han |
| 14:15~14:30 | Developing a Tree Structures of Fuzzy Controller Chang-Wook Han | Design of Teaching Platform Based on Information Detection System Zhenjing Yao, Lixin Li, Qin Gao and Zhiming Han | Design of Teaching Platform Based on Information Detection System Zhenjing Yao, Lixin Li, Qin Gao and Zhiming Han |
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| 15:30~16:00 | Coffee Break with Cookie | | |
| 16:00~18:00 | Sessions | Sessions | Sessions |
| | Technical Session 201 Seminar I Room ASEA+SecTech 2016 (Oral) | Technical Session 202 Seminar II Room FGCN 2016 (Poster) | Technical Session 203 Seminar III Room FGCN 2016 (Poster) |
| | Session Chair : Dr. Ronnie Caytiles | Session Chair : Dr. Yang Sun Lee | Session Chair : Dr. Ki Hong Park |
| 16:00~16:15 | A Compact Difference Scheme for Solving a Class of Nonlinear Delay Parabolic Equations Feng Jin, Chunhua Li, Yuanfeng Jin, Jin Wang and Sai Ji | The Design and Implementation of Web Acceleration Technology-based Mobile Glasses Shopping Application Do-Hyung Kim, Hyun-Woo Cho, Seok-Jin Yun and Jae-Ho Lee | Research on the Electrical Control System Building Mode based on Particle Swarm Optimization Liqiang Hu |
| | An Alternating Direction Implicit Scheme for Two-dimension Parabolic Equation with Time Delay Dan Tian, Chengmin Hou, Yuanfeng Jin, Jin Wang and Sai Ji | Remote Direct Storage Management for Exa-Scale Storage Dong-Oh Kim, Myung-Hoon Cha and Hong-Yeon Kim | A Monte Carlo Based Localization Algorithm for Wireless Sensor Network Fuquan Zhang, Mengmeng Shi, Xubing Yang, Xinyi Tan, Xiao Ling and Demin Gao |
| 16:30~16:45 | An Alternating Direction Difference Scheme for Solving Four Dimension Reaction Diffusion Equation with Constant Coefficients Siyu Bi, Chengmin Hou, Yuanfeng Jin, Jin Wang and Sai Ji | Effective Processing of Metadata Operations in Large-Scale Distributed File Systems Myung-Hoon Cha, Sang-Min Lee, Hong-Yeon Kim and Young-Kyun Kim | Efficient Topology Design in RFID Networks Po-Jen Chuang and Wei-Ting Tsai |
| | A Graph-based Interpretation for Finding Solution Strategies of Contradiction Problems in the Butterfly Diagram Jung Suk Hyun and Chan Jung Park | An Efficient QoS Guaranteeing Scheme Considering Multiple Paths on OpenFlow Sang-Min Lee, Hong-Yeon Kim and Young-Kyun Kim | Review on Smart City based on Internet of Things Seong-Hoon Lee |
| 17:00~17:15 | Design of Ontology Engine Architecture for L-V-C Integrating System Gap-Jun Son, Yun-Hee Son and Kyu-Chul Lee | Blind Estimation of Block Interleaver Parameters using Statistical Characteristics Jinwoo Jeong, Youngkyun Jeon and Dongweon Yoon | Bit Error Generation for NAND Flash Memory Kijin Kim and Seung-Ho Lim |
| | Threat Modeling for Automotive Security Analysis Zhendong Ma and Christoph Schmittner | Study on Active Smart Training Solutions based on Wireless Context-Aware Technology Seungyong Shin, Oksan Jeong, Seongji Yu, Ronnie D. Caytiles and Byungjoo Park | Using the Technique Teleportation Event in a Virtual Environment Ko, Kihwan and Min, Jeongik |
| 17:30~17:45 | Crime Prevention Using Individual's State Estimation DongHyok Suh and Young-Hwan Oh | | Wireless Sensor Network for Intelligent Supply Chain Management Francis Pol Lim |
| | 17:45~18:00 | | |
| 18:00~20:00 | Conference Dinner Global House Restaurant | | |

November 25th 2016 at Ara Convention Hall, Jeju National University, Jeju, Korea

Registration Open 09:00 ~

| 09:00~09:30 | Coffee Break with Snack | | |
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| 09:30~11:30 | Sessions | Sessions | Sessions |
| | Technical Session 301 Seminar I Room FGCN+SecTech+CCSC 2016 (Poster) | Technical Session 302 Seminar II Room ASEA(CCA) 2016 (Oral) | Technical Session 303 Seminar III Room EEC+SIP+ASEA 2016 (Poster) |
| | Session Chair : Dr. Ronnie Caytiles | Session Chair : Dr. Ok-Kyoon Ha | Session Chair : Dr. Ki Hong Park |
| 09:30~09:45 | Development of Smart Health Travel Platform Utilizing SNS Yaechan Lee, Yonghwan An, Mansung Jung and Hyenki Kim | Employing Blur Effect on Fast Moving Object JuHoLim, ChungJae Lee, Kyong Hoon Kim and Ki-Il Kim | Hydrothermal Synthesis of CoWO ₄ as Active Material for Supercapacitor Electrode Vaibhav Lokhande and Taeksoo Ji |
| 09:45~10:00 | Common Security Requirements for Device Identification System in Internet of Things Daewon Kim, Jeongnyeo Kim and Yongsung Jeon | Flight Analysis Tools for Drone MyungHo So, SeokYoon Kang, Kyong Hoon Kim and Ki-Il Kim | LED Optical Sensor System for the Detection of Water Pollutant Chihoon Kim, Joo Beom Eom and Taeksoo Ji |
| 10:00~10:15 | Analyzing Security Threats of Android-based Mobile Malware Seungyong Yoon, Jeongnyeo Kim and Yongsung Jeon | A New Disaster Risk Management System Ever Enrique Castillo Osorio, SeokYoon Kang, Kyong Hoon Kim and Ki-Il Kim | Optimization of High and Anti-reflective Facet Coating for Near Infrared High Power Laser Diode Seung Jin Lee, Hee Jo An and Taeksoo Ji |
| 10:15~10:30 | Implementation of Malware Detection System Based on Behavioral Sequences Hyunjoo Kim, Jonghyun Kim, and Ikkyun Kim | Development of Technique for Healing Data Races based on Software Transactional Memory Eu-Teum Choi, Kun Su Yoon, Ok-Kyoon Ha and Yong-Kee Jun | Coating of Si Nanowire Array by Flexible Polymer Hee- Jo An, Seung-jin Lee and Taek-soo Ji |
| 10:30~10:45 | Network Intrusion Forensics System based on Collection and Preservation of Attack Evidence Jong-Hyun Kim, Yangseo Choi, Joo-Young Lee, Sunoh Choi, and Ik-kyun Kim | A Dynamic Analysis Tool for Periodic Tasks in Real-time Applications Hyang-Yeon Bae, Ok-Kyoon Ha and Yong-Kee Jun | Recognizing Faces using CNNs Dong-Hyuck Im, Yong-Seok Seo and Wonyoung Yoo |
| 10:45~11:00 | Unconstrained File Transfer Scheme in Unidirectional Security Gateway System Byoung-Koo Kim, Young-Jun Heo, Jung-Chan Na and Tai-Myoung Chung | Monitoring System of Marine Engine using Dynamic ID Priority Allocation based on CAN Hyun Lee and Kun Su Yoon | Regression Analysis-Based Cost Estimation of Simulation Models in Model Cost Database Hae Young Lee, So Jin Lee, Hyung-Jong Kim and SeungHyun Byun |
| 11:00~11:15 | Design of Network File System Cache based on the Distributed Memory Eun-Ji Lim, Shin-Young Ahn, Young-Ho Kim, Gyu-Il Cha and Wan Choi | Empirical Comparison of Filtering Techniques for On-the-fly Data Race Detection in OpenMP Programs Ok-Kyoon Ha and Sung-Phil Heo | |
| 11:15~11:30 | Big Data Service Combination for Efficient Energy Data Analytics Tai-Yeon Ku, Wan-ki Park and Il-Woo Lee | | |

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| 11:30~13:00 | Conference Lunch Faculty Hall Restaurant | | |
| 13:00~15:00 | Sessions | Sessions | Sessions |
| | Technical Session 401 Seminar I Room FGCN 2016 (Oral) | Technical Session 402 Seminar II Room ASEA+CA+CCSC 2016 (Poster) | Technical Session 403 Seminar III Room FGCN+SIP 2016 (Poster) |
| | Session Chair : Dr. Yunhee Kang | Session Chair : Dr. In-Sik Choi | Session Chair : Dr. Yoon Ho Kim |
| 13:00~13:15 | A Study on Optimum Covariance Matrix of Eigen Vector in Correlation | Formulation and Optimization of Load Imbalance in the Hybrid Atomistic-Continuum Simulation Based on Geometric Coupling | A Study on the Interference Effect of the Airport Facility: Analysis Method |
| | Kwan Hyeong Lee | Qian Wang, Xin-Hai Xu, Li-Yang Xu and Juan Chen | Kwang-sik Cho, Jong-Il Moon and Yoon-sik Kwak |
| 13:15~13:30 | New SEC-DED (Single Error Correcting-Double Error Detecting) Code Implementation in WSNs (Wireless Sensor Networks) | AIEM; Agricultural Information & Event Management | A Study on the Interference Effect of the Airport Facility: Modeling |
| | Joong-Ho Lee | Meonghun Lee, Haeng-Kon Kim, Hyun Yeo, Ha Jin Hwang, Carlos Ramos and Goreti Marreiros | Kwang-sik Cho, Jong-Il Moon and Yoon-sik Kwak |
| 13:30~13:45 | Pressure Measurement of Fire Extinguisher Using Circle Hough Transform and Green Detection | Structuring CAMA (Context Area Mobile Applications) in SOA (Service Oriented Architecture) and MDA (Modern Driven Architecture) | Accelerating Model for Startup |
| | Ki Hong Park and Yoon Ho Kim | Mechelle Grace Zaragoza, Haeng-Kon Kim, Hyun Yeo, Ha Jin Hwang, Carlos Ramos and Goreti Marreiros | Yoonsik Kwak, Joomi Kim and Yusun Jung |
| 13:45~14:00 | A Classification of Data Visualization Considering Target | Effective Mobile Applications Testing Strategies | Universal Integration Platform for Information Services |
| | Yuhee Jang and Yongtae Shin | Haeng-Kon Kim, Hyun Yeo, Ha Jin Hwang, Carlos Ramos and Goreti Marreiros | Jin-Man Heo and Yang-Keun Park |
| 14:00~14:15 | Software Architecture for Building DDS Application in IoT Environment | Development of Smart Greenhouse Data Transmission | Asymptotically Achievable BER Performance of BPSK Signaling for OFDM-MRC in Correlated Nakagami-m Fading Environments |
| | Yunhee Kang and Kyoungwoo Kang | Meonghun Lee, SaeRon Han, JaeSu Lee, Hyun Yeo | Hoojin Lee |
| 14:15~14:30 | Development of a Drawing Tool for the Butterfly Diagram to Solve Separation-based Contradiction Problems | A Memory Control Mechanism for Dynamic Scheduling in Hadoop | A Study of Predictive Recommendation Service for Dynamic Web Environment |
| | Chan Jung Park and Jung Suk Hyun | Yunfa Li, Sheng Xiong, Mingyi Li and Nannan Xu | Jeong-Sig Kim, Eung-Sung Kim and Jin-Hong Kim |
| 14:30~14:45 | A Study of Face Detection Using CNN and Cascade Based on Symmetry-LGP & Uniform-LGP and the Skin Color | Research on the Method of Cloud Computing Storage Security based on the Homomorphic Encryption Method | Block Edge Detection based Fast Sample Adaptive Offset Parameter Estimation for HEVC encoder |
| | Ki-Ho Kong and Dae-Seong Kang | Jun Wu and Jing Chen | Sungjei Kim, Jinwoo Jeong and Yonghwan Kim |
| 14:45~15:00 | Effects of Interdependence Characteristics on the Robustness of Interconnected Networks | | Early Skip Decision based on Merge Index of Skip for HEVC encoding |
| | Khanh Vu and Sung-Bong Yang | | Jinwoo Jeong, Sungjei Kim and Yong-Hwan Kim |
| 15:00~15:30 | Coffee Break with Cookie | | |

| | Sessions | Sessions |
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| 15:30~17:30 | Technical Session 501 Seminar I Room FGCN 2016 (Oral) | Technical Session 502 Seminar II Room FGCN 2016 (Poster) |
| | Session Chair : Dr. Hoojin Lee | Session Chair : Dr. Dong-Gyu Jeong |
| 15:30~15:45 | Trend of Research in Data Governance Using Time Series Analysis Kyoung-ae Jang and Woo-Je Kim | A Study on Knowledge-based Context Aware Framework using Machine Learning Eun Joo Kim, Soonhyun Kwon, Hyunjoong Kang, Jong Arm Jun and Nae-soo Kim |
| 15:45~16:00 | An Improved Forwarding Strategy in Opportunistic Network Eun Hak Lee, Dong Young Seo and Yun Won Chung | Quality Characteristics of Public Open Data Chang-Suk Song, Go-Eun Park and Chang-Jae Kim |
| 16:00~16:15 | Analysis on X-band Long Range Radar Using AREPS Software In-Sik Choi | Machine Learning Recognition of Anaerobic Exercise Using Smart Watch Sensor Data SooHyun Cho and SooWon Lee |
| 16:15~16:30 | A System on Hand Gestures Recognition Interface Using Hippocampal Neural Networks of Brain Model Based on Kinect Data Jeong-Hwan Hyun and Dae-Seong Kang | The Relationship between Crime and CCTV Installation Status by Using Artificial Neural Networks Ahyoung Jung and Changjae Kim |
| 16:30~16:45 | A Design of Vehicle Status Information Collection Device for Accident Analysis System Ming-Shou An and Dae-Seong Kang | Collaborative Home Services through Virtualization of Networked Residential Devices Kyou Ho Lee, Young-Hun Lee and Jin Kyu Choe |
| 16:45~17:00 | Study of New Soft Switched PWM Converter Gyubum Joung, Zhiyong Dong, Sejong Hwang and Dong-Gyu Jeong | A Study on Muscle Fiber Number Estimation of ADM Muscle using Computer Simulation Sung-Hun Kwon, Sun-Hyung Kim and Young-Chang Kang |
| 17:00~17:15 | Establishing Crime Prevention Systems Based on Internet of Things and Associated Spatial Urban Factors Dong-Hyok Suh and Jeong-Hwa Song | Spherical Coordinate System Based New Background Subtraction Algorithm That Supplemented Existing Background Subtraction Algorithms Lee Han-Sol, Choi Jae-Won, Park Tae-Geon, Kim Seong-Heon and Choi Jin-Tak |
| 17:15~17:30 | | |

November 26th 2016 at Ara Convention Hall, Jeju National University, Jeju, Korea

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| 14:00~18:00 | Committee Meeting For 2017 Conferences Conference Papers Recommendation For Journal Publication General Chair's Room (Closed Meeting) |
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