
Invited Session

Chair: Prof. Peng Limei (Kyungpook Nat'l U.
(Kyungpook Nat'l U.))

Room1#105

Day 2 09:00–10:00

1, AI Technologies for Human Activity Recognition

Prof. Dong Seog Han (Kyungpook Nat'l U.)

2, Wireless devices for 5G / drones / Leo Sat.

Prof. Sungtek Kahng (Incheon Nat'l U.)

UCSY + SMU joint session I

Chair: Prof. Win Pa Pa (University of Computer
Studies, Yangon)

Room1#105

Day 2 10:00–11:30

1, InxGa1-xAs High-Electron Mobility Transistor for Terahertz frequency applications

Hyeon-Bhin Jo, Soo-Chang Chae, Ki-Jin kim, Kwang-Ho Ahn
(Korea Electronics Technology Institute)

2, Joint Intent Detection and Slot Filling with BERT in Burmese

Sann Su Su Yee, Khin Mar Soe (University of Computer Studies,
Yangon)

3, A Preliminary Study on fNIRS-based RSVP Target Detection

Seongyeon Lim, Yerim ji, Eunji Won, Suh-Yeon Dong (Sookmyung
Women's University)

4, Design of an Assistive System of Online Video Lecture for Visually Impaired Students

Dong-Yeon Park, Soon-Bum Lim (Sookmyung Women's University)
Debbie Ko (Bethlehem University)

5, Recent Trend of Code Summarization

Youngmi Park, Anjeong Park, Chulyun Kim (Sookmyung Women's
university)

6, Utilizing RoBERTa Intermediate Layers and Fine-Tuning for Sentence Classification

Eaint Thet Hmu Soe, winpapa (University of Computer Studies, Yangon)

UCSY + SMU joint session II

Chair: Prof. Yujin Lim (Sookmyung Women's U.)

Room1#105

Day 2 14:00–15:00

- 1, **Development of Capacitive Coupled Ambulatory ECG System to alleviate Motion Artifact**
Younghwan Kang, Yeunho Joung, Jongtae Ihm (Hanbat National University)
- 2, **Rasterized Image Based Path Prediction Deep-Learning Model**
Chaehyun Lee, Dong Seog Han (Kyungpook National University)
- 3, **3D Clothed Human Parametric Model from a Single Scan with Joint Optimization**
Sohyun Park, Jiwoo Kang (Sookmyung Women's University)
- 4, **Research Topics of Task offloading in Vehicular Edge Computing**
Sungwon Moon, Yujin Lim (Sookmyung Women's University)
- 5, **Recent Study of UAV-enabled MEC System in Vehicular Network**
A Young Shin, Yujin Lim (Sookmyung Women's University)
- 6, **Secure Data Transmission through IoT Devices using Quantum Key Distribution Protocol**
Myat Su Win (University of Computer Studies, Mandalay)

ICT R&D II

Chair: Prof. Jaemin Lee (KIT)

room1#105

Day 3 17:00– 18:00

- 1, A Rat-Race Coupler for Radar Applications to Improve TxRx Isolation
Soo Chang Chae (Korea Electronics Technology Institute)
- 2, A GaN MMIC FEM(Front End Module) with 5G NR Performance Verification in mmWave
Ji Hye Hwang (Korea Electronics Technology Institute)
- 3, A Study of EVM Degradation in 5G Signal Digital Modulation Due to PLL in-band Phase Noise
Soo Jeong Kim (Korea Electronics Technology Institute)
- 4, Capacity Enhancement for Index Modulation based RIS-OAM Communication
Hye Yeong Lee (Kumoh National Institute of Technology)
- 5, Comparison of Effective Features Selection Method in Intrusion Detection
Htay Htay Yi (Information and Communication Technology Research Center)

Smart Farm I (Research)

Chair: Prof. Hong Lim, Choi (Seoul National University)

Room2#303

Day 2 09:00–10:00

- 1, Development of autonomous driving platform for vehicle-type logistics robot "FAEV"
Choi Myoung Gyun, Choi Yun Yong (DRIVETECH)
- 2, Pests Image Recognition System for Myanmar Agriculture
Khin Chan Myae Aung (Myanmar ICT Base Technology Lab)
- 3, Prediction Irrigation System for Smart Agriculture Using IoT and KNN Algorithm
Theint Theint, Thin Lai Lai Thein(University of Computer Studies, Yangon)
- 4, Monitoring and Controlling for Agricultural Land
YeNaing,Dr. Thin Lai Lai Thein(University of Computer Studies, Yangon)

Smart Farm II (Industry)

Chair: Prof. Young-Hwa Kim (Namseoul U.)

Room2#303

Day 2 10:00–11:30

- 1, Implementation case of K8s(PaaS-Ta) in Water supply special accounting ERP system of local government
Hong Lim Choi (HyperTech)
- 2, Comparison of the effects of perceived usefulness factors of Korean smart farm on farmers' technology acceptance intention and non-farmers' rural entrepreneurial intention
Mun Hyuong Ahn(Department of Smart Farm, Namseoul University)
- 3, the difference between smart farms in the four seasons in Korea and the tropical regions
Seung Ho Tak (Super High Touch Co., Ltd)
- 4, AI Smart Farm based on plants image and environment data.
Won Joo Lee (AVALVE Corp.)
- 5, Technology and Prospects of Smart Precision Livestock Management
Sun Young Huh (Department of Smart Farm, Namseoul University)

Recent Communication Technologies

Chair: Prof. Sungtek Kahng (Incheon Nat'l U.)

Room2#303

Day 2 14:00–15:40

- 1, Quality of 5G communication with Antenna beams
Yejin Lee, Jiyeon Jang, Yejune Seo, Junghyun Cho, Jaewon Koh, Sungtek Kahng
(Incheon National University)
- 2, Vehicle Damage Volume Level Recognition Algorithm based on Convolution Neural Network and Yolo Model
Min Htet Thar,*Man Zhang,*Gi Ho Nam,*Dong Myung Lee
(EasyGeo,*Tongmyong University)
- 3, 28GHz 6-Bit QAF based Active Phase Shifter
Hyuk-Jin Choi,Soo-Chang Chae, Kwang-Ho Ahn, Ki-Jin Kim (Korea Electronics Technology)
- 4, Human detection method using MobileNetV2 as an indoor safety management system
Soo Jeong Choi, Yujin Lim(Sookmyung Women's University)
- 5, Industrial Safety Management System Based on Deep Learning Using YOLOv5
JaeSang Yun, InJe Son, KyungHeon Song, HyeonJun Kim, SoonRyang Kwon (Tongmyong University)

Tutorial

Chair: Prof. Dong Myung Lee
(Tongmyong University)

Room2#303
Day 2 15:40–16:40

- 1, Research on NLP Studies in UCSY
Prof. Win Pa Pa (UCSY, Myanmar)
- 2, In-Network Computing-A Survey
Prof. Sang Heon Pack (Korea University)
- 3, Recent Trend of Hyper-Connected Communication Technologies in 5G and Beyond
Prof. Byung Ju Lee (Incheon National University)

ICT R&D I

Chair: Prof. Byungju Lee (Incheon Nat'l U.)

Room2#303
Day 2 16:40–18:00

- 1, Camera Assisted Radar RCS Signal Fault Detection Using CNN
Dian Ning, Dong Seog Han(Kyungpook National University)
- 2, Boosting signal strength of LoRA wireless communication
Jiyeon Jang, Yejin Lee, Yejune Seo, Junghyun Cho, Jaewon Koh, Sungtek Kahng (Incheon National University)
- 3, An Indoor Beamforming Scheme using Optical Signals
Yeon Ho Chung, Thinn Yu Aung, Sudhanshu Arya(Pukyong National University)
- 4, Impact of User Pairing for Capacity Maximization in Uplink CR-NOMA
Irfan Azam,Soo Young Shin
- 5, Deep Reinforcement Learning for NR-V2X Mode 2
Malik Muhammad Saad,Junho Seo,Muhammad Ashar Tariq,Dongkyun Kim
- 6, Recent Trend of Edge Caching in Vehicular Networks
Yoonjeong Choi, Yujin Lim(Sookmyung Women's University)

NLP between Korea and Myanmar

Chair: Prof. Sooyong Shin (KIT)

room2#102

Day 3 10:00– 12:00

- 1, **Named Entity Recognition for Myanmar Language**
Hsu Myat Mo, Khin Mar Soe (University of Computer Studies, Yangon)
- 2, **Comparison of NASNetLarge and NASNetMobile as Encoder for Myanmar Image Caption Generation**
San Pa Pa Aung (University of Computer Studies, Yangon)
- 3, **Generative Adversarial Networks for Myanmar Text to Image Synthesis**
Naing Kham Htwe, Win Pa Pa (University of Computer Studies, Yangon)
- 4, **MyanBERTa A Pre-trained Language Model For Myanmar**
Aye Mya Hlaing (University of Computer Studies, Yangon)
- 5, **Improving Myanmar Automatic Speech Recognition with End-to-End Technique**
Hay Mar Soe Naing, Win Pa Pa (University of Computer Studies, Yangon)
- 6, **Hyperparameters Tuning and Model Optimization of Neural Network Architecture in Myanmar Stemmer**
Yadanar Oo, Khin Mar Soe (University of Computer Studies, Yangon)
- 7, **Automatic speech translation (Invited Talk)**
Dr. Sang Hun Kim (ETRI)

VIP

Prof. Mie Mie Khin (Technology University (Yadanapon Cyber City))
Prof. Een-Kee Hong (Executive Vice President of KICS)
Dr. Sunggi Baik (Former President of POSTECH, Korea)
Prof. Haein Yim (Dean, Sookmyung Women's University)

Committee

Prof. Yeon Ho Chung(Pukyong Univ.)
Prof. Dong Seog Han (Kyungpook National University)
Prof. Sang Heon Pack(Korea University)
Prof. Young Hwa Kim(Namseoul Univ.)
Prof. Yu jin Lim(Sookmyung Women's Univ.)
Prof. Peng Limei (Kyungpook Nat'l Univ)
Prof. Dong Myung Lee(Tongmyoung Univ.)
Prof. Byung Ju Lee(Incheon Univ.)
Prof. Jae Min Lee(KIT)
Prof. Soo Yong Shin(KIT)
Prof. Yeon Ho Chung(Pukyong Univ.)
Dr. Jae Young Ahn(ETRI)
Prof. Youn Hee Han(Korea Tech Univ.)
Prof. Hong Lim Choi(Seoul National Univ.)