

Session	Date	Time	Session Name	Title	Authors with affiliation and country
Oral Session - 1A	Feb/18 (Tue)	13:00 - 15:00	5G/6G Communications I	A Survey on Energy-Efficient in Semantic Communication: Techniques, Challenges, and Future Directions	Thwe Thwe Win, Wondmagegn Ayalneh Bitew, Thi My Tuyen Nguyen, Junsuk Oh, Gahyun Kim and Sungrae Cho (Chung-Ang University, Korea (South))
				A Review on Task Offloading and Resource Allocation in Aerial and Satellite-Assisted MEC Systems	Wondmagegn Ayalneh Bitew, Thwe Thwe Win, Jaemin Kim, Dongwook Won and Sungrae Cho (Chung-Ang University, Korea (South))
				Adapting Federated Learning to Dynamic and Non-Stationary Data: An Online Learning Approach	Jaemin Kim, Donghyeon Hur, Dongwook Won and Sungrae Cho (Chung-Ang University, Korea (South))
				Joint Resource Allocation and Power Efficiency Optimization for O-RAN based ISAC	Chunghyun Lee, Junsuk Oh and Sungrae Cho (Chung-Ang University, Korea (South))
				A DRL Framework to Optimize Energy Efficiency for Quadrature Rate-Splitting Multiple Access	Anh-Tien Tran, Thanh Phung Truong, Dang Huy Mac, Dongwook Won and Jaemin Kim (Chung-Ang University, Korea (South)); Nhu-Ngoc Dao (Sejong University, Korea (South)); Sungrae Cho (Chung-Ang University, Korea (South))
				A Survey on Satellite Networks with Federated Learning to Analyze Data or Manage Resource	Junsuk Oh, Donghyun Lee, Thanh Phung Truong, Donghyeon Hur, Seonghun Hong and Sungrae Cho (Chung-Ang University, Korea (South))
				A Survey on Integrated Sensing and Communication: Integrated System of RIS, UAV, Multiple Access	Donghyun Lee, Yunseong Lee, Chihyun Song, Junsuk Oh, The Vi Nguyen and Sungrae Cho (Chung-Ang University, Korea (South))
				Security and Privacy Challenges in Semantic Communication Networks	Quang Tuan Do, Dongwook Won, Tung Son Do, Thanh Phung Truong and Sungrae Cho (Chung-Ang University, Korea (South))
Oral Session - 1B	Feb/18 (Tue)	13:00 - 15:00	Detection, Decision, and Control I	Mitigation Approach for Certain Biases in Survey Scale Input within AI Control and Decision Systems	Steve Chan (Harvard University, USA)
				Performance-weighted Ensemble Learning for Speech Classification	Bagus Tris Atmaja (National Institute of Advanced Industrial Science and Technology, Japan & Institut Teknologi Sepuluh Nopember, Indonesia); Akira Sasou (National Institute of Advanced Industrial Science and Technology, AIST, Japan); Felix Burkhardt (AUDEERING GmbH, Germany)
				Malicious Domain Detection Using Statistical Features of Domain Strings, Public Information, and DNS Logs	Reo Kusumi (Kindai University, Japan); Makoto Takita and Thin Tharaphe Thein (Kobe University, Japan); Masami Mohri (Kindai University, Japan); Yoshiaki Shiraishi (Kobe University, Japan)
				Evaluation of Real-Time Train Overhead Line Component Detection on Edge Device	Yuto Yokomine (Tokyo City University Graduate School, Japan); Nico Surantha (Tokyo City University, Japan)
				2D Sinc Interpolation-Based Fractional Delay and Doppler Estimation Using Time and Frequency Shifted Gaussian Pulses	Yutaka Jitsumatsu and Sun Liangchen (Kyushu University, Japan)
				DefectDiffusion: A Generative Diffusion Model for Robust Data Augmentation in Industrial Defect Detection	Md Tayeb Adnan (Kumoh National Institute of Technology, Korea (South)); Hope Leticia Nakayiza (Kumoh National Institute of Technology, Gumi, Korea (South)); Heejae Shin, Seungmin Lee, Dong Seong Kim and Jae Min Lee (Kumoh National Institute of Technology, Korea (South))
				Implementing Explainable AI to Enhance Business Decision Making & Bridging the Trust Gap	Zakir Hossain (California State University, USA); Asif Ahamed (Westcliff University, USA)
Oral	Feb/18	13:00 -	Application for	Attention-Enhanced Reservoir Computing for Modeling Diverse Dynamical	Felix Koester, Kanno Kazutaka and Atsushi Uchida (Saitama University, Japan)
				Classification of Tomato Growth Degree Adopting Machine-Learning to Photomorphogenesis Information in the Visible Light Region	Yoshitsugu Nakagawa (Tokyo Metropolitan Industrial Technology Research Institute & Tama-Techno Plaza, Japan)
				Explainable Predictive Analysis of the Economic and Financial Performance of Italian Publicly Owned Companies	Idio Guarino (University of Verona, Italy); Antonio Montieri (University of Napoli Federico II, Italy); Domenico Ciunzo (University of Naples Federico II, Italy); Antonio Pescapé (University of Napoli Federico II, Italy)

Session - 1C	Feb/18 (Tue)	15:00 - 15:00	Information Systems I	Development and application of eTheremin: hand tracking and AI technology facilitate educational and entertaining musical training	Tsen-Fang Lin and Wen-Hsin Li (Southern Taiwan University of Science and Technology, Taiwan)
				GSW-Yolo: Improved Light-Weight Person Detection Method Based on YOLOv8	Januar Adi Putra, Nanik Suciati and Chastine Fatichah (Institut Teknologi Sepuluh Nopember, Indonesia)
				Efficient Occupancy Prediction with Instance-level Attention	Sungjin Park, Jaeha Song and Soonmin Hwang (Hanyang University, Korea (South))
				Leveraging Camera-Based Methods for Enhanced Feature-to-World Mapping	Jaeha Song, Sungjin Park and Soonmin Hwang (Hanyang University, Korea (South))
Oral Session - 1D	Feb/18 (Tue)	13:00 - 15:00	Wireless Communications I	Beamforming Optimization for MIMO System Based on Graph Neural Networks	Zhao Jianxun and Ji Yang (Beijing University of Posts and Telecommunications, China)
				Neural Network-aided Cell Selection and Handover in Cellular Networks with Carrier Aggregation	Haerim Ga, Gwanwoo Na, Gahye Kim and Jungmin So (Sogang University, Korea (South))
				Pilot Allocation Optimization by Hybrid Quantum-Classical Neural Network in CF-mMIMO	Nguyen Doan Hieu, Tung Nguyen and Won-Joo Hwang (Pusan National University, Korea (South))
				Quantum Graph Neural Network for Resource Management in Wireless Communication	Tung Giang Le, Xuan Tung Nguyen and Won-Joo Hwang (Pusan National University, Korea (South))
				Secure Dynamic Spectrum Access in Internet-of-Things Based on Machine Unlearning	Feng Li (Nanyang Technological University, Singapore); Shui Shen (School of Information and Electronic Engineering, Zhejiang Gongshang University, Hangzhou, Hong Kong); Kwok-Yan Lam and Bowen Shen (Nanyang Technological University, Singapore); Li Wang (Dalian Maritime University, China)
				An Effect of Temperature on Packet-Level Index Modulation for IoT	Hitoshi Yamasaki and Mai Ohta (Fukuoka University, Japan); Hiroki Matsuura (NATANE eICT Lab., Japan); Makoto Taromaru (Fukuoka University, Japan)
				Machine Learning Based Blockage Prediction in Mm-wave V2I Communications	Yuya Sugimoto and Gia Khanh Tran (Institute of Science Tokyo, Japan)
Oral Session - 2A	Feb/18 (Tue)	16:20 - 17:40	5G/6G Communications II	Deep Reinforcement Learning-assisted Resource Allocation for Fluid Antenna System: Overview, Research Challenges and Future Trends	Cuong Ho and Sungrae Cho (Chung-Ang University, Korea (South))
				Researches on Resource Allocation with Reinforcement Learning in Cell-Free Networks	Yunseong Lee, Donghyun Lee, Junsuk Oh and Chihyun Song (Chung-Ang University, Korea (South)); Wonjong Noh (Hallym University, Korea (South)); Sungrae Cho (Chung-Ang University, Korea (South))
				Super-Resolution Semantic Communication System for Satellite Image	Tung Son Do, Thanh Phung Truong, Quang Tuan Do, Dongwook Won, Wondmagegn Ayalneh Bitew and Sungrae Cho (Chung-Ang University, Korea (South))
				Optimizing Data Transmission for Deep Space: A Comprehensive Overview and Research Trends of Licklider Transmission Protocol	Gahyun Kim, Seonghun Hong, Thwe Thwe Win, Junsuk Oh and Sungrae Cho (Chung-Ang University, Korea (South))
				AI-Enabled Swarm Clustering for UAVs-Aided IoT Data Acquisition	Thanh Phung Truong, Tung Son Do, Junsuk Oh, Dongwook Won, The Vi Nguyen, Chunghyun Lee and Sungrae Cho (Chung-Ang University, Korea (South))
Oral Session - 2B	Feb/18 (Tue)	16:20 - 17:40	Localization /Sensing	Joint DoA Estimation and AMC for Overlapped Signal via Multi-Task Deep Learning	Yunseol Cho, Hanvit Kim, Hyunwoo Park and Sunwoo Kim (Hanyang University, Korea (South))
				Towards Grid-Free Positioning for Near-Field Communications	Hyunwoo Park (Hanyang University, Korea (South)); Andrea Conti (DE and CNIT, University of Ferrara, Italy); Moe Z. Win (Massachusetts Institute of Technology, USA); Sunwoo Kim (Hanyang University, Korea (South))
				From Radio Signals to Spatial Maps: End-to-end Learning for Virtual Anchor Mapping	Kyeong-Ju Cha, Hyunwoo Park and Sunwoo Kim (Hanyang University, Korea (South))
				5G Localization with Blockage Detection based on Beam RSRP Patterns in Urban Environment	Seongyeop Kim, Hongseok Jung, Duhui Yang and Sunwoo Kim (Hanyang University, Korea (South))

Oral Session - 2D	Feb/18 (Tue)	16:20 - 17:40	FSO and OCC	Multi-unit Based IRS Supported Non-Line-of-Sight Communication for Signal Quality Performance Improvement	Hira Khatun (Khulna University of Engineering & Technology (KUET), Bangladesh); Mostafa Zaman Chowdhury (Khulna University of Engineering & Technology, Bangladesh); Yeong Min Jang (Kookmin University, Korea (South))
				Evaluating SAM-Based Labeling Approaches for Autonomous Driving in Korean Traffic Scenarios	Youngwoong Jun and Sang-Chul Kim (Kookmin University, Korea (South))
				Quantum Neural Networks for Enhanced Motion Prediction in Autonomous Vehicles	Md. Shahriar Nazim, Ida Bagus Krishna Yoga Utama and Yeong Min Jang (Kookmin University, Korea (South))
				UAV Energy Consumption Prediction: A Comparative Study from Four Different Deep Learning Models	Zalza Karima, Md. Shahriar Nazim and Yeong Min Jang (Kookmin University, Korea (South)); Chairul Hudaya (Universitas Indonesia, Indonesia)
				FPGA Implementation of Channel Codec for Optical Intersatellite Link Communication System	Irzal Zaini (Kookmin University, South Korea, Korea (South)); Ida Bagus Krishna Yoga Utama and Yeong Min Jang (Kookmin University, Korea (South))
Oral Session - 3A	Feb/19 (Wed)	09:10 - 10:30	Information and Communication Technology I	Flow-level Bandwidth Allocation on P4 Tofino Switch with In-Network DRL Inference	Muhammad Irfan (CCNY, USA & Wentworth Institute of Technology, USA); Hang Hu (City College of New York, USA); Myung Lee (CUNY, City College, USA); Arslan Qadeer (City College of New York, CUNY, USA); Yang G. Kim (New York City College of Technology, USA); Kazi Ahmed (New York Institute of Technology, USA); Daiki Nobayashi (Kyushu Institute of Technology, Japan)
				Performance Analysis of Signing Algorithms and Integrity Enhancement Techniques for MAVLink in PX4	S
				Information-intensive control method using estimated observation values based on correlation of observation values from multiple sensors	Yudai Koike and Osamu Takyu (Shinshu University, Japan)
				Bridging the Gap Between Biological and Sustainable Practices: Meta-Analysis of Biomimetic Strategies & Applications to Architecture	Vasileios Alevizos (Karolinska institutet, Sweden); Sabrina Edralin (University of Illinois Urbana-Champaign, USA); Clark Xu (Mayo Clinic, USA)
				LearnRAG: Implementing Retrieval-Augmented Generation for Adaptive Learning Systems	Richard Shan (NCSSM, USA)
Oral Session - 3B	Feb/19 (Wed)	09:10 - 10:30	Wireless Communication II	Real-Time Performance Analysis of Multi-Armed Bandit Solution for OBSS and Dynamic Channel Bonding in WLAN	Govindarajan J (Amrita Vishwavidyapeetham University, India); Remya P R (Amrita Vishwa Vidyapeetham, India)
				Quantum AI-Enhanced Deep Reinforcement Learning for Real-Time Adaptive Beamforming in Next-Generation Terahertz Communication Systems	Raj Kashikar (Virginia Polytechnic Institute and State University, USA)
				Application of Nonlinear Oscillator Desynchronization Phenomena to Collision Avoidance in LoRa and its Experimental Evaluation	Dai Kojima (Tokyo University of Science, Japan); Hiroyuki Yasuda (The University of Tokyo, Japan); Takuma Osada (Tokyo University of Science, Japan); Aohan Li (The University of Electro-Communications, Japan); Maki Arai and Mikio Hasegawa (Tokyo University of Science, Japan)
				Concatenated Channel Coding with Ring Structure in Screen-Camera Links	Tzu-Hao Chang (National Chiao Tung University, Taiwan); Hsu-Feng Hsiao (National Yang Ming Chiao Tung University, Taiwan)
				Slice Resource Management with MADDPG-Based Traffic Classification in 5G/B5G Networks	Chia-Yu Yan, Chih-Jou Tai and Li-Der Chou (National Central University, Taiwan)
				Development of a Classification Model for Banana Leaf Disease Using Google Teachable Machine	Joshua B Ancheta (Lyceum of the Philippines University - Cavite, Philippines & Asia Pacific College, Philippines); Leah Q Santos and Arnel M Avelino (Lyceum of the Philippines University - Cavite, Philippines); Ma. Editha A Grande (Ateneo de Manila University, Philippines); Luigi Carlo M De Jesus (Asia Pacific College, Philippines & De La Salle University - Manila, Philippines); Jaime David (Asia Pacific College, Philippines)

Oral Session - 3C	Feb/19 (Wed)	09:10 - 10:30	AI Foundation I	Comparison of Deep Learning Models for Singlysyn Defect Detection and Classification	Manida Bhonsawanwong, Akarima Pengubon and Noboru Sonehara (Chulalongkorn University, Thailand); Akihisa Kodate (Tsuda University, Japan); Masamichi Nakamura (Tamagawa Seiki Co., Ltd, Japan); Kazuto Kojima (Iida City Government, Japan); Nagul Cooharajanone (Chulalongkorn University, Thailand)
				Defending Against High-Intensity Adversarial Perturbations in Deep Neural Networks: A Robust Swin Transformer Approach	Quang Nguyen Tri Le (University of Ottawa, Canada); Francois Chan (Royal Military College, Canada); Jianbing Ni, Scott Yam and Ning Lu (Queen's University, Canada)
				Kolmogorov-Arnold Networks with Trainable Activation Functions for Data Regression and Classification	Kuan-Lin Chen and Jian-Jiun Ding (National Taiwan University, Taiwan)
				A Hybrid mRMR-RFE and AI Framework for Advancing Alzheimer's Biomarkers Discovery	Md Maniruzzaman (School of Engineering, San Francisco Bay University, USA); Shahadat Jaman (Bangladesh University of Business and Technology, Bangladesh); Md Amzad Sadik Abid (Lamar University, USA); Zakaria Mahmud (GlaxoSmithKline (GSK), USA); Muhammad Enayetur Rahman (Old Dominion University, USA); Md Nurul Absar Siddiky (University of North Carolina at Charlotte, USA)
Oral Session - 3D	Feb/19 (Wed)	09:10 - 10:30	LLM and Language + AI	Construction and Application of a Multi-modal Knowledge Graph Integrated with Large Language Models in the Field of Manufacturing Processes	Xiaogui Tian, Jianxin Xu, Shuqin Wang and Yongsheng Zhou (Northwestern Polytechnical University, China)
				Evaluation of ChatGPT as a classification model to detect prostitution sentences in SNS	Keisuke Yoneda (Sojo University, Japan)
				Authorship Attribution by Attention Pattern of BERT with Topological Data Analysis and UMAP	Wataru Sakurai, Masato Asano, Daisuke Imoto, Masakatsu Honma and Kenji Kurosawa (National Research Institute of Police Science, Japan)
				Text-to-Image Conditional GAN-Based Floor Plan Generator	Michael Lystbæk (Aarhus University, Denmark)
				Reliability and Suitability of Evaluation of Speech by LLM with Voice Mode	Yugo Tagami (Kogakuin University, Japan); Takako Kojima (Tokyo Medical University, Japan); Saneyasu Yamaguchi (Kogakuin University, Japan)
Oral Session - 4A	Feb/19 (Wed)	14:00 - 15:20	Security	Homomorphic Encryption for Privacy Preserving Misbehavior Detection in the Internet of Vehicles	Hope Leticia Nakayiza (Kumoh National Institute of Technology, Gumi, Korea (South)); Love Allen Chijioko Ahakonye, Dong Seong Kim and Jae Min Lee (Kumoh National Institute of Technology, Korea (South))
				Cyber Threat Detection on Internet of Things	Mebiratu B Bekele (Dalian University of Technology, China); Ephrem Getachew Demesa (Tallinn University of Technology, Estonia); Yesuneh Getachew Taye (Bahir Dar Institute of Technology, Ethiopia)
				Human-in-the-loop for Machine Learning in Offensive Cybersecurity	Satida Ruengsurat (Japan Advanced Institute of Science and Technology, Japan); Jaimai Eawsivigoon (Mahidol University International College, Thailand); Vidchaphol Sookplang (Japan Advanced Institute of Science and Technology, Japan); Karin Sumongkayothin (Mahidol University, Thailand); Prarinya Siritanawan (Shinshu University, Japan); Razvan Beuran (Japan Advanced Institute of Science and Technology, Japan); Kazunori Kotani (JAIST, Japan)
				Eco-Secure SCADA: Towards Machine Learning Reliability for Green Cybersecurity	Love Allen Chijioko Ahakonye (Kumoh National Institute of Technology, Korea (South)); Jonathan Mukisa Kalibbala (Kumoh National Institute of Technology, Gumi, Korea (South)); Cosmas Ifeanyi Nwakanma (West Virginia University, USA); Dong Seong Kim (Kumoh National Institute of Technology, Korea (South))
				The Role of Network Segmentation and Micro-segmentation in Operational Technology Security	Ziad ALmulla and M M Hafizur Rahman (King Faisal University, Saudi Arabia)
				The Impact of MRI Data Harmonization on Brain Age Prediction	Junhyeok Lee, Ju Hyuk Han, Minjae Kim, Yeonwoo Kim, Tae-Seong Kim and Won Hee Lee (Kyung Hee University, Korea (South))
				A Combination of Functional Principal Component Analysis and Long Short-Term Memory Networks for Alzheimer's Disease Prediction	Yong-Shiuan Lee (Feng Chia University, Taiwan); Huimei Liu (National Chengchi University, Taiwan)

Oral Session - 4B	Feb/19 (Wed)	14:00 - 15:20	Brain + AI	Utilization of DenseNet201, EfficientNetB3, Resnet50, and VGG19 as Pre-Trained Convolutional Neural Network Models for Brain Tumour Classification	Adel Sulaiman, Asadullah Shaikh and Hani Alshahrani (Najran University, Saudi Arabia); Kanwarpartap Singh Gill and Rupesh Gupta (Chitkara University, India); Rahul Chauhan (Graphic Era Hill University, India); Srinivas Aluvala (SR University, India); Mana Saleh Al Reshan (Najran University, Saudi Arabia)
				Enhancing Reasoning Capacity of SLM using Cognitive Enhancement	Jonathan Pan (Nanyang Technological University, Singapore)
				Corresponding an Audio-Processing Transformer to EEG Brain Activity Induced by Naturalistic Audio-Visual Video Stimuli	Hiroki Kurashige and Jun Kaneko (Tokai University, Japan)
Oral Session - 4C	Feb/19 (Wed)	14:00 - 15:20	Detection, Decision, and Control II	Improved Sampling Methods for Evaluation of Classification Performance	Yue-Shi Lee, Show-Jane Yen and Yi-Jie Tang (Ming Chuan University, Taiwan)
				Distributed Denial-of-Service (DDoS) Detection Using Multitask Learning based on Deep Learning	Parman Sukarno, Muhammad Fauzan Abyandani and Aulia Arif Wardana (Telkom University, Indonesia)
				Early Detection of Lung Cancer Using Pyramid Vision Transformer (PVT v2): A Comparative Analysis of Deep Learning Models	Md. Khurshid Jahan, Ahmed Faizul Haque Dhrubo (North South University, Bangladesh); Maher Ali Rusho (University of Colorado, Boulder, USA); Ashfaqur Rahman Chowdhury, Farhana Sharmin, and Mohammad Abdul Qayum (North South University, Bangladesh)
				Trajectory Optimization and Control of Autonomous Surface Ships in Dynamic Environments Using a Hybrid Extended Kalman Filter and Fuzzy Logic System	Umar Zaman (Chungnam National University, South Korea, Korea (South)); Junaid Khan (Autonomous Ship Research Center Samsung Heavy Industries); Jaebin Ku and Sanha Kim (Chungnam National University, Korea (South)); Eunkyoo Lee (Samsung Heavy Industries, Daejeon, Korea, Korea (South)); Kyungsup Kim (Chungnam National University, Korea (South))
				Accuracy based Rewarding for Sensors in Noisy Collaborative Point Cloud Acquisition Environments	Sumiko Miyata (Institute of Science Tokyo, Japan); Takamichi Miyata (Chiba Institute of Technology, Japan)
Poster Session - P1	Feb/19 (Wed)	14:00 - 15:20	AI Application	Vision transformers for Mpx detection	Gelan Ayana, So-Yun Park and Se-woon Choe (Kumoh National Institute of Technology, Korea (South))
				Squamous Cell Carcinoma Margin Classification Using Vision Transformers from Digital Histopathology Images	So-Yun Park, Gelan Ayana and Se-woon Choe (Kumoh National Institute of Technology, Korea (South))
				Assessing the Impact of State-Space Complexity on an Image based DQN via the Game of Snake	David J. Richter and Kyungbaek Kim (Chonnam National University, Korea (South))
				Segmentation Aided Multiclass Tumor Classification in Ultrasound Images using Graph Neural Network	Iftekharul Islam Shovon (Chosun University, Korea (South)); Ijaz Ahmad (Korea University, Korea (South)); Seokjoo Shin (Chosun University, Korea (South))
				Deep Learning-based Energy Efficiency Maximization in Multi-STAR-RIS-Assisted Massive MIMO-NOMA Networks	Ridho Hendra Yoga Perdana (Hongik University, Korea (South)); Toan-Van Nguyen (San Diego State University, USA); Yushintia Pramitarini (Hongik University, Korea (South)); Duy H. N. Nguyen (San Diego State University, USA); Beongku An (Hongik University, Korea (South))
				GATreg - Graph Attention Networks with Regularization	Mariam Ishtiaq (University of Science and Technology (UST), Korea (South) & Korea Railroad Research Institute (KRRRI), Korea (South)); Jong-Un Won (Korea Railroad Research Institute, Korea (South)); Sangchan Park (The State University of New York Korea, Korea (South))
				Evaluating Backbone Modifications on Capsule Networks for Low-Resolution Image Classification	Hasindu Dewasurendra and Taejoon Kim (Chungbuk National University, Korea (South))
				Accuracy Performance Analysis of Quantized DNN Models using Approximate 4-2 Compressor Based Multipliers	Seokhyeon Lee, Jeonggeun Kim and Yongtae Kim (Kyungpook National University, Korea (South))
				Analysis of the Impact of Radio Frequency Interference from Satellite on Terrestrial Network in Adjacent Channel	Seung-Woo Jo and Won Cheol Lee (Soongsil University, Korea (South))
				Reinforcement Learning-Based Backhaul Routing for APs in Cell-Free Massive MIMO Networks	Junho Seo, Malik Saad, Mahnoor Ajmal, Ayesha Siddiq, Bomi Jeong, Su Kim and Dongkyun Kim (Kyungpook National University, Korea (South))

				A Hybrid Attention-Driven Deep Learning Model for Osteoporosis Detection in Knees	Ishaq Muhammad (Chosun University, Korea (South) & None, Korea (South)); Bumshik Lee (Chosun University, Korea (South))
				Combining Reinforcement Learning and Heuristic Optimization: A Model Based on a Deep Q-Network and Graph Neural Networks for Graph Coloring	SeokJin Kwon and Yong-Hyuk Kim (University of Kwangwoon, Korea (South))
				Efficient Learning in Predictive Coding Networks Using Global Error Signals	Soha Lee and Hyeyoung Park (Kyungpook National University, Korea (South))
				Accelerating Convergence in Distributed Reinforcement Learning via Asynchronous PPO	Asel Nurlanbek kyzy, Chang-Hun Ji, Yohan Choi and Yeong-Jun Seok (Korea University of Technology and Education, Korea (South)); Ihsan Ullah (Yuan Ze University, Taiwan); Youn-Hee Han (Korea University of Technology and Education, Korea (South))
				Study on a Data Collection Platform for Greenhouse Gas Emission Factors in Smart Farms for Low-Carbon Agriculture	Kwangho Yang (Sunchon National University, Korea (South)); Hyun Yeo (Suncheon, Korea (South)); Meong Hun Lee (SunChon National University, Korea (South)); JangDuk Ahn (Sunchon National University, Korea (South))
				A study on comparative analysis of machine learning models for melon growth prediction	Sangmin Lim (Sunchon National University, Korea (South)); Meong Hun Lee (SunChon National University, Korea (South)); Hyun Yeo (Suncheon, Korea (South))
				A Study on the Prediction of Horticultural Paprika Crop Growth in Artificial Intelligence Infrastructure	Gwang Hoon Jung (Sunchon National University, Korea (South)); Meong Hun Lee (SunChon National University, Korea (South)); Hyun Yoe (Sunchon National University, Korea (South))
				Denosing Method for Wireless Communication Signals Based on Convolutional AutoEncoder	Woonggyu Min (Chungbuk National Universtiy, Korea (South) & University of Electrical & Computer Engineering, Korea (South)); Jongseok Kim and Ohyun Jo (Chungbuk National University, Korea (South))
Oral Session - 5A	Feb/19 (Wed)	15:40 - 17:20	Information and Communication Technology II	AI-Driven Conversational Voice Communication for Maritime Autonomous Surface Ships	Sanha Kim and Jaebin Ku (Chungnam National University, Korea (South)); Eunkyoo Lee (Samsung Heavy Industries, Daejeon, Korea, Korea (South)); Umar Zaman (Chungnam National University, South Korea, Korea (South)); Kyungsup Kim (Chungnam National University, Korea (South))
				Metric-Driven Similarity Indices: Redefining Spectral Distance Comparisons in Hyperspectral Data	Jungkwon Kim, Jihoon Jung, Jungi Lee, Kwangsun Yoo and Seok-Joo Byun (Elroilab, Korea (South))
				Enhancing Autonomous Ship Communication: A Cost-Effective and High-Accuracy LLM Framework Using Decision Trees and RAG	Jaebin Ku and Sanha Kim (Chungnam National University, Korea (South)); Eunkyoo Lee (Samsung Heavy Industries, Daejeon, Korea, Korea (South)); Umar Zaman (Chungnam National University, South Korea, Korea (South)); Kyungsup Kim (Chungnam National University, Korea (South))
				Quantifying the Effectiveness of Cloud and Edge Offloading: An Optimization Study on Energy Efficiency of Mobile Real-Time Systems	Gahyeon Kwon and Hyokyung Bahn (Ewha University, Korea (South))
				Continuous Adversarial Text Representation Learning for Affective Recognition	Seungah Son (Korea Advanced Institute of Science & Technology, Korea (South)); Andres Saurez and Dongsoo Har (KAIST, Korea (South))
				The Finding of the Defects of an 6G Array Antenna Using Deep Learning Programs	Bae Jinwoo, Sanghyun Yun, Woogon Kim, Jaewon Koh, Hongsik Park and Sungtek Kahng (Incheon National University, Korea (South))
Oral Session -	Feb/19 (Wed)	15:40 - 17:20	Blockchain and	Blockchain and AI-Enabled Trust Management Model for Internet of Vehicles	Mahalinoro Razafimanjato, Haishan Yang, Seri Park, Sunghyun Kim and Dongkyun Kim (Kyungpook National University, Korea (South))
				Trustworthy Battery Management: A Digital Twin Approach Leveraging XAI and Blockchain	Judith Nkechinyere Njoku (Networked Systems Laboratory, Korea (South)); Cosmas Ifeanyi Nwakanma (West Virginia University, USA); Jae Min Lee and Dong Seong Kim (Kumoh National Institute of Technology, Korea (South))
				Revolutionizing Healthcare Supply Chains with a Blockchain Framework for NFT-Based Product Certification and Inventory Management	Chigozie Athanasius Nnadikekw, Ikechi Saviour Igboanusi, Jae Min Lee and Dong Seong Kim (Kumoh National Institute of Technology, Korea (South))

5B	(Wed)	17:20	application	Enhancing IIoT Security Using Hybrid CNN-BiLSTM Models with Blockchain Integration	Jonathan Mukisa Kalibbala (Kumoh National Institute of Technology, Gumi, Korea (South)); Love Allen Chijioke Ahakonye, Dong Seong Kim and Jae Min Lee (Kumoh National Institute of Technology, Korea (South))
				Goal-conditioned Reinforcement Learning Approach for Autonomous Parking in Complex Environments	Taeyoung Kim and Taemin Kang (Korea Advanced Institute of Science and Technology, Korea (South)); Seungah Son (Korea Advanced Institute of Science & Technology, Korea (South)); Kuk Won Ko (Halla University, Korea (South)); Dongsoo Har (KAIST, Korea (South))
Oral Session - 5C	Feb/19 (Wed)	15:40 - 17:20	Detection, Decision, and Control III	Efficient Video Super-Resolution via Two-Step 2D SR and Image-to-Image Conditional Generation	Yuya Masuda, Shunta Shimizu and Hiroshi Ishikawa (Waseda University, Japan)
				Explainable Network Anomaly Detection with GraphSAGE and SHAP	Jihoon Lee, Seungmin Oh, Jaeho Song and Juhyeon Noh (Chonnam National University, Korea (South)); Minsoo Hanh (Astana IT University, Kazakhstan); Jinsul Kim (Chonnam National University, Korea (South))
				Research on Enhancing Classification and Coreset Selection with KNN based Framework	Junyeong Lee (Kyungpook National University, Korea (South) & IT University, Korea (South)); Dong Seog Han and Sin Jae Kang (Kyungpook National University, Korea (South))
				Improving Intelligent Fault Diagnosis with Semantic Segmentation for Industrial Applications	Byeong Jun Park and Dong Seog Han (Kyungpook National University, Korea (South))
				AIoT Platform of Accident Prevention in Alley Environments	Sung Hyun Oh and Jeong Gon Kim (Tech University of Korea, Korea (South))
				Artificial Intelligence Network Construction Analysis in Rural Areas for FTTX Equal Distribution Model of Internet Access	Himawan Nurcahyanto (Telkom University & PT. Telkom Indonesia (Tbk), Indonesia); I Dyah Irawati (Telkom University & Institut Teknologi Bandung, Indonesia); Gunadi Dwi Hantoro (Indonesia University, Indonesia)
				Graph Theoretical Analysis of EEG-Based Functional Connectivity During Visuo-Haptic Interactions in Virtual Environments	Hayeon Yoon, Tae Seong Kim, Juyeon Jung, Junggeun Ahn, Tack Woo and Won Hee Lee (Kyung Hee University, Korea (South))
Poster Session - P2	Feb/19 (Wed)	15:40 - 17:20	AI Application II	Real-Time Optimization and Lightweight Architecture of Face Detection Models for Embedded Systems	Min Ki Son (Soonchunhyang University, Korea (South)); Seongkeun Park (Soonchunhyang, Korea (South))
				A Dynamic Linking Framework for Efficient QEMU Peripheral Development and Maintenance	Gihyeon Jeon (Kyungpook National University, Korea (South)); Daejin Park (Kyungpook National University (KNU), Korea (South))
				Solar-powered speed display system using image-based speed detection on an edge AI camera	Jang Woon Baek (ETRI, Korea (South))
				Pitch Encoder-Based Zero-Shot Voice Conversion for Improving Speech Quality	Hwa-young Park (Gwangju Institute of Science and Technology, Korea (South)); Chae-Woon Bang (Gwangju Institute of Science and Technology (GIST), Korea (South)); Chanjun Chun (Chosun University, Korea (South)); Hong Kook Kim (Gwangju Institute of Science and Technology (GIST), Korea (South))
				Enhancing Contextual Understanding with Multimodal Siamese Networks Using Contrastive Loss and Text Embeddings	Andro Aprila Adiputra, Ahmada Yusril Kadiptya, Thi-Thu-Huong Le, Jun Young Son and Ho Won Kim (Pusan National University, Korea (South))
				PPO Framework for Efficient Freight Dispatch in Dynamic Logistics Environments	Ji-Hyeon Kim, Soon-Young Kwon and Hyoung-Nam Kim (Pusan National University, Korea (South))
				A Study on the drip irrigation system based on CWIS for open-field fruit trees	Kyeong Il Ko (SunChon National University, Korea (South)); Hyun Yoe (Sunchon national University, Korea (South)); Meong Hun Lee (SunChon National University, Korea (South))
				A Study on the Design of a Cooling System for Windowless Pig Houses Utilizing Rainwater	Hyun Jun Kim (Sunchon National University, Korea (South)); Meong Hun Lee (SunChon National University, Korea (South)); Hyun Yoe and Lee Ji Eun (Sunchon National University, Korea (South))
				Research on renewable energy conversion system utilizing harmful gases in poultry farms	Seung Jae Kim (Sunchon National University, Korea (South)); Hyun Yoe (Sunchon national University, Korea (South)); Meong Hun Lee (SunChon National University, Korea (South)); Kyeong Min Jang (Sunchon National University, Korea (South))

				Navigating h-space for Multi-Attribute Editing in Diffusion Models	Jinhyeong Park, Muhammad Shaheryar, Seangmin Lee and Soon Ki Jung (Kyungpook National University, Korea (South))
				Enhancing Induction Motor Reliability Through Advanced Feature Selection and Diagnostic Models in Low-Load Conditions	Chibuzo Nwabufo Okwuosa and Jang-Wook Hur (Kumoh National Institute of Technology, Korea (South))
				A Multimodal Framework for MODT Using Enhanced Correlation-Based Affinity Metrics in Autonomous Driving	Muhammad Adeel Altaf (Kyungpook National University, Daegu, South Korea, Korea (South)); Min Young Kim (Kyungpook National University, Korea (South))
				Kalman Filtering for Feedback Sensor Noise Causing Problem with PID Control's Derivative Action	Pyung Soo Kim (Tech University of Korea, Korea (South))
				Rice Seed Varieties Classification at Various GPS Locations	Sungkeun Lee and Ohnmar Khin (Sunchon National University, Korea (South))
				LSTM_Based_Network_Intrusion_Detection_System_and_Solving_Data_Imbalance_Problem_through_GAN	Hae-Won Jeong, Yoon-Ho Choi and Hyeong-Geon Kim (Pusan National University, Korea (South))
				Automated tomato harvesting system using AI	Park Daehan (Sunchon National University, Korea (South)); Hyun Yeo (Suncheon, Korea (South)); Hwa Yeong Shin (Sunchon National University, Korea (South)); Meong Hun Lee (SunChon National University, Korea (South))
				Development and Analysis of Multi-WPAN Protocol-Based IoT Network Implementation	Seonghyeon Park and Suk Chan Kim (Pusan National University, Korea (South))
Oral Session - 6A	Feb/20 (Thu)	09:10 - 10:30	Medical Diagnosis and eHealth I	STMFNet: Spatial Texture Multi-Scale Feature Fusion Attention Network for Diabetic Retinopathy Classification	Md ilias Bappi, Md Monir Ahammod Bin Atique and Kyungbaek Kim (Chonnam National University, Korea (South))
				Rendering 3D CT Scans through 3D Gaussian Splatting Initialized with Points Sampled by Cube-based Neural Radiance Fields	Sanghyuk R Choi, Chanhoe Gu, Sun Jae Baek and Minhyeok Lee (Chung-Ang University, Korea (South))
				COVID-19 Policies and Payment Delays: Panel Data Insights from Korea's Food Industry	Minkyoung Kim, Gun Il Kim, Yo Han Lee and Beakcheol Jang (Yonsei University, Korea (South))
				Study on digital twin computing for predicting general road traffic volume	Mikiko Sode Tanaka (National Institute of Technology, Niihama College, Japan)
				Biological Validation of Attribute Classification of Cell Nuclei in Three-dimensional Myocardial Tissue Images of Mice	Takamitsu Araki (Kumamoto University, Japan); Y. Arima (Second Affiliated Hospital of Xinxiang Medical University, Muye District, Xinxiang City, No 388, Jianshe Road, 453002, China); Masahiro Migita and Masashi Toda (Kumamoto University, Japan)
Oral Session - 6B	Feb/20 (Thu)	09:10 - 10:30	Information and Communication Technology III	Transfer Learning Based Intrusion Detection System using Gramian Angular Field for Connected Vehicles	Muhammad Anwar Shahid, Arunita Jaekel and Ning Zhang (University of Windsor, Canada); Tim Allsopp (Telus Communications Inc., Canada)
				Image Features Reordering and Adjustment to Mitigate the Transferability Effect of Adversarial Attacks for Autonomous Driving Cars	Ahmad Fakhr Aldeen Sattout and Ali Chehab (American University of Beirut, Lebanon)
				Severity Prediction Based on Connectivity of Vulnerability Information via Related Product Information	Wataru Hiraiwa, Hiroki Kuzuno, Makoto Takita, Thin Tharaphe Thein and Yoshiaki Shiraishi (Kobe University, Japan)
				IO patterns-aware and dynamic scheduling based data placement in hybrid storage system	Lei Yan (Jinan Inspur Data Technology Co. Ltd., China); Wenguo Liu, Xuesheng Li, Nan Su and Haijun Zhang (Inspur, China); Zaigui Zhang (Inspur Electronic Information Industry Co Ltd, China); Dong Zhang (Inspur Electronic Information Industry Co., Ltd, China)
				Exploratory Data Analysis for AI-based Channel Selection for Stable Coastal Maritime Wireless Communications in Emergency Situations	Shrutika Sinha (Kookmin University, Seoul, South Korea, Korea (South)); Sun-Ho Yum and Soo-Hyun Park (Kookmin University, Korea (South))
Oral Session -	Feb/20 (Thu)	09:10 - 10:30	Wireless Communication	Receive Polarization-Combined Space Shift Keying with Att-LSTM Detector for RIS-Aided Communications	Yuyan Liu, Chaorong Zhang, Benjamin Ng and Chan-Tong Lam (Macao Polytechnic University, Macao)
				Performance of Joint Channel Estimation and Spreading Sequence Detection for DSSS Systems	Seungjun Oh (University of Hanyang, Korea (South)); Hichan Moon (Hanyang University, Korea (South))
				Estimation of Normalized DSM from Single Satellite Imagery Using Deep Learning	Dongyeob Han (Chonnam National University, Korea (South))

6C			tion III	Environment-aware AoD and AoA Prediction for Wireless Networks Utilizing Machine Learning	Mo Mo and Yiyang Pei (Singapore Institute of Technology, Singapore); Sumei Sun (Institute for Infocomm Research, Singapore); A. Premkumar (University of Malaya, Malaysia); Neelakantam Venkatarayalu and Sudhakara Rao Yepuri (Singapore Institute of Technology, Singapore)
				Slotted Aloha Protocol Delay in Maritime Systems	Andrej Stefanov (IBU Skopje, Macedonia, the former Yugoslav Republic of)
Oral Session - 6D	Feb/20 (Thu)	09:10 - 10:30	Application for Information Systems II	Detecting Mango Leaf Diseases Using Google Teachable Machine for Sustainable Agriculture	Melodia D. Pahati (Technological University of the Philippines - Manila); Luigi Carlo M De Jesus (Asia Pacific College, Philippines & De La Salle University - Manila, Philippines); Ryan Reyes (Technological University of the Philippines, Philippines); Juan Miguel Villaruel (National University, Philippines); Maila Angeles (National University (NU), Philippines)
				Predicting Port Congestion at Busan Port Using Machine Learning Algorithms and Temporal Variables	SangHyun Ha (Dong-Eui University, Korea (South)); Ki-Hwan Kim (Dongeeui University, Korea (South)); Young-Jin Kang, Kim Ji Yeon and Seok Chan Jeong (Dong-Eui University, Korea (South))
				Differentially Private Synthetic Adversarial Network Traffic Generation Based on Tabular Diffusion Processes	Minjae Kang, Gunhee Cho, Sungju Yun and Yeonjoon Lee (Hanyang University, Korea (South))
				Decomposed Degradation Pattern Alignment for Domain Adaptation in Machine Remaining Useful Life Prediction	Byoung-mo Koo (Korea University, Korea (South)); Yunseon Byun (Korea University, Republic of Korea, Korea (South)); Jun-Geol Baek (Korea University, Korea (South))
				Federated Learning with Social Data Sharing	Mahran Jazi and Ilai Bistriz (Tel Aviv University, Israel); Nicholas Bambos (Stanford University, USA); Irad Ben-Gal (Tel-Aviv University, Israel)
Oral Session - 7A	Feb/20 (Thu)	13:30 - 15:30	Medical Diagnosis and eHealth II	Advancing Skin Cancer Detection: Integrating Attention-Driven Transfer Learning and Autoencoder-Decoder Fusion	Su Myat Thwin and Hyun-Seok Park (Ewha Womans University, Korea (South))
				Enhanced Diffusion Model with Multi-level Embeddings for Medical Image Data Augmentation in Skin Disease	MuJung Kim, Jisang Yoo and Soon Chul Kwon (Kwangwoon University, Korea (South)); Byung Jun Kim (Seoul National. University Hospital, Korea (South)); Changsik John Pak (Asan Medical Center, Korea (South)); Chong Hyun Won (Asan Medica Center, Korea (South)); Suk Ho Moon (Seoul St Marys Hospital, Korea (South)); Woo Jin Song and Han Gyu Cha (Soonchunhyang University Hospital, Korea (South)); Kyung Hee Park (The University of Suwon, Korea (South))
				Skeleton-based Muscle Activity Prediction during Manual Material Handling	Jaekyeong Moon (Yonsei University, Korea (South) & Korea Institute of Industrial Technology, Korea (South)); Jong Hyun Kim and Chang Gi Lee (Korea Institute of Industrial Technology, Korea (South)); Hyunchul Tae (KITECH, Korea (South))
				Enhancing Multiclass Teeth Segmentation with Advanced Attention Mechanisms	Muhammad Afnan GHafoor and Bumshik Lee (Chosun University, Korea (South))
				ISVAM: Inter-Slice Variation Attention Module for 2.5D Multi-Organ Segmentation in CT	Hyunji Lee, Jaeseok Jang and Yu Rim Lee (Kyungpook National University, Korea (South)); Sooyoung Park (Kyungpook National University School of Medicine, Korea (South)); Won Young Tak and Soon Ki Jung (Kyungpook National University, Korea (South))
				Handling Imbalanced Medical Dataset with Continuous Class Features using Improved Contrastive Learning	Jungwoo Bae and Jitae Shin (Sungkyunkwan University, Korea (South))
				Comparison of Machine Learning Models and NIHSS for Prognosis Prediction in Stroke Patients	Yeonwoo Noh, Yun-Young Chang and Sewon Jeon (Gachon University, Korea (South)); Minwoo Lee and Wonjong Noh (Hallym University, Korea (South))
				Improving Multi-Class Classification with Machine Learning and Meta-Heuristic Algorithms	Gawalee Phatai and Tidarat Luangrungruang (Sakon Nakhon Rajabhat University, Thailand)
				Low-Power High-Speed CNN Accelerator with Matrix Reordering Techniques for Small Footprint Memory Access	Hoseong Kim (Kyungpook National University, Korea (South)); Daejin Park (Kyungpook National University (KNU), Korea (South))

Oral Session - 7B	Feb/20 (Thu)	13:30 - 15:30	AI Foundation II	Deep Supervised with Fine-grained Feature Fusion Network for Cross-modal Retrieval	Jiwei Zhang (Wakayama University, Japan & System, Japan); Hirotaka Hachiya (Wakayama University, Japan)
				Enhanced Super-Resolution Using Cross Attention: Refining HMA for Local Image Restoration	Yuya Masuda (Waseda University, Japan)
				Stock Price Prediction Using Transformer and Time2Vec	Jae Yoo Lee and Seong Joon Yoo (Sejong University, Korea (South))
				LSEBMCL: A Latent Space Energy-Based Model for Continual Learning	Xiaodi Li (The University of Texas at Dallas, USA); Dingcheng Li (Coupang, USA); Rujun Gao (Texas A&M University, USA); Mahmoud Zamani (The University of Texas at Dallas, USA); Latifur Khan (University of Texas, USA)
Oral Session - 7C	Feb/20 (Thu)	13:30 - 15:30	Application for Information Systems III	Is Client Unlearning Really Necessary in Federating Learning?	Alessio Mora and Paolo Bellavista (University of Bologna, Italy)
				A Distributed Content Subscription Mechanism with Revision Discovery to Decouple Content Sharing Platform and Creator ID	Zhihai Zhu (The University of Tokyo, Japan); Ye Tao and Manabu Tsukada (the University of Tokyo, Japan); Hiroshi Esaki (The University of Tokyo, Japan)
				Insights from a Spatiotemporal Analysis of Top-Performing Bangkok Taxis	Sooksan Panichpapiboon (King Mongkut's Institute of Technology Ladkrabang, Thailand); Kaiden Semapakdi-Chang (United Lisbon International School, Portugal)
				Exploring Image-Based Approaches for Effective Synthetic Time-Series Data Generation	Sangwon Oh, Seungmin Oh and Doyeon Kim (Chonnam National University, Korea (South)); Minsoo Hanh (Astana IT University, Kazakhstan); Junghoon Lee and Jinsul Kim (Chonnam National University, Korea (South))
				Reference-based anime line art colorization by region correspondence using region features	Daisuke Nanya and Kouki Yonezawa (Meijo University, Japan)
				Harnessing Machine Learning for Predictive Insights in Mobile Banking: A Malaysian Perspective	Hui Shan Lee, Kee Seng Kuang, Sia Bik Kai and Kok Chin Khor (Universiti Tunku Abdul Rahman, Malaysia)
				SpatioTemporal Approach of Transformer-Based Satellite Orbit Determination Model	Jae Yoo Lee and Seong Joon Yoo (Sejong University, Korea (South))
Oral Session - 7D	Feb/20 (Thu)	13:30 - 15:30	Information and Communication Technology IV	Pedestrian Avoidance Simulation by Deep Reinforcement Learning Using Webots	Chalumpol Trararak (The University of Electro - Communications, Japan & UEC Port Dorm. Tomodachi, Japan)
				An Optimal 5G MEC System Deployment Approach for Smart Construction Sites	Shi-Yu Zhang, Zhen-Yin Annie Chen and Chun-Cheng Lin (National Yang Ming Chiao Tung University, Taiwan)
				Deep Reinforcement Learning Approach for EV Charger Control under Load Variation	Youngwoo Lee (Hanyang University ERICA, Korea (South)); Keunhoon Park and Seojun Kim (Hanyang University, Korea (South))
				Advanced Virtual Network Embedding: Combining Graph Attention Network and DRL for Optimal Resource Utilization	Ihsan Ullah and Qaisar Ali (Yuan Ze University, Taiwan); Muhammad Ashraf (University of Information Technology Engineering and Management Sciences, Pakistan); Youn-Hee Han (Korea University of Technology and Education, Korea (South))
				Federated-Learning-Based Wireless Traffic Prediction	Feng Li (Nanyang Technological University, Singapore); Xiaona Chen (Zhejiang Gongshang University, China); Kwok-Yan Lam and Bowen Shen (Nanyang Technological University, Singapore); Li Wang (Dalian Maritime University, China)
				IoT Station for Health Monitoring in Underground Mining Using Compressive Sensing Architecture	Ida Wahidah (Telkom University, Indonesia); Hasbi Ash Shiddieqy (Telkom University & Center of Excellence Sustainable Energy and Climate Change, Indonesia); Alwan Wafi and Asoka Ramli (Telkom University, Indonesia)
				CarKoto: An AI-Powered Platform for Transparent and Precise Used Car Price Prediction in Bangladesh	Raiyan Rafsan (North South University, Bangladesh); Maher Ali Rusho (University of Colorado, Boulder, USA); Jarif Ahsan, Rahimul Haque Afrad, Ahmed Faizul Haque Dhrubo, Md. Khurshid Jahan, and Mohammad Abdul Qayum (North South University, Bangladesh)

Oral Session - 8A	Feb/20 (Thu)	15:40 - 17:40	Medical Diagnosis and eHealth III	Healthcare Chatbot for slowing the Progression in Chronic Kidney Disease Stage 3 patients	Pattanapong Chantamit-O-Pas (School of Information Technology, Thailand & King Mongkut's Institute of Technology Ladkrabang, Thailand); Chutima Chantamit-O-Pas and Panicha Ponpinij (Burapha University, Thailand); Noppawit Sutthiwichienchot and Nattapong Klansuwan (King Mongkut's Institute of Technology Ladkrabang, Thailand); Suphitsara Kulsuwan (Burapha University, Thailand)
				Enhanced Retinal-Choroidal Disorders Classification Model via Temporal Sequence Analysis of OCT Images across Multiple Lines of Fovea	Kwankhao Tangprasert, Pitchaya Wiratchotisatian, Panita Khakhai, Wipada Laovirojjanakul and Sarun Paisarnsrisomsuk (Khon Kaen University, Thailand)
				Artificial Intelligence in Cancer Detection: A Neural Network Approach to Differentiating Malignant and Benign Cells	Nick Sota (Mountain Lakes, USA)
				Enhancing Diabetes Diagnosis and Complications Prediction with Automated Machine Learning in a Clinical Decision Support System	Chih-Hsuan Huang, Yen-Chun Chen, Chun-Hsiang Liang, Li-Chien Tang, Cheng-Hsien Lin, Eric Hsiao, Fu-Der Mai (Taipei Medical University, Taiwan)
				Exploring Breast Cancer Risk Factor through Machine Learning Algorithm: Random Forest Classification	Demara H Dewi (Sepuluh Nopember Institute of Technology, Indonesia); Achmad Choiruddin (Institut Teknologi Sepuluh Nopember Surabaya, Indonesia); Desak Gede Agung Suprabawati (Universitas Airlangga, Indonesia)
				Deep Learning-Based Diagnostic Framework for Colorectal Cancer Using Histopathological Images	Ashif Al Nayem Zeesan, Sadri Islam, Abrar Fahim, Md. Ahasanul Adib and Md Touhidul Islam (Islamic University of Technology, Bangladesh); Fardin Sabahat Khan (University of Delaware, USA)
				A Custom Monkey Algorithm hybridized with GIS for location-allocation of COVID Centers	Manar Abu Talib and Sohail Abbas (University of Sharjah, United Arab Emirates); Qassim MH Nasir (University Of Sharjah, United Arab Emirates); Essa Basaeed (Dubai Police, United Arab Emirates); Mohammed Al-Haidary (Universiyt of Sharjah, United Arab Emirates)
Oral Session - 8B	Feb/20 (Thu)	15:40 - 17:40	Image Processing and Multimedia I	Zero-Shot Image Inpainting using Pretrained Latent Diffusion Models	Yusuke Kakinuma (Chiba Institute of Tecnolozy, Japan); Takamichi Miyata (Chiba Institute of Technology, Japan); Kaito Hosono and Hirotsugu Kinoshita (Kanagawa University, Japan)
				DHR-CLIP: Dynamic High-Resolution Object-agnostic Prompt Learning for Zero-shot Anomaly Segmentation	Jiyul Ham and Jun-Geol Baek (Korea University, Korea (South))
				Local-level Feature Aggregation with Attribute Anchors for Text-Guided Image Retrieval	Chan Hur (Korea, Kyungpook National University, Korea (South) & Kyungpook National University, Korea (South)); Hyeeyoung Park (Kyungpook National University, Korea (South))
				HiClassGen: High-Resolution Image Augmentation with Class and Shape Controllable Diffusion Models	Md Tayeb Adnan, Jae Min Lee and Dong Seong Kim (Kumoh National Institute of Technology, Korea (South))
				State Space Model Based VideoMAE Enhancement for Efficient Video Action Classification	Junbeom Moon and Sehwan Heo (Kyungpook National University, Korea (South)); Jiye Won (Kyungpook National University, Korea (South), Korea (South)); Jaeseok Jang and Soon Ki Jung (Kyungpook National University, Korea (South))
				Accurate 3D Tooth Segmentation via Skeleton and Centroid Guidance in CBCT Imaging	Muhammad Asif Jamal and Bumshik Lee (Chosun University, Korea (South))
				Minutiae-Informed Contrastive Learning for Fingermark Recognition	Lara Anžur (University of Ljubljana, Slovenia); Peter Peer (University of Ljubljana, Faculty of Computer and Information Science, Slovenia); Tim Oblak (University of Ljubljana, Slovenia)
				BemaGANv2: A Vocoder with Superior Periodicity Capture for Long-Term Audio Generation	Taesoo Park, Mungwi Jeong, Mingyu Park, Narae Kim, Junyoung Kim, Dohyun Park, Soon Chul Kwon and Jisang Yoo (Kwangwoon University, Korea (South)); Hoyun Lee (Ewha Womans University, Korea (South)); Sanghoon Kim (KyungHee University, Korea (South))

Oral Session - 8C	Feb/20 (Thu)	15:40 - 17:40	Application for Information Systems V	Real-time Traffic Analysis Using Vehicle Trajectory Similarity in Edge Computing	Jae-Geun Jang, Jlnuk Jung, Seonhyeong Kim, Ayoung Choi and Young-Woo Kwon (Kyungpook National University, Korea (South))
				Enhanced Communication Efficiency in Nanosatellite FSO Systems Using Pointing Error Optimization	HYE MIN Park, Young-Jin Hyun and Sang-Kook Han (Yonsei University, Korea (South))
				Evaluation of Deep Learning Approaches for Pitch Scoring in Piano Practice and Performance	Juthakan Mekkoktanphira and Priyakorn Pangwapee (King Mongkut's Institute of Technology Ladkrabang, Thailand); Nat Dilokthanakul (King Mongkuts Institute of Technology Ladkrabang, Thailand); Sirasit Lochanachit, Praphan Pavarangkoon and Nont Kanungsukkasem (King Mongkut's Institute of Technology Ladkrabang, Thailand)
				Cyclic Pattern-based Anomaly Detection in Smart Manufacturing Systems using Contrastive Learning	Wonhwa Choi and Jun-Geol Baek (Korea University, Korea (South))
				Optimizing ERP Deployment with Intelligent Tutoring	Santo Fernandi Wijaya, Jansen Wiratama and Ririn Desanti (Universitas Multimedia Nusantara, Indonesia)
Oral Session - 8D	Feb/20 (Thu)	15:40 - 17:40	Robotics	Development of a Multi-Class Dress Code Detection System Utilizing RoboFlow Object Detection Model v3	Juan Miguel Villarroel (National University, Philippines); Luigi Carlo M De Jesus (Asia Pacific College, Philippines & De La Salle University - Manila, Philippines); Melodia D. Pahati (Technological University of the Philippines - Manila)
				Multi-agent AMIX-DAPG of Dual-arm Robot for Long-Horizon Lifecare Tasks	Hwanseok Jung, Jiheon Oh, Ismael Espinoza Jaramillo, Danbi Jung, Won Hee Lee and Tae-Seong Kim (Kyung Hee University, Korea (South))
				Simulating Mobile Robot Vision: An Analysis of RGB-D versus RGB-Based Distance Accuracy and CPU Optimization	Minseok Kong (Sogang University, Korea (South)); Jiho Park (Dongguk University, Korea (South)); Daye Lee (Seoul National University, Korea (South)); Nikolaos Kourtzanidis (Cyberworks Robotics, Canada); Jungmin So (Sogang University, Korea (South))
				A Low-Cost Robotic Docking System with Monocular Camera and ArUco Markers	Jun Seok Oh and Min Young Kim (Kyungpook National University, Korea (South))
				Command Feedback System based on Context Awareness for Minimizing Control Error in Human-Robot Interaction	Yong Taein, Kim Pyong joo, Juyeon Weon, Yonghyun Kwon and Jaeho Kim (Sejong University, Korea (South))
				Study on Platooning, Traffic Light Recognition, and PID-Based Path Control for Autonomous Robots	Hyun Seo Jeong, Eun Ju Jeong, Seo Yeon Kim and Eunkyung Kim (Hanbat National University, Korea (South))
				Multimodal Feature Fusion for Deep Reinforcement Learning-based Mobile Robot Navigation	Zhiyuan Nan and Haewoon Nam (Hanyang University, Korea (South))
Oral Session - 9A	Feb/21 (Fri)	09:20 - 11:00	Transportation and Logistics	PMV-Based Thermal Comfort Assessment Methodology Using Driving Data from xEV Vehicles	Chanhee Lee (Soonchunhyang University & Machine Intelligence Lab, Korea (South)); Seongkeun Park (Soonchunhyang, Korea (South))
				Platform based DL Applications design: Autonomous Vehicles case study	Benaoumeur Senouci (North Dakota State University, USA); Aly Ahmed Allam (University of Southern Denmark, Denmark)
				BiLSTM-based VAE-GAN for Predicting Future Road States in Autonomous Driving	Donghyun Kim (Hanyang University, Korea (South)); Jaerock Kwon (University of Michigan - Dearborn, USA); Haewoon Nam (Hanyang University, Korea (South))
				Enhancing Level 5 Autonomous Driving: With Multi-Model integration and Real Time Prioritization	Hurair Mohammad and Junghee Han (Korea Aerospace University, Korea (South))
Oral Session - 9B	Feb/21 (Fri)	09:20 - 11:00	Image Processing and Multimedia II	A Generative Adversarial Network with Attention Modules for Underwater Image Enhancement	Herng-Hua Chang and Kuan-Yin Chen (National Taiwan University, Taiwan)
				Enhancing Real-Time Multi-Object Tracking with Pillar-Based Models: Integration of Class Information and BiFPN Neck	Haneul Moon (Soonchunhyang University, Korea (South)); Seongkeun Park (Soonchunhyang, Korea (South))
				Investigating Domain Adaptation Feasibility for Drone Detection: A CPU-based YOLO Approach using RGB-Infrared Images	Warakorn Luangluewut (Defense Institute Technology, Thailand); Kittakorn Viriyasatr and PiyaRose Maleecharoen (Defence Technology Institute, Thailand); Phunsak Thiennviboon and Teerasit Kasetkasem (Kasetsart University, Thailand)
				Machine Learning-Enhanced Standard Deviation to Detect and Handle of Outlier in the 3D Point-Cloud Data	Mohammad Rasoul Tanhatalab (Trento University, Italy); Manuel Forrer (ferrisol Co, Austria); Michael Nelz (Nelo Intelligence, Germany)

				Adaptive ROI Encoding and Caching for Video Surveillance Streaming	Yung-Shun Chuang and Hsu-Feng Hsiao (National Yang Ming Chiao Tung University, Taiwan)
Oral Session - 9C	Feb/21 (Fri)	09:20 - 11:00	LLM and Language + AI II	DrAgent: An Agentic Approach to Fault Analysis in Power Grids Using Large Language Models	Barun Kumar Saha and Aarthi V (Hitachi Energy, India); Od Naidu (Grid Automation R&D, Hitachi Energy, India)
				Fine-Tuning Transformer LLMs for Detecting SQL Injection and XSS Vulnerabilities	Thi-Thu-Huong Le, Andro Aprila Adiputra, Yeonjeong Hwang, Jun Young Son and Ho Won Kim (Pusan National University, Korea (South))
				LLM-RAG for Financial Question Answering: A Case Study from SET50	Naphattha Chinaksorn and Dittaya Wanvarie (Chulalongkorn University, Thailand)
				Optimizing LLM prompts for Automation of Network Management: A User's Perspective	Vishnu Komanduri, Sebastian Estropia, Scott Alessio, Gokhan Yerdelen, Tyler Ferreira and Geovanny Palomino Roldan (New Jersey Institute of Technology, USA); Ziqian Dong (New York Institute of Technology, USA); Roberto Rojas-Cessa (New Jersey Institute of Technology, USA)
				Optimizing Communication and Performance in Federated Learning for Large Language Models	InSeo Song and KangYoon Lee (Gachon University, Korea (South))
				Federated Learning and RAG Integration: A Scalable Approach for Medical Large Language Models	Jincheol Jung, Jeong Hongju and Eui-Nam Huh (Kyung Hee University, Korea (South))
Oral Session - 9D	Feb/21 (Fri)	09:20 - 11:00	Application for Information Systems V	CRESO: CLIP-Based Referring Expression Segmentation for Object using Text Prompt	Subin Park, Zhigao Piao and Yeong Hyeon Gu (Sejong University, Korea (South))
				A Deep Dive into Vision Models: Comparing CNN and Transformer-Based Approaches for Pneumonia Detection	Md Saiful Islam Sajol (Louisiana State University, USA); Raisa Islam (New Mexico Tech, USA); A S M Jahid Hasan (North South University, Bangladesh); Mainul Kabir (New Mexico Institute of Mining and Technology, USA)
				Exploring One-Shot GANs for Efficient Synthetic Flower Image Creation	Vandana S and Sugavanam Senthil (National Institute of Technology Karnataka, India); Narasimhadhan AV (NITK, India)
				Generation of Scene Graph and Semantic Image: A Review and Challenge Ahead	Huey-Ing Liu (Fu-Jen Catholic University, Taiwan); Shao-Kai Heish (Fu Jen University, Taiwan)