CyberSciTech/DASC/PICom/CBDCom 2024 Paper Presentation Timetable v1
Updated on 18/10/2024

Day 2 (Wednesday, 11/6)

Time	Parallel Sessions: Room A	Parallel Sessions: Room B	Parallel Sessions: Room C	Parallel Sessions: Room D
	GAI-Hyperl (4) #Contain 1P Online	**HIEMI (2) + PICom-WiP (2)**	**DASC-Regular (4)**	**CyberSciTech-WiP-Online (4)**
10:40 – 11:00	Leveraging ECG Signal for People Identification under Different Emotion States - Zhiying Huang; Yuang Meng; Ao Guo; Walid Brahim; Jianhua Ma	Architecting a Privacy-Aware IoT-Enabled Platform for Bathers Monitoring in Beach Resort: A Case Study - Giovanni Campo; Davide Camemolla; Mario Di Raimondo; Corrado Santoro; Federico Fausto Santoro	Wiki-IoT: Registering and Evaluating the Security and Resilience of Internet of Things and Connected Devices Using a Collaborative Platform - Jean Decian; Fehmi Jaafar	(Online) Representation Learning for Complex Networks - Shiyu Chen; Jun Hou
11:00 – 11:20	Paradigm Shift in Foreign Language Teaching Practices in the Age of AI - Case Studies of Chinese and Japanese Learners - Xiaolin Wu; Shuliang Zhu; Jinjia Zhou; Raymond Yao	A Comprehensive System for Indoor Assistance and User Interaction - Francesco Cauteruccio; Miriana Russo; Corrado Santoro; Federico Fausto Santoro; Alessio Tudisco	Cybersecurity Domains: A Design Pattern for Creating Zero Trust Architectures through Microsegmentation - Claudio Zanasi; Mirco Marchetti; Michele Colajanni	(Online) Intelligent Task Offloading in IoT-Driven Digital Twin Systems via Hybrid Federated and Reinforcement Learning - Shivam Goyal; Sudhakar Kumar; Sunil K. Singh; Brij B. Gupta; Varsha Arya; Kwok Tai Chui
11:20 – 11:40	(Online) Sequence-Integrated Radiology Report Generation Leveraging Positional Encoding for Text and Images - Yizhi Pan; Kai Li; Han Shu; Jinghao Wu; Feihe Shao; Jumyi Xin; Guanqun Sun	Estimating Performances of Application Deployment on Distributed IoT-Edge-Cloud Infrastructures - Fabrizio Marozzo; Aleandro Presta; Rosa Varchera; Andrea Vinci	Dynamic Allocation of Data Security in Wireless Sensor Networks Mohammed Zamshed Ali	(Online) Advanced Evaluation of Propagation Models and Routing Protocols in Vehicular Ad-Hoc Networks - Anmol Jaiswal; Sunil K. Singh; Sudhakar Kumar; Kwok Tai Chui; Brij B. Gupta
11:40 – 12:00	(Online) A PSO-CNN-BiLSTM model for predicting Leaf Area Index - Wang Dong; Zhou Guoyuan; Jinglue Xu; Joao Eduardo Batista; Guo Jia; Hitoshi Iba	Graph Attention Network with LSTM for Smart Contract Vulnerability Detection - Kyungbin Jang; Hyunah Ra; Ikbeom Jang	Benchmarking Deep Learning Algorithms for Intrusion Detection IoT Networks - Enzo Hoummady; Fehmi Jaafar	(Online) SA-PSO Approach for Optimizing QoS Management in SDN Service Chains - Wen Ji; Chenhan Lin; Jiang Liu; Hongyang Xu; Liangjie Xu; Jun Hu

Lunch

Time	Room A	Room B	Room C	Room D
	CyberSciTech-Regular (5) Track 2 x 4p, Track 1 x 1p	**PICom-Regular (4) + PICom-WiP (1)**	**EDCSTA (5) #Contain 2P Online**	**CyberSciTech-Regular-Online (5) Track 1**
13:30 – 13:50	A Study on Adaptive Gradient Clipping Algorithms for Differential Privacy: Enhancing Cyber Security and Trust - SiMan Chen; Wei Liang	A Study on Consumer-Grade EEG Headsets in BCI Applications - Luigi Rizzo; Paolo Zicari; Franco Cicirelli; Antonio Guerrieri; Massimo Miceli; Andrea Vinci	Crew Management Support Application for Operation Managers and Boosting System Security - Toshihiro Uchibayashi; Chinasa Sueyoshi; Yoshihiro Yasutake; Hideyuki Satomura, Kentaro Inenaga	(Online) Attack Path Extraction Based on VGAE and DBSCAN - Zi Ang Lu; Lu Chen; Yong Li; Guang Xin Guo; Teng Yan Wang
13:50 – 14:10	Adversarial Evaluation of AI-Based Security Alert Screening Systems - Samuel Ndichu; Tao Ban; Takeshi Takahashi; Akira Yamada; Seiichi Ozawa; Daisuke Inoue	Comprehensive Analysis of Dog Emotions Using Skeletal and Visual Features - Chuan-Yu Chang; Jia-Yee Chia; Hui-Huang Hsu	VR-Mill: A Virtual Reality Trainer for Industrial Flour Mill - Lawrenze Earl Romaguera; Efren Tabuada; Stephanie Visitacion; Earl Ryan Aleluya; Stephen Haim; Francis Jann Alagon; Steve Clar; Arnel Zamayla; Cherry Mae G Villame	(Online) SarlBFT: Scalable Tree Communication Pattern BFT Protocol - Jianxin Yang; Xiaoding Wang; Hui Lin
14:10 – 14:30	Privacy-Preserving Parameter Aggregation Scheme Based on Two Leaders for Federated Learning - Weiyu Wang; Zhuotao Lian; Seiichi Ozawa; Daisuke Inoue	Seismocardiography-Inspired Heart Activity Monitoring Using FMCW Radar - Walid Brahim; Jianhua Ma; Muxin Ma; Yunlong Luo; Alex Qi; Yihong Qi	(Online) Congestion Prediction by Multimodal Learning of Audiovisual Data - Iori Ide; Yuki Toyosaka; Kai Cheng; Keisuke Abe	(Online) Lightweight IoT-Oriented Verifiable Computing Scheme in Cloud Computing Circumstance - Xintao Pei; Yuling Chen; Yun Luo; Zaidong Li; Jiangi Wei
14:30 – 14:50	Internet Security and Privacy Awareness Among College Students in the Philippines - Jim Alves-Foss; Baby Grace Llego	Subject-General and Subject-Specific Emotion Recognition Across Video Stimuli Using EEG Signals - Zhiying Huang; Ao Guo; Jianhua Ma	(Online) Investigating the Impact of COVID-19 Pandemic on Education by Learning Analytics - Keisuke Abe; Kai Cheng	(Online) Optimized Block-K Clustering for K Clustering and Blockchain Sharding Strategy Using Deep Reinforcement Learning - Tianci Chen; Lin Hui; Lizhao Wu; Xiaoding Wang
14:50 – 15:10	Fuzzy Logic-Based Deep Reinforcement Learning Pre-Training: A Case Study in MEC Task Offloading - Jiujie Zhang; Yangfei Lin; Zhaoyang Du; Wugedele Bao	Multimodal Sequential Deep Learning for Agitation Detection in People Living with Dementia - Shehroz S. Khan; Grant Lau; Bing Ye; Kristine Newman; Alex Mihailidis; Andrea Iaboni		

Coffee Break

Time	Room A	Room B	Room C	Room D
	CyberSciTech-Regular (3) Track5 x 3p + CyberSciTech-Regular-Online (2) Track 6 x 2p	**PICom-WiP (5)**	**EDCSTA (2) + ADSN (3)**	**CyberSciTech-Regular-Online (5) Track 2**
15:30 – 15:50	Detecting Characteristic Points in Breathing Cycles using FMCW Radar with Spirometer as Reference - Haotian Wang; Walid Brahim; Jianhua Ma; Muxin Ma; Alex Qi	Migrating WSN Applications from Monolithic to a Modular Approach Based on the tinyDSM Middleware: Scenarios and Analysis - Jakub Maj; Krzysztof Piotrowski; Przemyslaw Zielony	Smart Parking: Detecting Vacant Spots from an Angled Viewpoint - Jan Leven Sayson; Alfa Valdehueza; Mac Jiem Maghanoy; Perly Rica Flores; Stephen Haim; Francis Jann A Alagon; Stephanie Visitacion; Cherry Mae Villame; Steve Clar; Arnel Zamayla; Earl Ryan Aleluya	(Online) Network Intrusion Detection Algorithm Based on LightGBM Model and Improved Particle Swarm Optimization - Yican Geng; Haoyang Hu; Zhaoxuan Ge; Zhichao Lian
15:50 – 16:10	Autonomous Decision-Making in Roundabouts Using Deep Reinforcement Learning and Heuristics Rules - Haikuo Zhang; Weizhen Han; Haiyong Shi; Haiyang Feng; Jin Hu	A Computer Vision Algorithm for Path Planning in Mobile Robots - Federico Fausto Santoro; Corrado Santoro; Miriana Russo; Claudio Ruggieri	Message Routing Protocol for DTN based on Road Network Density - Kazuma Matsubara; Naohiro Hayashibara	(Online) Model Uncertainty Based Unsupervised Real-Time Drift Detection in Network Traffic Classification - Minyao Liu; Pan Wang;
16:10 – 16:30	Fake News Detection Based on Contrast Learning and Cascading Attention - Fu Li; Hui Zhang; Zhichao Lian; Shujuan Wang	Capturing Spatial Information for sEMG-Based Gesture Recognition Using Graph Attention Networks - Tong Xia; Feng Wang; Seiichi Kawata; Juan Zhao; Jinhua She; Daisuke Chugo	Early Detection of User Dynamics Overheating Through Frequency Analysis of Time-Series Data - Masaki Aida; Kazuki Nakajima; Chisa Takano	(Online) Model Comparison Based on Digital Decomposition for IoT Cloud Environments - Zaidong Li; Yuling Chen; Yun Luo; Xintao Pei; Yingqi Qin
16:30 – 16:50	(Online) Improved YOLOv5 for Pavement Patch Detection Using Deformable Convolution and Bidirectional Feature Pyramid Network - Xiaojing Wu; Bi Huang; Fei Dai; Shuai Wang; Xinzhuo Chai; Yueyu Dong	Reducing the Influence of Individual Variability in sEMG-Based Fatigue Detection Using Transfer Learning - Renwei Lin; Feng Wang; Seiichi Kawata; Juan Zhao; Jinhua She; Daisuke Chugo	Introducing Timer-driven Requesting Scheme to Segmented File Download Methods Using Parallel TCP/MPTCP Connections on Multiple Paths - Junichi Funasaka; Noriaki Hiraoka	(Online) Range Proof-based Noise Filtering Mechanism for IoT Differential Privacy - Jianqi Wei; Yuling Chen; Yun Luo; Zaidong Li
16:50 – 17:10	(Online) Millimetre-Wave Human Image Dangerous Object Detection Based on Faster R-CNN - Bo He; Yang Gao; Jing Cao; Weining Cai; Xin Ma; Xiaoyu Zhao; Zhichao Lian	Projected Quantum Kernel for IoT Data Analysis - Francesco D'Amore; Luca Mariani; Carlo Mastroianni; Jacopo Settino; Andrea Vinci	Bertrand's Paradox in Vertical Handover: A Probabilistic Analysis - Kenta Fukuhara; Sumiko Miyata; Masaki Aida	

Day 3 (Thursday, 11/7)

Time	Room A	Room B	Room C	Room D
	CyberSciTech-Regular (5) Track 3	**CyberSciTech-Regular (5) Track 4 x 4p, Track 1 x 1p**	**CyberSciTech-Regular-Online (5) Track 5**	**CyberSciTech-Regular-Online (5) Track 3 x 4p, Track 5 x 1p**
10:20 – 10:40	Leveraging Digital Twins and Generative AI for Effective Urban Mobility Management - Marzia Canzaniello; Sara Amitrano; Edoardo Prezioso; Fabio Giampaolo; Salvatore Cuomo; Francesco Piccialli	CDPP: A Crowdsensing Task Allocation Method Based On Diverse Participant Preferences - Zhaoxiang Xu; Zhiwen Yu; Zhaoxiang Huang; Lele Zhao; Ziyue Yu; Bin Guo	(Online) Research on Virtual Resource Scheduling Algorithm Based on Multi-Objective Optimization - Cheng Zhou; Xiaojuan Guan; Chen Wang; Wen Ji; Chenhan Lin	(Online) Short-term Solar Irradiance Forecasting Based on CNN-iTransformer Model - Chuan Wang; Hua Wang; Jian Bi; Ke Yan
10:40 – 11:00	Evacuation Guidance System Using UAVs of Multiple Types at Disaster - Kozaburo Ibuki; Noriaki Kamiyama	Money Adjustment Among ISPs Based on Cooperative Games for ICN Promotion - Masaki Ito; Noriaki Kamiyama	(Online) Model Extraction Attacks on Text-to-Image Generative Adversarial Networks - Ying Chen; Weihao Guo; Pingyuan Ge; Xiaoji Ma; Zhang Yu Qing	(Online) Addressee Selection for Multi-Party Conversations in Cyber-Physical-Social Systems - Xiaoming He; Yunzhe Jiang; Huajun Cui; Yinqiu Liu
11:00 – 11:20	Energy-Efficient Reliable Data Storage Service in Heterogeneous Crowdsensing - Zhaoxiang Huang; Zhiwen Yu; Zhijie Huang; Erhe Yang; Jiangyan Xu; Bin Guo	Assessing ChatGPT-Generated Comments for Video Content Viewing in Online Learning - Jiaqi Wang; Jian Chen; Qun Jin	(Online) Voltage Prediction of Electric Vehicle Based on Attention Mechanism CNN-GRU Model - Haiyang Feng; Weizhen Han; Haikuo Zhang	(Online) Enhancing Adversarial Patch Detection in Power Information Network Based on Discriminative Semantic Transformation Sequences - Hao Yu; Wei Sun; Jian Liu; Peng Gao
11:20 – 11:40	Motion Deblurring by Fusing Multi-Stage Image Features - Shihua Zhang; Fan He; Xun Shao	Bandwidth-Adaptive Semantic Communication System with Non-ROI Image Compression - Chao Wu; Celimuge Wu; Jiale Wu; Yangfei Lin; Zhaoyang Du; Ha Si; Wugedele Bao	(Online) Improving the Visual Quality of Adversarial Examples for Face Recognition Models - Yinzhao Zhang; Qianmu Li; Fan Liu	(Online) IoT Intrusion Detection using SDN Cloud-edge Collaboration and Ensemble Deep Learning - Yuhua Xu; Yan Li; Sun Zhixin
11:40 – 12:00	An Automated Memory Image Forensic Scheme for Linux Systems Based on Containerization Technology - Ruihao Chen; Hui Lin; Qingxin Lin; Hui Ju	Traffic Prediction by Integrating Multi-Cycle Features and Spatio-Temporal Correlations - Luange Nie; Benxiong Huang; Lai Tu	(Online) Stealthy Adversarial Patch for Evading Object Detectors Based on Multiple Maps - Ce Wang; Qianmu Li	(Online) Pavement Crack Detection Based on Channel Attention Mechanism - Guoxi Liu; Bi Huang; Xiaojing Wu; Li Yang; Fei Dai

Lunch

Time	Room A	Room B	Room C	Room D
	CyberSciTech-WiP (5)	**PICom-Regular (3) + PICom-Regular-Online (2)**	**DASC-Regular (4) + DASC-WiP (1)**	**CyberSciTech-Regular-Online (5) Track 4 x 4p, Track 2 x 1p**
13:30 – 13:50	Integrated Evaluation System for Intelligent Model - Xizhi Yang; Zhichao Lian	Traffic Classification for Network Slicing Using Machine Learning Techniques - Giselle Goiz; Claudio Miceli de Farias; Flávia Coimbra Delicato	Maximum Likelihood Prediction in Software Reliability Assessment - Tadashi Dohi	(Online) A Graph Neural Network with Imbalance-Aware Mechanism for Enhanced Fraud Detection - Yuhao Chen; Binbin Zhou; Zengwei Zheng; Jianhua Ma
13:50 – 14:10	Deep Knowledge Tracking Model Integrating Multiple Feature Personalization Factors - Yukun Wang; Xingjian Xu; Fanjun Meng	DiCE: Distributed Code Generation and Execution - Kunal Rao; Giuseppe Coviello; Srimat Chakradhar	A Novel Framework of Constructing on Water Pipeline Networks by Node Embedding Approach - Alvida Mustika Rukmi; Ary Mazharuddin Shiddiqi; Ahmad Saikhu and Muhammad Jefri Fransiska	(Online) Research Regarding Implementation in Industry Domain Based on Lexical Enhancement - Jingxin Zhao; Cuilan Liu; Caiyun Liu; Zhenxing Ni; Jiadong Ren; Zhang Yu Qing
14:10 – 14:30	Analysis of Business Model of Co-Creation Digital-Twin City Using Evolutionary Game - Kaito Kondo; Noriaki Kamiyama	Enhancing Robotic Systems Through a Distributed Multi-Agent Digital Twin Environment -Federico Fausto Santoro; Corrado Santoro; Miriana Russo; Giovanni Campo	A Pervasive, Efficient and Private Future: Realizing Privacy-Preserving Machine Learning Through Hybrid Homomorphic Encryption - Khoa Nguyen, Mindaugas Budzys, Eugene Frimpong, Tanveer Khan and Antonis Michalas	(Online) STFormer: Spatio-Temporal Transformer Network for Traffic Flow Prediction - Lecheng Li; Xinzhuo Chai; Fei Dai; Shuai Wang; Yueyu Dong; Bi Huang
14:30 – 14:50	FaceGuard: Enhancing Data Privacy through Selective Facial Anonymization in Public Events - Chalee Vorakulpipat; Aswat Chantawibul; Sathreanpong Jeungudomporn; Chanchai Techawatcharapaikul; Wachirapong Jirakitpuwapat	(Online) Prediction of Personal Exposure to PM2.5 Using a Network of Stationary and Wearable Air Quality Monitors - DK. Arvind	Leveraging Generative AI to Enhance Automated Vulnerability Scoring – Seyedeh Leili Mirtaheri and Andrea Pugliese	(Online) Deadlock Analysis of Microservice Systems with Bounded Buffers - Li Yang; Bi Huang; Xinzhuo Chai; Guoxi Liu; Xiaojing Wu; Fei Dai
14:50 – 15:10	Efficient Feature Extraction Model for Surveillance Systems Using Drone Imagery - Jehwan Choi; Youlkyeong Lee; Kang-Hyun Jo	(Online) Human-Centric Based Energy and Comfort Optimization in Cognitive Buildings: A Review - Irfanullah Khan; Antonio Guerrieri; Franco Cicirelli; A. Stephen McGough; Giandomenico Spezzano	Towards cryptographic agility manifesto in end-to-end encryption systems: a position paper from the perspective of crypto-consumers - Alexandr Silonosov and Lawrence Henesey	(Online) A Privacy-Preserving Across-Institution Archives Utilization Framework and Implementation - Weiwei Chen; Jinquan Zuo; Shuai Su; Chi Chen

Coffee Break

Time	Room A	Room B	Room C	Room D
	IoT-Life (6) #Contain 2P Online	**PICom-Regular-Online (3) + PICom-WiP-Online (3)**	**Cyber-IoT(3) + BigCyberSecurity (3) #Contain 3P Online**	**CyberSciTech-Regular-Online (2) Track 1 + CyberSciTech-WiP-Online (2) + CBDCom-Online (1)**
15:30 – 15:50	Analyzing the Impact of Effect Sounds on Real-World Human Emotions and Behaviors by Adding Effect Sounds to Human Actions - Xin Tong	(Online) Network-Based Analysis of Alzheimer's Disease Using ADNI-Derived Synthetic Connectomes - Carmela Comito; Annalisa Socievole	Delay-Tolerant Computation Offloading in Vehicular Networks based on Local Blockchain - Xin Liu; Rui Wang; Rui Xing; Donglan Liu; Fangzhe Zhang; Lili Sun	(Online) Node Betweenness Centrality Based Defense Strategy Against Topology Inference Threat: A Static Game Theoretical Perspective - Wenlei Zhong; Yu Jiang; Qinglin Yang; Chenlu Zhuansun; Yanbin Sun; Shen Su; Zhihong Tian; Yuan Liu
15:50 – 16:10	Impacts of Internet of Things (IoT) leveraging Radio Frequency Identification (RFID) and Internet Protocol (IP) on Business Continuity (BC) and Disaster Recovery (DR) - Nikhil Kumar Agarwal; Gurkiran Singh Batra; Dhrumik Mukeshbhai Patel; Eslam G. AbdAllah	(Online) Design and Implementation of a Flexible Mobile Edge Middleware for Multi-Protocol Wireless Connectivity - Tatiana Reimer; Luís Eduardo Talavera Rios; Millena Cavalcanti; Laércio Lucchesi; Markus Endler	(Online) Integrated Sensing and Communication for UAV Detection: A Reinforcement Learning-based - Yu Su	(Online) An Approach to Detecting Reentrancy Vulnerabilities in Interacting Smart Contracts Using Model Checking - Xinchao Chai; Bi Huang; Ning Liu; Guoxi Liu; Xiaojing Wu; Fei Dai
16:10 – 16:30	A New Smart Glasses-based Dual Authentication System via Signature Range Estimation Handwriting Behaviors Identification - Xiangyu Su; Siyu Xiong; Bo Wu	(Online) A Deep Learning Based Digital Twin for Indoor Temperature Prediction in Smart Buildings - Md. Babul Islam; Antonio Guerrieri; Raffaele Gravina; Giancarlo Fortino	(Online) A Trust Evaluation and Concept Drift-Based Approach for Dynamic APT Evasion Detection - Han Liu; Baoyu An; Yaoyao Yin; Xueyang Huo; Zhou Su; Yuntao Wang	(Online) Enhancing Adversarial Patch Effectiveness for Face Recognition Systems Using Sharpness-Aware Minimization - Wu Chenyu; Zhang Ting; Zhixiao Lian
16:30 – 16:50	Investigating Decentralized Management of Wearable Device Data for Health and Fitness - Tao Zhou; Tianle Hu; Hong Chen	(Online) Anomaly Identification and Classification of Network Traffic Using Optimized Machine Learning Approach - Vishwanath Eswarakrishnan; Priyanka Singla	Age of Information Dependent Grant-Free Communication - Yuanchen Wang; Kai Zhang; Yiliang Liu; Weilin Song; Jian Tang	(Online) Improved Multi-Objective Simulated Annealing Particle Swarm Algorithm for Siting and Capacity Sizing of Distributed Power Supplies - Hou tao Sun; Chuanxin Wen; Chunhu Shi; Fei Luo; Qiangsheng Pu; Pengpeng Lv
16:50 – 17:10	(Online) Analyzing Eye-Movements of Drivers with Varying Levels of Experience During U-Turn Segment - Haojie Wang; Luyang Wang; Yishui Zhu; Jun Wang; Bo Wu	(Online) Identifying Emerging Research Topics in Computer Science Using Overlapping Community Detection on Graph Neural Network Predicted Graphs - Constantinos Djouvas; Christos Christodoulou; Antonis Charalampous; Nicolas Tsapatsoulis	Duplicate Data Elimination Optimization Strategy Based on Edge Service Management - yonglin pu; Xiaolong Xu; Lianyong Qi; Wanchun Dou; Jiong Yu; Zhang Li	(Online) NCAA Bracket Prediction Using Machine Learning and Combinatorial Fusion Analysis - Yuanhong Wu; Frank Hsu; Isaiah Smith; Tushar Marwah; Michael Schroeter; Mohamed Rahouti
17:10 – 17:30	(Online) Analyzing the Imitation Behaviors of Gorilla Chest-Beating Based on Human Pose Estimation - Yu Qi; Bo Wu; Chongyang Zhang; Siyu Xiong	(Online) A Domain Model for Urban Digital Twins - Stephan Haller	(Online) Fine-Grained Access Control for Lightweight Data Sharing of UAVs - Haojia Yang; Qichao Xu	

Day 4 (Friday, 11/8)

Time	Room A	Room B
	CyberSciTech-WiP (4)	**CyberSciTech-WiP (3) + CBDCom (1)**
08:30 – 08:50	DMCGF Dehazing Neural Network Design for Edge-AI Implementation - Kuo Yi Chang; Kun Lin Li; Ming-Hwa Sheu; Szu-Hong Wang	Checking the Neural Networks' Subitizing Ability and Proposing Three Challenges for Human-like Subitizing - Seongmin Kim; Kang-Hyun Jo
08:50 – 09:10	DORAC: Dynamic-Objects Removal and Clustering For Object Detection - Kwanho Kim; Dokyung Kim; Kanghyun Jo	3-DoF Pose Estimation of Vehicles on the Road - Jaehyeon Sung; Kanghyun Jo
09:10 – 09:30	Low-Frequency Injection for Performance Boosting of Image Classification - Minseung Kim; Jongchae Lee; Kang-Hyun Jo	Cross-Layer Performance Analysis of Delay-Doppler Domain Multi-Carrier Modulation for Vehicular Networks - Ganggui Wang; Celimuge Wu; Yangfei Lin; Zhaoyang Du; Wugedele Bao; Ha Si
09:30 – 09:50	Descriptor Feature Map for Classification - Jongchae Lee; Minseung Kim; Kanghyun Jo	Towards Green Video: Energy-Saving Potentials in Streaming - Robert Seeliger; Martin Lasak; Görkem Güclü; Stefan Arbanowski; Stephan Steglich

Coffee Break

Time	Room A	Room B
	CyberSciTech-Regular (5) Track 6	**PICom-Regular (4)**
10:10 – 10:30	A Two-Stage Depression Recognition Model Based on Improved YOLOv5 and Spatial-Temporal CNN-Transformer Network - Jianing Zhao; Qun Jin	Improving the Adaptability of sEMG-Based Gesture Recognition Using Variational Mode Decomposition and Transfer Learning - Hao Wu; Feng Wang; Juan Zhao; Seiichi Kawata; Jinhua She
10:30 – 10:50	Detection of Smoking Behaviors Using Human Key Point and YOLOv8 - WieXiong Zhang; Anton Louise P. De Ocampo; Rowell M. Hernandez	CPO-VMD Method for Denoising sEMG signals - Jingwen Liu; Jinhua She; Juan Zhao; Feng Wang; Seiichi Kawata
10:50 – 11:10	EvoResUNet: A Lesion Segmentation Network for Primary Liver Cancer from 3D CECT Volume - Shixin Huang; Jiawei Luo; Xiaoyu Wan; Xixi Nie	Enhanced Gesture Recognition via Interpretable Temporal Convolutional Networks Utilizing Spatio-Temporal sEMG Features - Xiaohu Ao; Jinhua She; Feng Wang; Seiichi Kawata; Edwardo Fumihiko Fukushima; Jinseok Woo
11:10 – 11:30	uSkin Pillow: Tactile-Sensor-Based Non-Invasive Approach to Sleep Analysis - Riya Mahajan; Yegang Du; Alexander Schmitz; Gabriele Trovato; Yasuyuki Taki; Shigeki Sugano	AFRODITE - Optimizing Federated Learning in Resource-Constrained Environments Through Data Sampling Techniques - Mayara Aragão; Claudio Miceli de Farias; Flávia Coimbra Delicato; Pedro Henrique González
11:30 – 11:50	Bio-SSI: Self-Sovereign Identity Bound to Biometrics - Yoshiko Yasumura; Masakazu Fujio; Wataru Nakamura; Kenta Takahashi	