IEEE CyberSciTech/DASC/PICom/CBDCom 2024
Venue: Henann Regency Resort and Spa
Advanced Program

Day 1 (11/5)	09:30 – 17:00	Registration (near Golden Pavilion Room)
	10:00 – 11:30	Birds-of-a-Feather (BoF) (Golden Pavilion Room)
	13:00 – 14:30	**Tutorial (Golden Pavilion Room)**
	14:30 – 15:00	Coffee Break (Golden Pavilion Room)
	15:00 – 17:00	**Panel Discussion (Golden Pavilion Room)**
	18:30 – 21:00	Welcome Reception (*** Sunset Restaurant, Paradise Garden Resort Hotel and Convention Center)

Day 2 (11/6)

08:00 – 17:00	Registration (near Golden Pavilion Room)			
08:30 – 09:00	**Welcome Ceremony (Golden Pavilion Room)**			
09:00 – 10:20	**Keynote Talks (Golden Pavilion Room)**			
10:20 – 10:40	Coffee Break (Golden Pavilion Room)			
	Session D2A-A (Golden Pavilion Room)	**Session D2A-B (Sapphire Room)**	**Session D2A-C (Jade Room)**	**Session D2A-D (Ruby Room)**
	GAI-Hyper! (Session Chair: Ao Guo, Nagoya University, Japan) Zoom ID: 883 8432 9453 Passcode: 345158	**HIEMI (Session Chair: Antonio Guerrieri, National Research Council of Italy, Italy)**	**DASC A (Session Chair: Tadashi Dohi, Hiroshima University)**	**CyberSciTech A (Session Chair: Jiaqi Wang, Waseda University, Japan) Zoom ID: 885 1181 1308 Passcode: 620325**
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 Carnemolla; 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; Varisha 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, Junyi Xin, Guanqun Sun	Estimating Performances of Application Deployment on Distributed IoT-Edge-Cloud Infrastructures - Fabrizio Marozzo; Alexandro Presta; Rosa Vercherca; 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 Ballista; 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
12:00 – 13:30	Lunch Break (Sea Breeze Café)			
	Session D2P-A (Golden Pavilion Room)	**Session D2P-B (Sapphire Room)**	**Session D2P-C (Jade Room)**	**Session D2P-D (Ruby Room)**
	CyberSciTech B (Session Chair: Lai Tu, Huazhong University of Science and Technology, China)	**PICom A (Session Chair: Federico Fausto Santoro, University of Catania, Italy) Zoom ID: 868 8816 8005 Passcode: 098591**	**EDCSTA (Session Chair: Bernady Apduhan, Kyushu Sangyo University, Japan) Zoom ID: 82535548383 Passcode: 293729**	**CyberSciTech C (Session Chair: Jia Guo, Hubei University of Economics, China) Zoom ID: 885 1181 1308 Passcode: 620325**
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 Micieli; Andrea Vinci	Message Routing Protocol for DTN based on Road Network Density - Kazuma Matsubara; Naohiro Hayashibara	(Online) Attack Path Extraction Based on VGAE and DBSCAN - Z. 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	Hybrid IoT Programming with Data Flow Diagrams and Mruby - Kazuaki Tanaka; Sota Ogura; Krishnamoorthy R	(Online) Review of Collaborative Inference in Edge Intelligence: Emphasis on DNN Partition - Ning Liu; Fei Dai; Xinzhuo Chai; Guoxi Liu; Xiaojing Wu; Bi Huang
14:10 – 14:30	Privacy-Preserving Parameter Aggregation Scheme Based on Two Leaders for Federated Learning - Weiyu Wang; Zhuotao Lian; Tianhui Li; Kouichi Sakurai; Chunhua Su	Seismocardiography-Inspired Heart Activity Monitoring Using FMCW Radar - Walid Brahim; Jianhua Ma; Muxin Ma; Yunlong Luo; Alex Qi; Yihong Qi	VR-Mill: A Virtual Reality Trainer for Industrial Flour Mill - Lawrenze Earl Romaguera; Erhen Tabuada; Stephanie Visitacion; Earl Ryan Aleluya; Stephen Hairn; Francis Jann Alagon; Steve Clar; Arnel Zamayla; Cherry Mae G Villama	(Online) SarIBFT: Scalable Tree Communication Pattern BFT Protocol - Jianxin Yang; Xiaoding Wang; Hui Lin
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) Congestion Prediction by Multimodal Learning of Audiovisual Data - Iori Ida; 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; Jianqi Wei
14:50 – 15:10	Traffic Prediction by Integrating Multi-Cycle Features and Spatio-Temporal Correlations - Lugang Nie; Benxiong Huang; Lai Tu	(Online) 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	(Online) Investigating the Impact of COVID-19 Pandemic on Education by Learning Analytics - Keisuke Abe; Kai Cheng	(Online) Optimized Block-K Clustering IoT Clustering and Blockchain Sharding Strategy Using Deep Reinforcement Learning - Tianci Chen; Lin Hui; Lizhao Wu; Xiaoding Wang
15:10 – 15:30	Coffee Break (Golden Pavilion Room)			
	Session D2P-E (Golden Pavilion Room)	**Session D2P-F (Sapphire Room)**	**Session D2P-G (Jade Room)**	**Session D2P-H (Ruby Room)**
	CyberSciTech D (Session Chair: Walid Brahim, Hosei University, Japan) Zoom ID: 880 7517 6058 Passcode: 053023	**PICom B (Session Chair: Claudio Miceli, Federal University of Rio de Janeiro, Brazil)**	**EDCSTA/ADSN (Session Chair: Junichi Funasaka, Hiroshima City University, Japan)**	**CyberSciTech E (Session Chair: Jia Guo, Hubei University of Economics, China) Zoom ID: 885 1181 1308 Passcode: 620325**
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; Przemysław Zielony	Smart Parking: Detecting Vacant Spots from an Angled Viewpoint - Jan Leven Sayson; Alfa Valdehueza; Mac Jiem Maghanoy; Perly Rica Flores; Stephan Hairn; Francis Jann A Alagon; Stephanie Visitacion; Cherry Mae Villama; 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	Crew Management Support Application for Operation Managers and Boosting System Security - Toshihiro Uchibayashi; Chinaisa Sueyoshi; Yoshihiro Yasutake; Hideyuki Satomura, Kentaro Inenaga	(Online) Improving Example Quality in Black Box Hard Label Text Adversarial Attacks - Danyu Xu; Pengchuan Wang; Qianmu Li
16:10 – 16:30	(Online) Deep Knowledge Tracking Model Integrating Multiple Feature Personalization Factors - Yukun Wang; Xingjian Xu; Fanjun Meng	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 Uncertainty Based Unsupervised Real-Time Drift Detection in Network Traffic Classification - Minyao Liu; Pan Wang; Yingchun Ye; Xuejiao Chen
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 Time-driven Requesting Scheme to Segmented File Download Methods Using Parallel TCP/MPTCP Connections on Multiple Paths - Junichi Funasaka; Noriaki Hirazka	(Online) Private Comparison Based on Digital Decomposition for IoT Cloud Environments - Zaidong Li; Yuling Chen; Yun Luo; Xintao Pei; Yingqi Qin
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	Enhancing Robotic Systems Through a Distributed Multi-Agent Digital Twin Environment -Federico Fausto Santoro; Corrado Santoro; Miriana Russo; Giovanni Campo	Bertrand's Paradox in Vertical Handover: A Probabilistic Analysis - Kenta Fukuhara; Sumiko Miyata; Masaki Aida	(Online) Range Proof-Based Noise Filtering Mechanism for IoT Differential Privacy - Jianqi Wei; Yuling Chen; Yun Luo; Zaidong Li

Day 3 (Thursday, 11/7)

08:00 – 17:00	Registration (near Golden Pavilion Room)			
08:30 – 09:50	**Keynote Talks (Golden Pavilion Room)**			
09:50 – 10:20	Coffee Break (Golden Pavilion Room)			
	Session D3A-A (Golden Pavilion Room)	**Session D3A-B (Sapphire Room)**	**Session D3A-C (Jade Room)**	**Session D3A-D (Ruby Room)**
	CyberSciTech F (Session Chair: Francesco Piccialli, University of Naples Federico II, Italy)	**CyberSciTech G (Session Chair: Jiujie Zhang, The University of Electro-Communications, Japan)**	**CyberSciTech H (Session Chair: Walid Brahim, Hosei University, Japan) Zoom ID: 880 7517 6058 Passcode: 053023**	**CyberSciTech I (Session Chair: Jianing Zhao, Waseda University, Japan) Zoom ID: 885 1181 1308 Passcode: 620325**
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 - Jiangyan 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-Transformer 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) Unsupervised Anomaly Behavior 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	Fuzzy Logic-Based Deep Reinforcement Learning Pre-Training: A Case Study in MEC Task Offloading - Jiujie Zhang; Yangfei Lin; Zhaoyang Du; Wugedele Bao	(Online) Stealthy Adversarial Patch for Evading Object Detectors Based On Sensitivity Maps - Ce Wang; Qianmu Li	(Online) Pavement Crack Detection Based on Channel Attention Mechanism - Guoxi Liu; Bi Huang; Ning Liu; Xiaojing Wu; Li Yang; Fei Dai
12:00 – 13:30	Lunch Break (Sea Breeze Café)			
	Session D3P-A (Golden Pavilion Room)	**Session D3P-B (Sapphire Room)**	**Session D3P-C (Jade Room)**	**Session D3P-D (Ruby Room)**
	CyberSciTech J (Session Chair: Yegang Du, Tohoku University, Japan)	**PICom C (Session Chair: Andrea Vinci, ICAR-CNR, Italy) Zoom ID: 868 8816 8005 Passcode: 098591**	**DASC B (Session Chair: Naohiro Hayashibara, Kyoto Sangyo University, Japan) Zoom ID: 837 6265 1491 Passcode: 234366**	**CyberSciTech K (Session Chair: Guanqun Sun, Hanghzou Medical College, China) Zoom ID: 885 1181 1308 Passcode: 620325**
13:30 – 13:50	FaceGuard: Enhancing Data Privacy through Selective Facial Anonymization in Public Events - Chalee Vorakulpipat; Apiwat Chantawibul; Satheanpong Jeungudomporn; Chanchai Techawatcharapaikul; Wachiraporn Jiraklitpuwapat	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	Integrated Evaluation System for Intelligent Model - Xizhi Yang; Zhichao Lian	(Online) DICE: Distributed Code Generation and Execution - Kunal Rao; Giuseppe Coviello; Srimat Chakradhar	(Online) A Novel Framework of Constructing on Water Pipeline Networks by Node Embedding Approach - Alvida Mustika Rukmi; Ary Mazharuddin Shiddiqi; Ahmad Salikhu and Muhammad Jafri Fransiska	(Online) Chinese Named Entity Recognition 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	Projected Quantum Kernel for IoT Data Analysis - Francesco D'Amore; Luca Mariani; Carlo Mastroianni; Jacopo Settino; Andrea Vinci	A Pervasive, Efficient and Private Future: Realizing Privacy-Preserving Machine Learning Through Hybrid Homomorphic Encryption - Khoa Nguyen; Mindaugas Budzys; Eugene Frimpong; Tamsen 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	uSkin Pillow: Tactile-Sensor-Based Non-Invasive Approach to Sleep Analysis - Riya Mahajan; Yegang Du; Alexander Schmitz; Gabriele Trovato; Yasu	(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 – Sayedeh 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		(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
15:10 – 15:30	Coffee Break (Golden Pavilion Room)			
	Session D3P-E (Golden Pavilion Room)	**Session D3P-F (Sapphire Room)**	**Session D3P-G (Jade Room)**	**Session D3P-H (Ruby Room)**
	IoT-Life (Session Chair: Hong Chen, Daichi Institute of Technology, Japan)	**PICom D (Session Chair: Claudio Miceli, Federal University of Rio de Janeiro, Brazil) Zoom ID: 868 8816 8005 Passcode: 098591**	**Cyber-IoT/BigCyberSecurity (Session Chair: Yuanchen Wang, Xi'an Jiaotong University, China)**	**CyberSciTech L (Session Chair: Guanqun Sun, Hanghzou Medical College, China) Zoom ID: 885 1181 1308 Passcode: 620325**
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	(Online) 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 Zhuanxiao; Yanbin Sun; Shian 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; Luis Eduardo Talavera Rios; Milena 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 - Xinzhuo 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 Image Recognition 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 Giavina; Giancarlo Fortino	(Online) Trust Evaluation and Concept Drift-Based Approach for Dynamic APT Evasion Detection - Han Liu; Baoyu An; Yaoyao Yin; Xuieyang Huo; Zhou Su; Yuntao Wang	(Online) Enhancing Adversarial Patch Effectiveness for Face Recognition Systems Using Sharpness-Aware Minimization - Wu Chenyu; Zhang Ting; Zhixian Li; Zhichao 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 Machine Learning Approach - Vishwanath Eswaralaiahan; 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 Jiao 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; Nicolás Taapatsoulis	Duplicate Data Elimination Optimization Strategy Based on Edge Service Management - yonglin pu, Xiaolong Xu; Lianyong Qi; Wanchun Dou; Jiong Yu; Ziyang 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	(Online) Fake News Detection Based on Contrast Learning and Cascading Attention - Fu Li; Hui Zhang; Zhichao Lian; Shujuan Wang
19:00 – 22:00	**Gala Dinner (Regency Ballroom)**			

Day 4 (Friday, 11/8)

08:00 – 11:00	Registration (near Golden Pavilion Room)	
	Session D4A-A (Golden Pavilion Room)	**Session D4A-B (Sapphire Room)**
	CyberSciTech M (Session Chair: Chao Wu, The University of Electro-Communications, Japan)	**CyberSciTech N (Session Chair: Ganggui Wang, The University of Electro-Communications, Japan)**
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' Subtilizing Ability and Proposing Three Challenges for Human-like Subtilizing - 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 Gözlü; Stefan Arbanowski; Stephan Steglich
09:50 – 10:10	Coffee Break (Golden Pavilion Room)	
	Session D4A-C (Golden Pavilion Room)	**Session D4A-D (Sapphire Room)**
	CyberSciTech O (Session Chair: Xiaoyu Wan, Chongqing University of Posts and Telecommunications, China)	**PICom E (Session Chair: Antonio Guerrieri, National Research Council of Italy, Italy)**
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	Efficient Feature Extraction Model for Surveillance Systems Using Drone Imagery - Jehwan Choi; Youlkyeong Lee; Kang-Hyun Jo	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	
11:50 – 12:20	**Closing Ceremony (Golden Pavilion Room)**	
14:30 – 16:00	Conference Organizational Meeting	