

IEEE CyberSciTech/DASC/PICom/CBDCom 2024

Venue: Henann Regency Resort and Spa

Advanced Program

Day 1 (11/9)	09:30 – 17:00	Registration (near Golden Pavilion Room)			
	10:00 – 11:00	Birds-of-a-Feather (BoF) (Golden Pavilion Room)			
	13:00 – 14:00	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 (11/10)	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-G (Jade Room)	Session D2A-D (Ruby Room)
		GAI HyperI (Session Chair: Ao Guo, Nagoya University, Japan)	HEIMI (Session Chair: Antonio Guerrieri, National Research Council of Italy, Italy)	DASC A (Session Chair: Tadashi Dohi, Hiroshima University)	CyberSciTech A (Jiang Wang, Waseda University, Japan)
	10:40 – 11:00	Leveraging ECG Signal for People Identification under Different Emotion States - Zhiyue Huang, Wang Meng, Ai Guo, Waiid Brahim, Jianhua Ma, Mario Di Raimondo, Conrado Santos, Federico Fausto Sartore	Architecting a Privacy-Aware IoT-Enabled Platform for Fishers Monitoring in Beach Resort: A Case Study - Giovanni Campi, Davide Camerluzzi, Mario Di Raimondo, Conrado Santos, Federico Fausto Sartore	Wu-IoT: Registering and Evaluating the Security and Resilience of Internet of Things and Connected Devices Using a Collaborative Platform - Jean-François Jaoir	(Online) Representation Learning for Complex Networks - Shiyi Chen, Jun Hu
	11:00 – 11:20	Paradigm Shift in Foreign Language Teaching Practices in the Age of AI - Case Studies of Chinese and Japanese Learners - Xiaohu Wu, Shuang Zhu, Jingtao Zhou, Raymond Yao	A Comprehensive System for Indoor Assistance and User Interaction - Francesco Cadeducchi, Miriana Russo, Conrado Santos, Federico Fausto Sartore, Alessio Tedesco	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 - Shihang Gao, Sudhakar Kumar, Sunkit K. Singh, Binli B. Gupta, Varsha Arya, Rakesh Te Chai
	11:20 – 11:40	(Online) Sequence-Integrated Radiology Report Generation Leveraging Positional Encoding for Text and Images - Yudi Pan, Kai Li, Han Shi, Jinghui Wu, Fafu Shao, Junyi Xu, Guoqian Ren	Evaluating Performance of Application Deployment on Distributed IoT-Edge-Cloud Infrastructures - Fabrizio Marozzo, Alessandro Presto, Rosa Ventresca, Andrea Vinci	Dynamic Allocation of Security in Wireless Sensor Networks Mohammed Zamzani Ali	(Online) Advanced Evaluation of Propagation Models and Routing Protocols in Vehicular Ad-Hoc Networks - Anmol Jaewal, Sunkit K. Singh, Sudhakar Kumar, Koushik Te Chai, Binli B. Gupta
	11:40 – 12:00	(Online) A PRO-CNN-BiLSTM model for predicting Leaf Area Index - Wang Dong, Zhou Guoyuan, Jinghui Xu, João Eduardo Batista, Guo Jia, Huihui Bai	Graph Attention Network with LSTM for Smart Contract Vulnerability Detection - Kyungho Jung, Hyunah Ra, Ilbeom Jang	Benchmarking Deep Learning Algorithms for Intrusion Detection IoT Networks - Enzo Hourmarty, Fafu Jaoir	(Online) BA-PSO Approach for Optimizing QoS Management in SDN Service Chama - Wen Ji, Chenhan Lin, Jiang Liu, Hongyang Xu, Liangjie Xu, Jun Hu
	12:00 – 13:30				
		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 Sartore, University of Catania, Italy)	ECDCSTA (Session Chair: Bernady Apudhan, Kyushu Sangyo University, Japan)	CyberSciTech C (Session Chair: Jia Guo, Hubei University of Economics, China)
	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 Zuan, Franco Cicerri, Antonio Guerrieri, Massimo Miceli, Andrea Vinci	Message Routing Protocol for DTN based on Road Network Density - Kazuma Matsubara, Nishiro Hayashibara	(Online) Attack Path Extraction Based on VGAE and DBSCAN - Zi Ang Lu, Lu Chen, Yang Li, Guang Xin Guo, Teng Yan Wang
	13:50 – 14:10	Adversarial Evaluation of AI-Based Security Alert Screening Systems - Samuel Nditshie, Tao Ban, Takashi Takahashi, Akira Yamada, Selcuk Ozawa, Daisuke Inoue	Comprehensive Analysis of Deep Emotions Using Saliency and Visual Features - Chuan-Yu Chang, Jia-Yue Chia, Hui-Huang Hsu	Hybrid IoT Programming with Data Flow Diagrams and Mubuy - Kazuaki Tanaka, Sota Ogura, Krishnamoorthy R	(Online) Review of Collaborative Inference in Edge Intelligence: Emphasis on DNN Partition - Ning Liu, Fei Dai, Xinxiao Chai, Guoqi Lu, Xiaodong Wu, Bi Huang
	14:10 – 14:30	Privacy-Preserving Parameter Aggregation Scheme Based on Two Leaders for Federated Learning - Weiyou Wang, Zhuotao Liu, Tianhui Li, Koushi Sugitani, Chutian Su	Seismocardiography-Inspired Heart Activity Monitoring Using FMCI Radar - Waiid Brahim, Jianhua Ma, Maun Ma, Yuntong Liu, Alex Qi, Yinyou Qi	VR-MII: A Virtual Reality Trainer for Industrial Flow MII - Lawrence Earl Romagosa, Ellen Tabuada, Stephanie Visalio, Earl Ryan Alekya, Stephen Hain, Francis Jean-Rogers, Steve Oler, Annel Zanzig, Cherry Ma O'Winn	(Online) SurBFT: Scalable Tree Communication Pattern BFT Protocol - Jianxin Wang, Xiaodong Wang, Hui Lin
	14:30 – 14:50	Internet Security and Privacy Awareness Among College Students in the Philippines - Jin Arnes-Foss, Baby Grace Liego	Subject-General and Subject-Specific Emotion Recognition Across Video Stimuli Using EEG Signals - Zhiyue Huang, Ao Guo, Jianhua Ma	(Online) Consistent Prediction by Multimodal Learning of Audiovisual Data - Koki Ide, Yuki Toyosaki, Kai Cheng, Keisuke Abe	(Online) Lightweight IoT-Oriented Verifiable Computing Scheme in Cloud Computing Circumstance - Xintao Pei, Yufeng Chen, Yun Luo, Zaidong Li, Jiang Wei
	14:50 – 15:10	Traffic Prediction by Integrating Multi-Type Features and Spatio-Temporal Correlations - Lugang Nie, Benxiong Huang, Lai Tu	Multimodal Sequential Deep Learning for Agitation Detection in People Living with Dementia - Shahzad S. Khan, Grant Liu, Bing Ye, Kristine Newman, Alex Michailidis, Andrea Iaconi	(Online) Investigating the Impact of COVID-19 Pandemic on Education by Learning Analytics - Keisuke Abe, Kai Cheng	(Online) Optimized Block-X Clustering IoT Clustering and Blockchain Sharding Strategy Using Deep Reinforcement Learning - Tianxi Chen, Lin Hui, Lihua Wu, Xiaodong Wang
	15:10 – 15:30				
		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, Hosi University, Japan)	PICom B (Session Chair: Claudio Miceli, Federal University of Rio de Janeiro, Brazil)	ECDCSTA/ADSN (Session Chair: Junichi Hasegawa, Hiroshima City University, Japan)	CyberSciTech E (Session Chair: Jia Guo, Hubei University of Economics, China)
	15:30 – 15:50	Detecting Characteristic Points in Breathing Cycle Using FMCI Radar with Spectrometer as Reference - Heaolin Wang, Walid Brahim, Jianhua Ma, Koushi Sugitani, Pradyumn Yadav	Migrating WSN Applications from Monolithic to a Modular Approach Based on the IoT/SDM Middleware: Scenarios and Analysis - Jaub Ma, Koushi Sugitani, Pradyumn Yadav	Smart Parking: Detecting Virtual Spoof from an Angled Viewpoint - Jan Leven Bayazit, Alta Vaidhyanathan, Mac Jam Magway, Parly Rica Flores, Stephen Hain, Francis Jean-Rogers, Stephanie Visalio, Chang Wei Vitarne, Bilek Chai, Annel Zanzig, Earl Ryan Alekya	(Online) Network Intrusion Detection Algorithm Based on LightGBM Model and Improved Particle Swarm Optimization - Yuan Geng, Haiyong Hu, Pradyumn Gao, Zhihua Lin
	15:50 – 16:10	Autonomous Decision-Making in Roundabouts Using Deep Reinforcement Learning and Heuristics Rules - Haokun Zhang, Weizhen Han, Haiyong Hu, Haiyong Peng, Jin Hu	A Computer Vision Algorithm for Path Planning in Mobile Robots - Federico Fausto Sartore, Conrado Santos, Miriana Russo, Claudio Ruggeri	Crew Management Support Application for Operator Management and Booking System Security - Toshihiro Uchiyoshi, Chikara Sawayashi, Yoshihiro Yashitake, Hiroyuki Tanaka, Kenjiro Inagaki	(Online) Improving Example Quality in Black Box Hard Label Test Adversarial Attacks - Danyu Xu, Penghui Wang, Qianqi Lu
	16:10 – 16:30	Pale News Detection based on Contrast Learning and Cascading Attention - Fu Li, Hai Zhang, Zhihao Liu, Shijuan Wang	Capturing Spatial Information for AEMG-Based Gesture Recognition Using Graph Attention Networks - Tong Xu, Feng Wang, Selcuk Kawata, Jian Shu, Jinhua Shi, Daisuke Chugo	Early Detection of User Dynamics Overlaid through Frequency Analysis of Time-Series Data - Masaki Aoki, Kazuki Nakajima, Kenta Takano	(Online) Model Uncertainty Based Unsupervised Real-Time DDT Detection in Network Traffic Classification - Miyao Liu, Pan Wang, Yingshun Wu, Xuelian Chen
	16:30 – 16:50	Online Improved YOLOv8 for Personal Photo Detection Using Deformable Convolution and Bidirectional Feature Pyramid Network - Xiangyu Wu, Bi Huang, Fei Dai, Shuai Wang, Xinghua Chai, Yinyou Dong	Reducing the Influence of Individual Variability in sEMG-Based Fatigue Detection Using Transfer Learning - Ruiwei Lin, Feng Wang, Selcuk Kawata, Jian Shu, Jinhua Shi, Daisuke Chugo	Research on Real-Time Monitoring Scheme for Segmented Pile Driveway Methods Using Parallel TCP/IP Corrections on Multiple Paths - Junichi Hasegawa, Hiroshi Hirakawa	(Online) Private Comparison Based on Digital Decomposition for IoT Cloud Environments - Zaidong Li, Yufeng Chen, Yun Luo, Xintao Pei, Yingqi Qin
	16:50 – 17:10	(Online) Miniature-Wave Human Image X-raythrough Object Detection Based on Faster R-CNN - Bo He, Yang Gao, Jing Cao, Wening Cai, Xin Ma, Xueyou Zhao, Zhihao Lin	Enhancing Robotic Systems Through a Distributed Multi-Agent Digital Twin Environment: Federico Fausto Sartore, Conrado Santos, Miriana Russo, Giovanni Campi	Bertrand's Paradox in Hard Handover: A Probabilistic Analysis - Kenta Fukuhara, Sumiko Miyata, Masaki Aoki	(Online) Range Proof-Based Noise Filtering Mechanism for IoT Differential Privacy - Jiang Wei, Yufeng Chen, Yun Luo, Zaidong Li
Day 3 (Monday, 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: Jiale Wu, The University of Electro-Communications, Japan)	CyberSciTech H (Session Chair: Walid Brahim, Hosi University, Japan)	CyberSciTech I (Session Chair: Jianing Zhao, Waseda University, Japan)
	10:20 – 10:40	Leveraging Digital Twins and Generative AI for Effective Urban Mobility Management - Marica Carzanelli, Sara Ambrosio, Edoardo Proietto, Fabio Giampiccolo, Salvatore Cosmo, Francesco Piccialli	COPPA: A Crowdsourcing Task Allocation Method Based on Diverse Participant Preferences - Jangyun Xu, Zhiwen Yu, Xiaohang Huang, Lei Zhao, Zhen Yu, Bin Guo	(Online) Research on Virtual Resource Scheduling Algorithm Based on Multi-Objective Optimization - Cheng Zhou, Xiaodan Guan, Chen Wang, Wen Ji, Chentian Lin	(Online) Short-term Solar Irradiance Forecasting Based on CNN-Transformer Model - Chuan Wang, Hua Wang, Jian Bi, Ke Yan
	10:40 – 11:00	Evaluation Dynamics Using Utility of Multiple Types of Datasets - Kozubou Itaki, Noriaki Kamayama	Model Adjustment Among IPTV Based on Cooperative Games for IoT Promotion - Masaki Ito, Noriaki Kamayama	(Online) Model Extraction Attacks on Text-to-Image Generative Adversarial Networks - Ying Chen, Weihao Guo, Pingyang Ge, Xiang Ma, Zhang Yu, Jia	(Online) Address Selection for Multi-Party Conversations in Cyber-Physical-Social Systems - Xiaoming He, Yuesha Jiang, Haijun Cai, Yingqi Lu
	11:00 – 11:20	Energy-Efficient Reliable Data Storage Using in-Storage Deduplication - Zhaoxiang Huang, Zhiwen Yu, Zhihe Huang, Erhe Yang, Jangyun Xu, Bin Guo	Assessing ChatGPT-Generated Comments for Video Content Viewing in Online Learning - Jiaog Wang, Jian Chen, Qun Jin	(Online) Voltage Prediction of Electric Vehicle Based on Attention Mechanism CNN-GRU Model - Haiyong Feng, Weizhen Han, Haokun Zhang	(Online) Unsupervised Anomaly Behavior Detection in Power Information Network Based on Discriminative Semantic Transformation Sequences - Hao Yu, Wei Sun, Jiarui Peng Gao
	11:20 – 11:40	Audio Denoising by Fusing Multi-Stage Image Features - Shihua Zhang, Fei Hu, Xun Shao	Bandwidth-Adaptive Semantic Communication System with Non-RD Image Compression - Chao Wu, Caiming Wu, Jiale Wu, Yangliu Lin, Zhenyong Du, Ha S. Wugelele Ba	(Online) Improving the Visual Quality of Adversarial Examples for Face Recognition Models - Yitao Zhang, Qianqi Lu, Fan Liu	(Online) IoT Intrusion Detection Using SDN Cloud-edge Collaboration and Ensemble Deep Learning - Yuhua Xu, Yan Li, Sun Zhen
	11:40 – 12:00	An Automated Memory Image Forensic Scheme for Linux Systems Based on Contamination Technology - Ruihao Chen, Hui Lin, Qinglin Lin, Hui Xu	Procy Logic-Sort Deep Reinforcement Learning Pre-Training: A Case Study in MEC Task Offloading - Jiaog Zhang, Yangliu Lin, Zhenyong Du, Wugelele Ba	(Online) Real-time Adversarial Patch for Evading Object Detectors Based on Sensitivity Maps - Ce Wang, Qianqi Lu	(Online) Pavement Crack Detection Based on Channel Attention Mechanism - Guoqi Lu, Bi Huang, Ning Liu, Xiaodong Wu, Li Yang, Fei Dai
	12:00 – 13:30				
		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: Zhihao Lin, Tohoku University, Japan)	PICom C (Session Chair: Andrea Vinci, ICAR-CNR, Italy)	DASC B (Session Chair: Nishiro Hayashibara, Kyoto Sangyo University, Japan)	CyberSciTech K (Session Chair: Guangqun Sun, Hangzhou Medical College, China)
	13:30 – 13:50	Integrated Evaluation System for Intelligent Model - Xuhui Yang, Zhihao Lin	Traffic Classification for Network Based Using Machine Learning Techniques - Giselle Gao, Claudio Miceli de Farias, Filipe Coimbra Delato	Maximum Likelihood Prediction in Software Reliability Assessment - Tadayoshi Doi	(Online) A Graph Neural Network with Instance-Aware Mechanism for Enhanced Fraud Detection - Yuhua Chen, Brian Zhou, Zengqiang Zheng, Jianhua Ma
	13:50 – 14:10	Deep Knowledge Tracking Model Integrating Multiple Feature Personalization Factors - Yulun Wang, Xinghui Xu, Fanjun Meng	DCCE: Distributed Code Generation and Execution - Kunai Rao, Giuseppe Convelis, Simran Chakrabarti	(Online) A Novel Framework of Constructing on Water Pipeline Networks by Node Embedding Approach - Andra Mustafa Raimi, Ayi Machanidi, Shady Al-Jarrah, Ahmad Salihu and Muhammad Jeffi Farisaka	(Online) Chinese Named Entity Recognition in Industry Domain Based on Lexical Enhancement - Jinghan Zhao, Cutan Lai, Cuiyan Li, Zhenning Ni, Jiaojiao Ren, Zhang Yu, Qing
	14:10 – 14:30	Analysis of Business Model of Co-Creation Digital Twin City Using Evolutionary Game - Kaito Kondo, Noriaki Kamayama	Projected Quantum Kernel for IoT Data Analysis - Francesco D'Amico, Luca Marani, Carlo Mastroloni, Jacopo Bettino, Andrea Vinci	A Persuasive, Efficient and Private Future: Realizing Privacy-Preserving Machine Learning Through Hybrid Homomorphic Encryption - Khua Nguyen, Minhduc Bui, Nguyen Trung, Eugene Frenoy, Sonner Khan and Antonio Morales	(Online) LSTMformer: Spatio-Temporal Transformer Network for Traffic Flow Prediction - Licheng Li, Xinxiao Chai, Fei Dai, Shuai Wang, Yinyou Dong, Bi Huang
	14:30 – 14:50	FaceGuard: Enhancing Data Privacy through Selective Facial Anonymization in Public Events - Chaohe Vorakulapit, Apichart Chantawibul, Sathapong Jongsakulpanit, Chantana Techawattachakul, Worachon Jitakornvong	(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 Laith Mirshari and Andrea Pugliese	(Online) Deadlock Analysis of Microservice Systems with Bounded Buffers - Li Yang, Bi Huang, Xinxiao Chai, Guoqi Lu, Xiaodong Wu, Fei Dai
	14:50 – 15:10	Ultron Flow: Traffic-Sensor-Based Non-Invasive Approach to Sleep Analysis - Riya Mahalingam, Yegang Dai, Alexander Schmitz, Gabriele Tronzo, Hayouk Taki, Shigeki Sugano	(Online) Human-Centric Based Energy and Comfort Optimization in Cognitive Buildings: A Review - Manthulu Khan, Antonio Guerrieri, Franco Cicerri, A. Stephen McDough, Giandomenico Spagnuolo	Towards cryptographic agility manifests in end-to-end encryption systems: a position paper from the perspective of crypto-consumers - Alexander Blomqvist and Lawrence Hearn	(Online) A Privacy-Preserving Across-Institution Archives Utilization Framework and Implementation - Weiwei Chen, Jinqian Xu, Shuai Su, Chi Chen
	15:10 – 15:30				
		Session D3P-E (Golden Pavilion Room)	Session D3P-F (Sapphire Room)	Session D3P-G (Jade Room)	Session D3P-H (Ruby Room)
		IoT-Life	PICom D (Session Chair: Claudio Miceli, Federal University of Rio de Janeiro, Brazil)	CyberIoT/BigCyberSecurity	CyberSciTech L (Session Chair: Guangqun Sun, Hangzhou Medical College, China)
	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 Connections - Carmelo Corbo, Annalisa Scioveola, Zhenyu Li, Bin Guo	Delay-Tolerant Computation Offloading in Vehicular Networks Based on Local Blockchain - Xin Liu, Rui Wang, Rui Xing, Donglan Li, Fangzhe Zhang, Li Bai	(Online) Node Resilience Centrality Based Defense Strategy Against Topology Inference Threat: A Static Game Theoretical Perspective - Weiwei Zheng, Yu Jiaog, Qinglin Yang, Chenzhi Zhuang, Yuhua Chen, Shen Su, Zhibo Zhang, Yan Li
	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) - Walid Kumar Agarwal, Chutian Song, Biao Bao, Zhong Ma, Xiaohua Patel, Eason G. Akolofin	(Online) Design and Implementation of a Flexible Mobile Edge Middleware for Multi-Protocol Wireless Connectivity - Tatiana Reimer, Luis Eduardo Beyer, Rocio, Miriana Cavallari, Lailoni Lucchesi, Markus Boller	Age of Information Dependent Grant-Free Communication - Yueshan Wang, Kai Zhang, Yilun Wu, Wei Sun, Jiao Tan	(Online) An Approach to Detecting Reentrancy Vulnerabilities in Interacting Smart Contracts Using Model Checking - Xinxiao Chai, Bi Huang, Ning Liu, Guoqi Lu, Xiaodong Wu, Fei Dai
	16:10 – 16:30	A New Smart Glasses-Based Dual Authentication System via Signature Image Recognition Handwriting Identification - Xiangyu Shi, Siyu Xiang, Bo Wu	(Online) A Deep Learning-Based Digital Twin for Indoor Temperature Prediction in Smart Buildings - Md. Babul Islam, Antonio Guerrieri, Raffaele Gargano, Giancarlo Fortino	(Online) Task Evaluation and Concept Drift-Based Approach for Dynamic APT Evasion Detection - Han Li, Baiyu An, Yanyao Yin, Xuyang Huo, Zhenyu Li, Zhihao Lin	(Online) Enhancing Adversarial Patch Effectiveness for Face Recognition Using Sharpness-Aware Minimization - Wu Chenyu, Zhang Ting, Zhihao Li, Zhihao Lin
	16:30 – 16:50	Integrating Decentralized Management of Wastewater Disease Data for Health and Fitness - Tao Zhou, Tianhe Yu, Hong Chen	(Online) Anomaly Identification and Classification of Network Using Optimized Machine Learning Algorithms - Vishwanath Eswaranthiran, Priyanka Singh	Cross-Layer Performance Analysis of Delay-Dropout Domain Multi-Carrier Modulation for Vehicular Networks - Gangqun Wang, Caiming Wu, Yangliu Lin, Zhenyong Du, Wugelele Ba, Ha S	(Online) Improved Multi-Objective Simulated Annealing Particle Swarm Algorithm for Biting and Capacity Scaling of Distributed Power Supplies - Hou Bo Sun, Chuanwen Wen, Chunhui Shi, Fei Lu, Gangqun Wang, Pengcheng Lu
	16:50 – 17:10	(Online) Analyzing Eye Movements of Drivers with Varying Levels of Experience During U-Turn Segments - Haoguo Wang, Luyang Wang, Yuhui Zhu, Fan Wang, Feng Wang, Selcuk Kawata, Edoardo Fortunato Palazzuola, Joseph Woo	(Online) Identifying Emerging Research Topics in Computer Science Using Overlapping Community Detection on Graph Neural Network Predicted Graphs - Constantinos Dilevris, Christos Christoforidis, Antonio Chalkiadakis, Nicolas Tappasoulas	Outcaste Data Elimination Optimization Strategy Based on Edge Service Management - Jionglin Gu, Xiaodong Xu, Liyanyong Qi, Wanchun Dou, Jiong Yu, Ziyang Li	(Online) ICAK: Scalable Prediction Using Machine Learning and Combinatorial Fusion Analysis - Yuanhong Wu, Frank Hu, Isahak Shiri, Tushar Marwah, Michael Schroeder, Mohamed Rabouli
	17:10 – 17:30	(Online) Analyzing the Initiation Behaviors of Gossip Check Seating Based on Human Pose Estimation - Yu Qi, Bo Wu, Chongqing Zhang, Siyong Xiong	(Online) A Domain Model for Urban Digital Twins - Stephan Haller	(Online) Fine-Grained Access Control for Lightweight Data Sharing of UAVs - Haoguo Wang, Qichao Xu	
	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: Gangqun Wang, The University of Electro-Communications, Japan)		
	08:30 – 08:50	DMQCF: Dehazing Neural Network Design for Edge-AI Implementation - Kuai Yi Chang, Kun Lin Li, Ming-Hwa Shau, Su-Hong Wang	Checking the Neural Network Subsetting Ability and Proposing Three Challenges for Human-like Subsetting - Seongmin Kim, Kang-Hyun Jo		
	08:50 – 09:10	DMQCF: Dynamic-Objects Removal and Clustering for Object Detection - Kwanho Kim, Dokyung Kim, Kang-Hyun Jo	3-DOP: Pose Estimation of Vehicles on the Road - Jaehyun Sung, Kang-Hyun Jo		
	09:10 – 09:30	Low-Frequency Injection for Performance Boosting of Image Classification - Minsang Kim, Jinsung Lee, Kang-Hyun Jo	Cross-Layer Performance Analysis of Delay-Dropout Domain Multi-Carrier Modulation for Vehicular Networks - Gangqun Wang, Caiming Wu, Yangliu Lin, Zhenyong Du, Wugelele Ba, Ha S		
	09:30 – 09:50	Descriptor Feature Map for Classification - Jingdong Lee, Minsung Kim, Kang-Hyun Jo	Towards Green Video: Energy-Saving Potentials in Streaming - Robert Seifert, Martin Laak, Gokdemir Guclu, Stefan Arbanowski, Stephan Schlegel		
	09:50 – 10:10				
		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 Denoising Recognition Model Based on Improved YOLOv5 and Spatial-Temporal CNN-Transformer Network - Jianing Zhao, Qun Jin, Wang, Jian Zhao, Selcuk Kawata, Jinhua Shi	Improving the Adaptability of AEMG-Based Gesture Recognition Using Variational Mode Decomposition and Transfer Learning - Hao Wu, Feng Wang, Jian Zhao, Selcuk Kawata, Jinhua Shi		
	10:30 – 10:50	Detection of Smoking Behaviors Using Human Key Point and YOLOv8 - Weikang Zhang, Anton Louie P. De Ocampo, Rowell M. Hernandez	CPO-VMD Method for Denoising AEMG signals - Jinghui Liu, Jinhua Shi, Jian Zhao, Feng Wang, Selcuk Kawata		
	10:50 – 11:10	SurvNet: A Lesion Segmentation Network for Primary Liver Cancer from 3D OCT Volume - Shihui Huang, Jiaqi Liu, Xianyu Wan, Xie Hui	Enhanced Gesture Recognition via Interleaved Temporal Convolutional Networks Utilizing Spatio-Temporal AEMG Features - Xiaohu Xu, Jinhua Shi, Feng Wang, Selcuk Kawata, Edoardo Fortunato Palazzuola, Joseph Woo		
	11:10 – 11:30	Efficient Feature Extraction Model for Surveillance Systems Using Drone Imagery - Jiahua Chen, Youkyoung Lee, Kang-Hyun Jo	AFRCOTE - Optimizing Federated Learning in Resource-Constrained Environments Through Data Sampling Techniques - Mayara Aragão, Claudio Miceli de Farias, Filipe Coimbra Delato, Pedro Henrique Gonalves		
	11:30 – 11:50	Bio-SIS: Self-Sovereign Identity Bound to Biometrics - Yoshiaki Yasumura, Masakazu Fujio, Wataru Nakamura, Kenta Takahashi			
	11:50 – 12:20	Closing Ceremony (Golden Pavilion Room)			
	14:30 – 16:00	Conference Organizational Meeting			