

Registration (near Golden Pavilion Room)
Birds-of-a-Feather (BoF) (Golden Pavilion Room)
<b>Tutorial (Golden Pavilion Room)</b>
Coffee Break (Golden Pavilion Room)
<b>Panel Discussion (Golden Pavilion Room)</b>
Income Reception (***) Sunset Restaurant, Paradise Garden Resort

Day 1 (Tue)

08:00 – 17:00  
10:00 – 11:30  
13:00 – 14:30  
14:30 – 15:00  
16:00 – 17:00  
18:30 – 21:00

Registration (near Golden Pavilion Room)  
Birds-of-a-Feather (BoF) (Golden Pavilion Room)  
**Tutorial (Golden Pavilion Room)**  
Coffee Break (Golden Pavilion Room)  
**Panel Discussion (Golden Pavilion Room)**  
Welcome Reception (\*\*\*) \*Sant Restaurant, Paradise Garden Resort Hotel and Convention Center)

08:00 – 17:00  
08:30 – 09:00  
09:00 – 10:20  
10:20 – 10:40

Registration (near Golden Pavilion Room)  
**Welcome Ceremony (Golden Pavilion Room)**  
**Keynote Talks (Golden Pavilion Room)**  
Coffee Break (Golden Pavilion Room)

Session D2A-A (Golden Pavilion Room)

**GAI/HyperNet (Session Chair: Ao Guo, Nagoya University, Japan)**  
Zoom ID: 8834229453 Password: 345168

Session D2A-B (Sapphire Room)

**HIEM (Session Chair: Antonio Guerrieri, National Research Council of Italy, Italy)**

Session D2A-C (Jade Room)

**DASC A (Session Chair: Tadashi Dohi, Hiroshima University, Japan)**

Session D2A-D (Ruby Room)

**CyberSciTech A (Session Chair: Jiaqiang Wang, Waseda University, Japan)**  
Zoom ID: 88511811308 Password: 620325

10:40 – 11:00  
11:00 – 11:20  
11:20 – 11:40  
11:40 – 12:00  
12:00 – 13:30

Leveraging ECG Signal for People Identification under Different Emotion States - Zhiyang Huang, Yang Guo, Wai-Hing Chan, Junhua Ma, Xue Chen, Yanyan Wu  
Paradigm Shift in Foreign Language Teaching Practices in the Age of AI - Case Studies of Chinese and Japanese Learners - Xiaolin Wei, Shuang Zhuo, Ying Zhao, Ruyang Yao  
Online Sequence-Independent Radiology Report Generation Leveraging Hierarchical Encoding for Text and Images - Yufei Pan, Kai Li, Han Shi, Jinghui Fang, Shaojie Tang  
An Efficient PPO-GAN-BLSTM model for predicting Left Atrial Area - Wang Dong, Zhou Guoyang, Jinghui Xu, Jiao Eduardo Barrios, Gio Jose Velez Iba

Achieving a Privacy-Aware IoT-Enabled Platform for Bathrooms Monitoring in Beach Resorts: A Case Study - Giovanni Campar, Davide Cammarata, Marco Di Marzio, Corrado Santoro, Federico Fusco, Barbara  
A Comprehensive System for Indoor Appliance Detection and User Interaction - Francesco Condorelli, Fabrizio Rossi, Corrado Santoro, Federico Fusco, Barbara  
Examining Performance of Actor Deployment on Distributed IoT Coffee Shop Infrastructures - Mariana Mazzucco, Alessandro Presta, Rosa Nardone, Andrea Vio  
Graph Attention Network with LSTM for Smart Contract Vulnerability Detection - Kyeongjae Jung, Hyunah Ri, Heesun Jang

W/o IoT: Registering and Evaluating the Security and Resilience of Internet of Things and Connected Devices Using a Collaborative Platform - Jian Zhang, Fuhua Jiang  
DASC A Virtual Reality Tutor for Industrial Plant Risk - Leonardo Cal Remington, Orian Salomoni, Stephanie Valentin, Gal Baryer Reikley, Stephen Haim, Francis Jagan, Steven Chai, Amel Zamaria, Cheryl Max G Wilson  
Cybersecurity Domains: A Design Pattern for Creating Zero Trust Architectures through Monogovernance - Claudio Zanasi, Marco Marchetti, Michele Colonna  
Operational Allocation of Disaster Response Workload Networks Motivated Zermelo AI  
Reinforcing Deep Learning Algorithms for Intrusion Detection IoT Networks - Enzo Murolo, Fahmi Jafer

CyberSciTech A (Session Chair: Jiaqiang Wang, Waseda University, Japan)  
Zoom ID: 88511811308 Password: 620325  
Online Representation Learning for Complex Networks - Shiyu Chen, Jun Hu  
Online Intelligent Task Offloading in 5G Driven Digital Twin Systems via Hybrid Federated and Reinforcement Learning - Shivam Goel, Sudhar Kumar, Sanku K. Singh, Bin Li, Gupta, Varsha Arora, Yogesh Tiwari  
Online Advanced Evaluation of Propagation Models and Routing Protocols in Vehicular Ad Hoc Networks - Anmol Jaswal, Bunt K. Singh, Sudhar Kumar, Keen Tai Chu, Bin Li, Gupta  
Online SA-PDO Approach for Optimizing QoS Management in SDN Service Chains - Wen Ji, Chenhan Lin, Jiang Liu, Hongyang Xu, Linghe Xu, Jun Ho

Session D2P-A (Golden Pavilion Room)

**CyberSciTech B (Session Chair: Lai Tu, Huazhong University of Science and Technology, China)**

Session D2P-B (Sapphire Room)

**PICOM A (Session Chair: Federico Fausto Santoro, University of Catania, Italy)**

Session D2P-C (Jade Room)

**EDCSTA (Session Chair: Bernady Apudhan, Kyushu Sangyo University, Japan)**  
Zoom ID: 8253545293 Password: 293729

Session D2P-D (Ruby Room)

**CyberSciTech C (Session Chair: Jia Guo, Hubei University of Economics, China)**  
Zoom ID: 88511811308 Password: 620325

13:30 – 13:50  
13:50 – 14:10  
14:10 – 14:30  
14:30 – 14:50  
14:50 – 15:10  
15:10 – 15:30

A Study on Adaptive Clustering Algorithms for Differential Privacy Enhancing Cyber Security and Trade - Siman Chen, Wei Lang  
Adversarial Evaluation of AI-Based Security Alert Screening Systems - Samrat Nishita, Tan Bao, Takashi Tashiro, Akira Yamada, Seiditi Osawa, Daikoku Inoue  
Privacy-Preserving Parameter Aggregation Scheme Based on Two Leaders for Federated Learning - Weiyu Wang, Zhutian Luo, Tianhu Li, Kaoshan Shen, Chunhua Su  
Traffic Prediction by Integrating Multi-Cycle Features and Spatio-Temporal Correlations - Lin Avesha, Benjiam Huang, Lu Tu

A Study on Consumer Grade EEG Headsets in IoT Applications - Luigi Rizzi, Paolo Ziani, Franco Cecchi, Antonio Guerrieri, Massimo Miceli, Andrea Vio  
Comprehensive Analysis of Dog Emotions Using Skeletal and Visual Features - Chuang Yu Chang, Jia-Yee Chia, Hu-Huang Hsu  
Security-Critical Inspired Heat Activity Monitoring Using FMCW Radar - Yaldir Baran, Mu Min, Yunting Luo, Alex Qi, Yong Du  
Subject General and Subject Specific Emotion Recognition Across Video Stimuli Using ECG Signals - Zhiyang Huang, Ao Guo, Junhua Ma  
Multimodal Sequential Deep Learning for Application Detection in Peoples Living with Demencia - Shehroz S. Khan, Grant Lau, Bing Ye, Krishna Nemmani, Alex Vlahopoulos, Antonia Ionescu

Message Routing Protocol for OTN based on Road Network Density - Kazuma Matsubara, Naohito Hayashibara  
Hybrid IoT Programming with Data Flows and Modulo - Masaru Tanaka, Soya Ogura, Nobumasa Morioka  
K-Means & Virtual Reality Tutor for Industrial Plant Risk - Leonardo Cal Remington, Orian Salomoni, Stephanie Valentin, Gal Baryer Reikley, Stephen Haim, Francis Jagan, Steven Chai, Amel Zamaria, Cheryl Max G Wilson  
Online Congestion Prediction for Multimodal Learning of Audiovisual Data - Kot Ide, Yuki Toyosaki, Kai Cheng, Kenkai Abe  
Online Investigating the Impact of COVID-19 Pandemic on Education by Learning Analytics - Katsuke Abe, Kai Cheng

Online Attack Path Extraction Based on VNFs and SDSCN - Zi Jiang, Li Chen, Yong Li, Gang Yu, Fan Yang, Yan Yang  
Online SAR/BT Scalable Test Communication Pattern BFT Protocol - Jianyu Yang, Xiaodong Wang, Hu Lin  
Online Lightweight N-to-End-to-End Verifiable Computing Scheme in Cloud Computing Compositions - Anisae Pele, Yaling Chen, Yun Luo, Ziding Li, Jiang Wei  
Online Optimal Block Chain Outlining w/ Consensus and Blockchain Sharing Strategy Using Deep Reinforcement Learning - Tianuo Chen, Lin Liu, Lihua Wu, Xiaoping Yuan

Session D2P-E (Golden Pavilion Room)

**CyberSciTech D (Session Chair: Wald Brähm, Hanoi University, Japan)**  
Zoom ID: 88075176058 Password: 053023

Session D2P-F (Sapphire Room)

**PICOM B (Session Chair: Claudio Miceli, Federal University of Rio de Janeiro, Brazil)**

Session D2P-G (Jade Room)

**ECDSA/ADSN (Session Chair: Junichi Furusaka, Hiroshima City University, Japan)**

Session D2P-H (Ruby Room)

**CyberSciTech E (Session Chair: Jia Guo, Hubei University of Economics, China)**  
Zoom ID: 88511811308 Password: 620325

15:30 – 15:50  
15:50 – 16:10  
16:10 – 16:30  
16:30 – 16:50  
16:50 – 17:10  
17:10 – 17:30

Detecting Critical Points in Breaching Cyberspace Attacks with Epistemic Reference - Hadwan Wang, Wald Brähm, Junhua Ma, Mu Min, Alex Qi  
Automated Decision Making in Roundabouts Using Deep Reinforcement Learning and Heuristic Rules - Xinghao Huang, Zhiwen Yu, Zhipeng Han, Erfa Yang, Jingping Lu, Bo Guo  
Online Deep Knowledge Tracking Model Integrating Multiple Feature Personalization Factors - Yuxuan Wang, Xinlong Xu, Feijun Meng  
Online Improved VQO-DR for Payment Path Detection Using Deformation Convolution and Bidirectional Graph Neural Network - Xieqing Wu, Haifeng Hu, Hai Ding, Shuang Wang, Chaiti Chaiti, Yangting Duo  
Online Multimedia Video Header Image Classification Based on Faster RCNN - Bo He, Jing Cai, Ping Cai, Weiming Ke, Xian Xie, Xinyao Zhao, Zhiyuan Lin

Migrating VM Applications from Monolithic to a Modular Approach Based on the InyoCI Middleware - Scanziano and Janina - Jakub Mik  
Proactive Policy Enforcement, Proactive Policy Enforcement  
A Computer Vision Solution for Path Planning in Mobile Robots - Federico Fausto Santoro, Corrado Santoro, Maria Russo, Claudio Ruggeri  
Capturing Self Information for iMEMO-based Scene Recognition Using Graph Attention Networks - Tong Xu, Jiahui Feng, Seiki Kawato, Junji Shinozaki  
Reducing the Influence of Individual Variability in iMEMO-based Fatigue Detection Using Transfer Learning - Renwei Liu, Jiahui Feng, Seiki Kawato, Junji Shinozaki, Jiahui Feng, Seiki Kawato  
Enhancing Robotic Systems Through a Distributed Multi-Agent Digital Twin Environment - Federico Fausto Santoro, Corrado Santoro, Maria Russo, Giovanni Campar

Smart Factory Detecting Visual Spoofs from an Angled Viewpoint - Jian-Liwen Sanyon, Adria Valenzuela, Marc Magagnoli, Percy Rico Flores, Benjamin Hain, Francis Jagan, Aigun, Stephanie Valentin, Cheryl Max Wilson, Blanca Choi, Amel Zamaria, Elise Thielmann  
General Management Support Application for Operations Managers and Robotics Systems - Toshiko Uchiyoshi, Chihiro Sawaguchi, Yoshihiro Yoshida, Hayato Sakakima, Kentaro Nakamura  
Early Detection of User Dynamics Overcoming Through Frequency Analysis of Time-Series Data - Masaki Aoki, Kazuki Nakajima, Chisa Tsukano  
Introducing Term Embedding Requesting Scheme to Segmental File Download Methods Using Parallel TCP/TCPMTCP Connections on Multiple Paths - Junichiro Ishizuka, Noriaki Honda  
Bernardi's Perceptron as Vertical Hardware: A Probabilistic Analysis - Kenta Fukushima, Sumiko Miyake, Masaki Aoki

Online Network Intrusion Detection Algorithms based on LightGBM Model and Improved Particle Swarm Optimization - Vicent Genç, Hayatung Hu, Zhenshen Gu, Zhiyuan Lin  
Online Improving Example Quality in Black Box Hard Label Text Adversarial Attacks - Danye Xu, Pengyan Wang, Guang Li  
Online Model Uncertainty Estimation Based on Unlabeled New Data Distribution in Network Traffic Classification - Mingyao Liu, Pan Wang, Yinghui Ye, Ruiqi Chen  
Online Private Comparison Based on Digital Decomposition for IoT Cloud Environments - Ziding Li, Yaling Chen, Yun Luo, Xinlin Pei, Yingqi Qu

Session D3A-A (Golden Pavilion Room)

**CyberSciTech F (Session Chair: Francesco Piccialli, University of Naples Federico II, Italy)**

Session D3A-B (Sapphire Room)

**CyberSciTech G (Session Chair: Jiuhe Zhang, The University of Electronic Communications, Japan)**

Session D3A-C (Jade Room)

**CyberSciTech H (Session Chair: Wald Brähm, Hanoi University, Japan)**  
Zoom ID: 88075176058 Password: 053023

Session D3A-D (Ruby Room)

**CyberSciTech I (Session Chair: Jianming Zhao, Waseda University, Japan)**  
Zoom ID: 88511811308 Password: 620325

10:20 – 10:40  
10:40 – 11:00  
11:00 – 11:20  
11:20 – 11:40  
11:40 – 12:00  
12:00 – 13:30

Leveraging Digital Twins and Generative AI to Effective Urban Mobility Management - Maurizio Caracciolo, Sara Ambrogi, Eduardo Precioso, Fabio Giampaolo Salvatore, Corrado Piccialli  
Evaluation Function Using Utility of Multiple Types at Disaster - Kobunshi Ban, Noritaka Kamiyama  
Energy Efficient Reliability Data Storage Scheme in heterogeneous Cloud-environment - Zhiyong Huang, Zhiwen Yu, Zhipeng Han, Erfa Yang, Jingping Lu, Bo Guo  
Motion Deburring by Fusing Multi-Scale Image Features - Shihua Zhang, Fan He, Xu, Xiaohao  
An Automated Memory Image Forensic Scheme for Linux Systems based on Canonicalization Technique - Rufan Chen, Hu Li, Qingxin Liu, Hu Li

GDPR & Concomitant Task Allocation Method Based On Overall Participant Performance - Jiaengen Xu, Zhiwen Yu, Zhaozhong Huang, Lei Z  
Money Adjustment Among ISPs based on Cooperative Games for ICN Promotion - Masaki Ito, Noritaka Kamiyama  
Assessing ChatGPT-Generated Comments for Video Content Rating in Online Learning - Jia Wang, Jian Chen, Qun Jin  
Bandwidth-Adaptive Semantic Communication System with Non-Real Time Image Compression - Jia Wang, Cuiyue Wu, Jia Wang, Yanglei Lu, Zhenyao Du, Yu Si, Weiguo Bao  
Fuzzy Logic-Based Deep Reinforcement Learning Pre-Training: A Case Study in MEC Task Offloading - Jiuhe Zhang, Yanglin Liu, Zhenyao Du, Weiguo Bao

Online Research on Virtual Resource Scheduling Algorithm Based on Multi-Objective Optimization - Cheng Zhiyong, Xiaogang Chen, Qian Wang, Wei Li, Chenhan Lin  
Model Extraction Attacks on Test-to-Image Generative Adversarial Networks - Ying Chen, Weihao Guo, Pinggang Dai, Xiang Li, Zhang Yu, Zhiyao  
A Perceptive, Efficient and Practical Framework for Real-Time Privacy-Preserving Machine Learning Through Hybrid Homomorphic Encryption - Xingya Nguyen, Minhda Nguyen, Eugene Fong, Tanveer Khan and Antonio Michalek  
Improving the Usability of Automated Vulnerability Scoring - Roshan Lal Mishra and Andrea Pugliese

Online Short-term Solar Irradiance Forecasting Based on CNN-Transformer Model - Chun Wang, Ha Wang, Jian Bi, Ke Yan  
Online Address Selection for Multi-Party Conversations in Cyber-Physical-Social Systems - Xiaoming He, Yuntang Jiang, Haijun Cai, Yinghui Lu, Zhenyao Du, Zhiyuan Lin  
Online Unsupervised Anomaly Behavior Detection in Power Information Networks based on Discriminative Sequential Segmentation - Xue W, Wei Sun, Jia Li, Peng Gao  
Online IoT Intrusion Detection Using SDN Cloud-Edge Collaboration and Ensemble Deep Learning - Yuhao Xu, Yanyan Li, Sun Zhen  
Online Password Cache Detection Based on Channel Attention Mechanism - Guoli Li, He Huang, Ning Xiang, Liang Xing, Liang Yu, Fei Dai, Zhong Lin, Zhiyuan Lin

Session D3P-A (Golden Pavilion Room)

**CyberSciTech J (Session Chair: Yagang Du, Tohoku University, Japan)**

Session D3P-B (Sapphire Room)

**PICOM C (Session Chair: Andrea Vincini, ICAR-CNR, Italy)**

Session D3P-C (Jade Room)

**DASC B (Session Chair: Naohito Hayashibara, Kyoto Sangyo University, Japan)**

Session D3P-D (Ruby Room)

**CyberSciTech K (Session Chair: Guangsun Xu, Hangzhou Medical College, China)**  
Zoom ID: 88511811308 Password: 620325

13:30 – 13:50  
13:50 – 14:10  
14:10 – 14:30  
14:30 – 14:50  
14:50 – 15:10  
15:10 – 15:30

Integrated Evaluation System for Intelligent Model - Xuhui Yang, Zhaohao Lan  
False News Detection based on Content Learning and Cascading Attention - Fu Li, Hu Zhang, Zhiyuan Lin, Shuang Wen  
Analysis of Business Model of Co-Creation Digital Twin City Using Evolutionary Game - Kaku Kondo, Noritaka Kamiyama  
Evaluating Enhancing Data Privacy through Selective False Anonymization in Public Events - Charles Vranckx, Abdel Chahbouni, Bahareh Jangjoo, Jangjoo, Chuanhua Tang, Naohito Hayashibara, Waseem Alkhatib,