

# Program

Date: November 28 (Thursday) Time: 13:00 ~ 14:30 Location: ENEOS Hall (main)	
Paper No.	<b>Session 1: Smart Home and Smart City</b> Chair:
C000018	<b>An Effective Vehicle Trajectory Restoration Algorithm by Using Center Trajectory</b> Yung-Hao Shiau, Chih-Chieh Hung, Chun-Wei Tsai
C000016	<b>Connected Shared Spaces: Expert Insights into the Impact of eHMI and SPIU for Next-Generation Pedestrian-AV Communication</b> Vishal Chauhan, Anubhav Anubhav, Chia-Ming Chang, Jin Nakazato, Ehsan Javanmardi, Alex Orsholits, Takeo Igarashi, Kantaro Fujiwara, Manabu Tsukada
C000020	<b>A Training-free Neural Architecture Search for Electricity Load Prediction</b> Ting-Hsuan Pei, Chun-Wei Tsai
C000022	<b>Generating Spatially-Aware Dense Video Captions for Indoor Human Behavior Analysis with Position-Based Scene Knowledge</b> Bin Chen, Yugo NAKAMURA, Shogo FUKUSHIMA, Yutaka ARAKAWA
C000015	<b>Mining Cross-level FrequentWeighted Closed Itemsets in Hierarchical Quantitative Databases</b> Jimmy Ming-Tai Wu, Tian-Yi Guo, Chun-Wei Tsai

Date: November 28 (Thursday) Time: 13:00 ~ 14:30 Location: ENEOS 2	
Paper No.	<b>Session 2: Security and Privacy, Big Data</b> Chair:
C000030	<b>Identification of first-level national protected animals based on YOLOv5 and YOLOv8 algorithms</b> Haoyu Wang, Ta-Wen Kuan, Xiaodong Yu
C000021	<b>An Effective Text Data Augmentation Method for Filtering Inappropriate Webpages</b> You-Cheng Chen, Cheng-Han Hsieh, Shou-Chuan Lai, Whai-En Chen, Chun-Wei Tsai
C000013	<b>Core Trends in Complex Networks for Social Network Analysis</b> Matin Pirouz
C000010	<b>OAuth 2.0 Authentication Framework with Context-based Risk Assessment for AI Chatbot-based RPA</b> Soonhong Kwon, Wooyoung Son, Jong-Hyook Lee
C000024	<b>Geographic-Aware Network Analysis and Visualization System for CAVs</b> Koichi Kambara, Ehsan Javanmardi, Jin Nakazato, Shunya Yamada, Hiroaki Takada, Yousuke Watanabe, Kenya Sato, Manabu Tsukada

Date: November 28 (Thursday) Time: 15:00 ~ 16:15 Location: ENEOS Hall (main)	
Paper No.	<b>Session 3: Deep learning and Intelligent System</b> Chair:
C000036	<b>Cross-Attention Enhanced Imitation Learning for End-to-end Autonomous Driving in Unprotected Turns</b> Dongyang Li, Ehsan Javanmardi, Naren Bao, Manabu Tsukada
C000040	<b>Exploring LLM architecture for generating Cypher queries</b> Dimitrios Giakatos, Romain Fontugne
C000019	<b>An Effective Metaheuristic-Based Structured Pruning Method for Transformer in Short-Term Load Forecasting</b> Luo-Fan Wu, Gagan Vishwakarma, Chun-Wei Tsai
C000014	<b>iTOChat2024: Development and Evaluation of a Department Recommendation Bot for Open Campus</b> Sho Futamura, Isshin Nakao, Shusaku Kita, Ryusei Fujimoto, Tsunenori Mine

Date: November 29 (Friday) Time: 11:00 ~ 11:50 Location: ENEOS Hall (main)	
Paper No.	<b>Session 4: Deep learning and Intelligent System</b> Chair:
C000044	<b>TimeSync: GAN-Driven Temporal Feature Synchronization for Robust Collaborative Perception in Autonomous Driving</b> Yalong Li, Zhaoyang Du, Rui Yin, Wugedele Bao, Ha Si, Celimuge Wu
C000028	<b>LiDAR-Camera Fusion for Video Panoptic Segmentation without Video Training</b> Fardin Ayar, Ehsan Javanmardi, Manabu Tsukada, Mahdi Javanmardi, Mohammad Rahmati

Date: November 29 (Friday) Time: 13:00 ~ 14:30 Location: ENEOS Hall (main)	
Paper No.	<b>Session 5: Deep learning, Intelligent System and Augmented Reality</b> Chair:
C000026	<b>Neural Error Covariance Estimation for Precise LIDAR Localization</b> Minoo Dolatabadi, Fardin Ayar, Ehsan Javanmardi, Manabu Tsukada, Mahdi Javanmardi
C000011	<b>Secure User-to-Chatbot Authentication Using One-Time Session Keys Based on DID</b> Wooyoung Son, Soonhong Kwon, Jong-Hyouk Lee
C000046	<b>Design of an Orchestrator for Network-Controlled Repeaters</b> Takuya Takahashi, Jin Nakazato, Kazuki Maruta, Arokia Nathan, S.B Cha
C000052	<b>PLATONE: Assessing Simulation Accuracy of Environment-Dependent Audio Spatialization</b> Alex Orsholits, Eric Nardini, Tsukada Manabu
C000039	<b>3D Object Detection Enhancement Based on Multi-frame Point Cloud Registration (MF-PCR)</b> Jun-Rui Wang, Hsiang-Jui Lin, Chi-Sheng Shih

Date: November 29 (Friday) Time: 13:00 ~ 14:30 Location: ENEOS 2	
Paper No.	<b>Session 6: Intelligent of Things and Augmented Reality</b> Chair:
C000029	<b>Research on the Human-Style Generation Mechanism of Large Language Models Based on Prompt Tuning — Optimization and Evaluation of AI Detectors under the SICO Method</b> jiawei ding, lingyue pan, xinrong zhu, ying chen
C000031	<b>Where Do You Go? Pedestrian Trajectory Prediction using Scene Features</b> Mohammad Ali Rezaei, Fardin Ayar, Ehsan Javanmardi, Manabu Tsukada, Mahdi Javanmardi
C000012	<b>Digital Twin Based Open Platform for IoT Offloading Control: Enabling System Transparency and User Participation</b> Yusuke Sugizaki, Jin Nakazato, Manabu Tsukada
C000032	<b>An Accurate Weight Classification System for Live Fishes</b> Whai-En Chen
C000035	<b>MR Kabuki: Mixed Reality Enabled Performing Arts</b> Soko Aoki, Akinori Inada, Masashi Tomita

Date: November 29 (Friday) Time: 15:00 ~ 16:15 Location: ENEOS Hall (main)	
Paper No.	<b>Session 7: Machine Learning and Data Mining</b> Chair:
C000027	<b>Unsupervised Person re-identification Using Generative Adversarial Networks</b> Romina Zakerian, Ehsan Javanmardi, Manabu Tsukada, Mahdi Javanmardi, Mohammad Rahmati
C000041	<b>UAV Autonomous Control Using Multi-Agent Reinforcement Learning in a Cooperative Control UAV Network</b> Hideya So, Jin Nakazato
C000034	<b>Classroom Behavior Identification and Analysis based on ResNet-50 and YOLOv5</b> Xin Guo, Zi yue Wang, Xuan Sun, Ping Dong, Yi Yang
C000017	<b>Paired-Data Transformations for Weather-Affected Images</b> Jung Hwan Kim, Dong Seog Han

Date: November 29 (Friday) Time: 15:00 ~ 16:15 Location: ENEOS 2	
Paper No.	<b>Session 8: Intelligent Networks and Mobile Computing</b> Chair:
C000023	<b>Toward 6G Mobility Networks: A Proposal for Cell-Free Cooperative Distributed Beamforming</b> Jin Nakazato, Sojin Ozawa, Yuki Sasaki, Kengo Suzuki, Kazuki Maruta, Tetsuya Iye, Yuki Susukida, Eisaku Sato, Manabu Tsukada
C000047	<b>Design of Network-Controlled Repeter Deployment toward mmWave Coverage Enhancement</b> Taisei Miyaoka, Yuki Sasaki, Kazuki Maruta, Jin Nakazato, Arokia Nathan, S.B Cha
C000033	<b>Redundancy Mitigation Rules Considering Vehicle Driving Environment for Collective Perception Messages</b> Shinya Yamasaki, Onur Alparslan, Kenya Sato
C000045	<b>Performance Analysis of Collaborative Uplink MIMO Transmission Considering Signaling Overhead</b> Anbo Yue, Kazuki Maruta