

IS3C2023 Poster Presentation List

Poster			
Jun. 30 09:00- 12:00	Paper No	Paper Title	Authors
	#1095	Medical Image Segmentation based on Image Transformer	Hsiu-Ming Lin Guo-Shiang Lin Chuan-Wang Chang
	#1007	A Collaboration Federated Learning Framework with a Grouping Scheme against Poisoning Attacks	Chuan-Kang Liu Chi-Hui Chiang
	#1085	Apply Augmented Reality Technology in Brick Kiln Technology Preservation and Cultural Reproduction	Chieh-Ling Huang Yu-Siang Mao Indra Griha Tofik Isa
	#1086	The effect of image overlap rate on 2D map stitching of Aerial images	Chieh-Ling Huang Sheng-Chih Yang I-Mei Wang Suhartono
	#1195	Sound based fault classify diagnosis method using artificial neural network and autoencoder processing	Ke-Wei Lin Wei-Ling Lin Ying-Pin Tsai Fu-Li Hsiao
	#1237	Wearable PVDF-TrFE-based Pressure Sensors for Throat Vibrations and Arterial Pulses Monitoring	Dai-Wei Huang Ji-Lan Liu Ching-Te Kuo
	#1028	Development of real-time mobile air pollution data collection and analysis system	Yin-Chen Lin Sheng-Chih Yang Shu-Cing Wu Chi-Yuan Lin Yue-Jing He Chi-Chun Chen
	#1052	Applying Evolutionary Algorithms to Optimize Hyperparameters for Prediction Model of Solar Power Generation	Hsing-Hung Lin

Poster			
Jun. 30 09:00-12:00	Paper No	Paper Title	Authors
	#1150	A Strategy of Modified Joint Source-Channel Trellis Based on Optimal Trellis Decoding Algorithm	Yin-Chen Lin Jyun-Jie Wang Sheng-Chih Yang Chi-Chun Chen Chi-Yuan Lin
	#1008	Establishing Suitable White Light Source and Perception Models for Beauty Aromatherapy Application	Hung-Chung Li Chun-Hsun Huang Pei-Li Sun
	#1104	Microgrid Using Intelligent Controlled DSTATCOM for Power Quality Enhancement	Kuang-Hsiung Tan Faa-Jeng Lin Meng-Yang Li Chih-Chan Hu
	#1111	Simulation and Testing of PV System Characteristics for the Utility Interface by CNS 15382 Standard	Yu-Jen Liu Po-Yu Hou Huai-Jhe Su
	#1155	Multi-Functional Power Conditioning System for Microgrid	Cheng-I Chen Yung-Chun Chan Chung-Hsien Chen
	#1156	Optimal Energy Management System Based on Particle Swarm Optimization for Microgrid	Cheng- I Chen Chung-Hsien Chen Yih-Der Lee
	#1296	Study on Harmonic Suppresions by Optimization-based Three-Phase Three-Wire PV-APF	Yu-Jen Liu Po-Yu Hou Tsung-Han Kuo Yih-Der Lee Chin-Chan Cheng Yen-Fu Chen
	#1282	Developing an Intelligent Gait Analysis System based on Deep Learning	Hung-Jen Wang Shu-Ching Kuo Chia-Chih Chou Sheng-Tun Li

Poster			
Jun. 30 09:00-12:00	Paper No	Paper Title	Authors
	#1242	A Preliminary Study on the Development of Drones Network Remote Identification Mechanism in Taiwan	Ya-Ling Kao Gin-Der Peng Jai-Tsung Hong I-Ching Lin Yu-Da Lin
	#1146	Interpretation of Transplanted Positions Based on Image Super-Resolution Approaches for Rice Paddies	You-Cheng Chen Yih-Shyh Chiou Mu-Jan Shih

IS3C2023 Remote Video Presentation List

Remote Video Presentation (Online)			
Jun. 30 13:10-14:50	Paper No	Paper Title	Authors
	#1129	Hyperledger-Operated Blockchain Integration: Writing, Deploying and Testing Custom Chaincode	Mark Philip M. Sy Rufo I. Marasigan Enrique D. Festijo
	#1013	On-chip polarization-independent nanophotonics mode splitter and converter enabled by subwavelength metamaterials	Zhenzhao Guo Yaxin Yu Shengbao Wu Jinbiao Xiao
	#1128	An ultra-compact and broadband high extinction ratio polarization splitting directional coupler using nanohole-based metamaterial waveguides	Yufei Chen Shengbao Wu Jinbiao Xiao
	#1176	Chatbots: A Game Changer in mHealth	Md Naseef-Ur-Rahman Chowdhury Ahshanul Haque Hamdy Soliman
	#1177	Transforming Chronic Disease Management with Chatbots: Key Use Cases for Personalized and Cost-effective Care	Ahshanul Haque Md Naseef-Ur-Rahman Chowdhury Hamdy Soliman

★ Presentation videos will be viewed online.

IS3C2023 Paper Presentation Schedule

Friday, June 30

Session Track 1 + Track 3 (LC601): Computer/ AIoT, ICT and Sensor Application

Jun. 30 13:10-14:50	Paper No	Paper Title	Authors
	#1049	Short-Term and Long-Term Idle Time Detectors for Reducing Long-Tail Latency in Solid-State Drives	Kuan-Yu Chen Chin-Hsien Wu Cheng-Tze Lee
	#1100	Modified Coronavirus Herd Immunity Optimization with an ACSAAD Algorithm for Capacitated Vehicle Routing Problems	Yu-Ping Gao Ruey-Maw Chen
	#1014	LabVIEW-Based Power Monitor IoT System	Guoping Wang
	#1033	Design of a MEC-integrated 5G MANO Platform	Hung-Ming Chen Yung-Feng Lu Chun-Hung Tsai Che-Jung Chang
	#1224	Application of IoT Technology in Healthcare: A Case Study of LoRa Technology	Jiun-Hung Lin Chita Chen Yung-Tsung Cheng
	#1261	Analyzing the 3D Image Characteristics for a Pile of Hex Nuts using the Depth from Focus Method	Sheng-Cong You Cheng-Yu Peng

Session Track 2_1 (LC602): Multimedia & Intellegent Computing

Jun. 30 13:10-14:50	Paper No	Paper Title	Authors
	#1102	Performance Evaluation of Indonesian Language Forced Alignment Using Montreal Forced Aligner	Griffani Megiyanto Rahmatullah Shanq-Jang Ruan
	#1109	Depth Map Estimation of Single-View Image using Smartphone Camera for a 3-Dimension Image Generation in Augmented Reality	Jun'nosuke Takarabe Irawati Nurmala Sari Weiwei Du
	#1139	Fundus Image Registration with Binary Morphology Extraction of Feature Points	Jes'us Eduardo Ochoa Astorga Weiwei Du Yahui Peng Linni Wang
	#1191	Hand Gesture Recognition via MIMO Radar Sensors and Space- Frequency Domain Information	Tzu-Jung Tseng Jian-Jiun Ding
	#1259	Deep Learning Technology to Improve the Coding Efficiency of H.266/VVC	Jiunn-Tsair Fang Chen-Yu Ou Ting-Chen Yeh Yu-Yang Wang
	#1263	Bipolar Sentiment Analysis of Japanese Social Media Posts: A Semantic Similarity Based Approach	M. Fahim Ferdous Khan Nanami Oi Ken Sakamura
	#1266	Eigenvalues of Correlation Analysis for Higher Education Institutional Data	Masaaki Ida

Session Track 7_1 (LC603): Systems and Control

Jun. 30 13:10-14:50	Paper No	Paper Title	Authors
	#1057	Integrating Deep Learning and Blockchain Technology to Construct an Intelligent Resource Recovery System	Sung-Jung Hsiao Kuan-Hong Chen Guan-Rong Chen
	#1066	Smart Factory by Controlling Quality Air using Fuzzy Method	Wen-Tsai Sung Jenny Aryani
	#1068	Reservoir water level monitoring and flood reminder based on the Internet of Things	Wen-Tsai Sung Jing-Hong Chen
	#1070	Small Object Detection Based On YOLOv7 In Drone Aerial View	Wen-Tsai Sung Chin-Hsuan Lin
	#1072	EMOTION RECOGNITION OF FACIAL EXPRESSIONS AND SPEECH BASED ON DEEP LEARNING	Wen-Tsai Sung Hao-Wei Kang
	#1074	Prototype Measuring Tool for CNC Cutter Connected to Microsoft Azure	Wen-Tsai Sung Febriantoro Muhammad Luthfi Dzulfikri Zaky Nuryanti

Session Track 9-1 (LC604): Artificial Intelligence and Computer Engineering

Jun. 30 13:10-14:50	Paper No	Paper Title	Authors
	#1015	Fast Detection of Fabric Defects based on Neural Networks	Chien-Chang Chen Chia-Hung Wei Cheng-Shian Lin
	#1019	Reducing Computational Requirements of Image Dehazing Using Super-Resolution Networks	Shyang-En Weng Yan-Gu Ye Ying-Cheng Lin Shaou-Gang Miaou
	#1120	Scale Aware and Cross Attention Network for Oil Spill Detection Based on SAR Images	Po-Hao Chen Jun-Wei Hsieh Chuan-Wang Chang Deng-Yuan Huang Yi-Kuan Hsieh Shin-You Teng Yu-Chee Tseng Wei Weng
	#1119	Optimizing Weighted Permutation in Support Vector Machine for the Detection of Epilepsy via EEG Data Analysis	Irawan Dwi Wahyono Shih-Chung Chen
	#1199	Parallel Deep CNN and HED with SPP for Semantic Segmentation	Chen-Ji Wang Nan-Kai Lo Yu-Huan Chien Cheng-Si He Chien-Chieh Huang Yuan-Chen Liu
	#1201	Handwriting Input Method of Math Expression System Design	Nan-Kai Lo Yu-Huan Chien Chen-Ji Wang Cheng-Si He Chun-Yu Chen Yuan-Chen Liu

Session IS-05 (LC601): Network Security Is Applied in the IoT System

Jun. 30 15:10-16:50	Paper No	Paper Title	Authors
	#1050	Construction and Verification of Mobile Digital Learning Module in Practical Training Course of Refrigeration and Air Conditioning in the Electrical and Electronic Cluster of Industry-Oriented Vocational Education	Pei-Chi Chen Sung-Jung Hsiao
	#1051	Exploring the Intention and Effect of Technical Students Learning MOOCs Online Teaching System to Produce Digital Teaching Materials by Technology Acceptance Model	Pei-Chi Chen Sung-Jung Hsiao
	#1054	Intelligent Real-time Parking Space Information System Based on WSNS Architecture	Sung-Jung Hsiao Ding-Jian Huang Yi Lu Chien-Ya Hsu
	#1055	Constructing an intelligent vehicle safety inspection system	Sung-Jung Hsiao Ming-Chih Tsai Yuan-Hsun Wu Shi-Jie Bai
	#1056	Constructing intelligent agricultural monitoring and control system based on the Internet of Things	Sung-Jung Hsiao Yu-Ning Liao Pei-Yin Tseng
	#1064	Aquaculture Monitoring System using Internet of Things	Wen-Tsai Sung Indra Griha Tofik Isa

Session IS-03_1 (LC602): Advanced Computer Vision

Technologies

Jun. 30 15:10-16:50	Paper No	Paper Title	Authors
	#1021	A Two-Stage Pipelined Algorithm for Recognition Tasks: Using License Plate Recognition as an Example	Jia-Ming Yeh Garnett Chang Jason Lee Wei-Yang Lin
	#1038	Tracking and Analyzing Locomotor Changes in Zebrafish	Chien-Feng Chiu Yu-Hao Lee An-Bang Liu Hsin-Ru Liu Wei-Min Liu
	#1096	Hybrid-learning Based Driving Behavior Prediction for Route Follow in Autonomous Vehicle	Abida Khanum Chao-Yang Lee Chu-Sing Yang
	#1097	High-Resolution Art Painting Completion using Multi-Region Laplacian Fusion	Irawati Nurmala Sari Kei Masaoka Jun'nosuke Takarabe Weiwei Du
	#1103	Early Alzheimer's Disease Detection Through YOLO-Based Detection of Hippocampus Region in MRI Images	Junaidul Islam Elvin Nur Furqon Isack Farady Chi-Wen Lung Chih-Yang Lin
	#1132	Shoulder and Knee Abnormality Examination Based on Artificial Landmark Estimation	Fityanul Akhyar 、Inung Wijayanto 、Sofia Saidah 、Muhammad Khadafi 、Rika Jesicha 、Nabilla Anggraini 、Ghanes Mahesa Aditya 、Aldilano Bella Marlintha 、Isack Farady 、Chih-Yang Lin
	#1145	Vanishing Points Detection with Line Segments of Gaussian Sphere	Kei Masaoka Irawati Nurmala Sari Weiwei Du

Session IS-06 (LC603): Engineering Applications of Deep Learning and Artificial Intelligence (EADLAI)

Jun. 30 15:10-16:50	Paper No	Paper Title	Authors
	#1040	Deep Learning Training Strategies for Severely Imbalanced Data in Organ Segmentation Tasks	Hsin-Hui Wang Chin-Yun Liu Shih-Kai Hung Liang-Cheng Chen Hui-Ling Hsieh Wei-Min Liu
	#1094	GAN-based Data Augmentation for Metal Surface Defect Detection Using Convolutional Neural Networks	Ling-Shen Tseng Chih-Hung Wu Yi-Han Chen Chuing-Hui Tsai
	#1122	Automatic identification of lung diseases based on cough sounds by using hidden Markov Model	Bo-Kai Lee You-Qian Wu Dong-Shuo Lai Shing-Tai Pan
	#1143	Person Search Based on Feature-Aligned Architecture	Pei-Xuan Lin Po-Yuan Lai I-Hsuan Ni Chih-Chin Lai
	#1257	Intelligent Gait Parameter Analysis System Based on Deep Learning and Human Skeleton Detection in Videos	Yi-Hung Chiu Cheng-Yeh Tsai Chen-Sen Ouyang Chi-Hsien Huang Yu-Chang Chen San-Yuan Wang Huei-Ping Dong

Session Track 9_2 (LC604): Artificial Intelligence and Computer Engineering

Jun. 30 15:10-16:50	Paper No	Paper Title	Authors
	#1026	Forecasting Local Fiscal Expenditures Using Hybrid Time-Series Spatial Autocorrelation Analysis	Po-Yin Chang Chan-Jui Chang Qi-En Pan Su-Hui Chu Lin-Xiang Qiu Yu-Ling Liu
	#1121	mixNet for Scene Text Detection	Yu-Xiang Zeng Jun-Wei Hsieh Chuan-Wang Chang Deng-Yuan Huang Yi-Kuan Hsieh
	#1125	Self-training and Label Propagation for Semi-supervised Classification	Yu-An Wang Che-Jui Yeh Kai-Wen Chen Chen-Kuo Chiang
	#1200	A Research of Single Image Super Resolution Optimization Base on Convolution Neural Network	Tzu-Hsuan Hsieh Yu-Huan Chien Nan-Kai Lo Cheng-Si He Chen-Ji Wang Yuan-Chen Liu
	#1041	Experimental Applying Acoustic Emission to Fault Diagnosis and Prediction of Autonomous Devices	Zhong-Kai Zheng Joy Iong-Zong Chen

IS3C2023 Paper Presentation Schedule

Saturday, July 1

Session Track 6_1 (LC601): Renewable Energy			
Jul. 1 10:20-12:00	Paper No	Paper Title	Authors
	#1004	A Dual-channel Converter with a Positive Output and a Negative Voltage Output	Yeu-Torng Yau Thanh-Phu Luu
	#1006	Overview of Up-to-Date Frequency Control Technologies for DFIG- and PMSG-based Wind Turbines	Yuan-Kang Wu Baolong Phung Nguyen Tung Trinh Duc
	#1016	Review of Power System Reliability Indices for Renewable Energy Environments	Yuan-Kang Wu Quoc Thang Phan Baolong Phung Nguyen
	#1035	Application of Virtual Synchronous Generator in Power Systems	Wen-Zhuang Jiang Ching-Jung Liao Yen-Feng Hsu
	#1036	Overview of Coordinated Frequency Control Technologies for Wind Turbines, HVDC and Energy Storage Systems	Yuan-Kang Wu Tung Trinh Duc Baolong Phung Nguyen
	#1043	High Step-Up Converter	Kuo-Ing Hwu Pei-Ching Tseng
	#1197	Quick SOH and SOC estimation for commercial 18650 Li-Ion Batteries	Yu-Kuo Chang Kao-Chin Lee Chen-Kang Huang

Session Track 7_2 (LC602): Systems and Control

Jul. 1 10:20-12:00	Paper No	Paper Title	Authors
	#1010	Multispectral Image Fusion based on Variational Autoencoder Network	Bo-Lin Jian Ching-Che Tu Wen-Lin Chu
	#1012	Control of Underactuated Dynamics in Active Tuned Mass Damper Systems	An-Chyau Huang Jen-Hao Cheng
	#1032	Remarks on a Nonlinear Model Predictive Control Using an Echo State Network	Kazuhiko Takahashi Miku Sasaki Reika Kimura Masafumi Hashimoto
	#1082	Modeling of a Motor-driven Propeller Dynamics System by Neural Ordinary Differential Equation	Chao-Chung Peng Yi-Ho Chen
	#1147	Performance Evaluation of a Quadcopter by an Optimized PID	Wei-Hong Chen Joy Iong-Zong Chen
	#1245	A Remote-Controllable Variable Frequency Drive	Chun-Hsi Su Yian-Ting Chen

Session Track 8 (LC603): Digital signal processing

Jul. 1 10:20-12:00	Paper No	Paper Title	Authors
	#1011	A Rational Graph Filter Method for GFT Centrality Computation	Chien-Cheng Tseng Su-Ling Lee
	#1020	Polynomial Graph Filter Design Using Legendre Polynomials	Chien-Cheng Tseng Su-Ling Lee
	#1022	FPGA Based Spectral Domain Optical Coherence Tomography (SD-OCT) System: Design and Implementation	Yi-You Lin Chen-You Chaing Hao-Li Liu Meng-Tsan Tsai
	#1023	FPGA-Based Modular Ultrasound System Design for Focused Ultrasound Passive Acoustic Mapping	Chen-Yuan Kuo Hao-Li Liu
	#1172	Development of a Multi-frequency Photoacoustic Endoscopy Probe Diagnosis System for Biomedical Applications	Jun-Yan Huang Hsiao-Chuan Liu Jian-Xing Wu
	#1216	Joint Transmit and Reflecting Beamforming Design in IRS-Assisted mmWave MU-MISO Systems with ZF-Assisted SA Algorithm	Cheng-Chih Chao Nien-Chi Hung Jung-Chieh Chen
	#1225	Overlapped Context Modeling Using Feature Mapping Functions in the Adaptive Arithmetic Coding Process for Lossless Encoding	Jian-Jiun Ding Tzu-Jung Tseng

Session Track 4 + Track 5 (LC604): Semiconductor devices & Integrated Circuits/ Consumer Electronics

Jul. 1 10:20-12:00	Paper No	Paper Title	Authors
	#1017	A Broadband Millimeter-Wave 5G Low Noise Amplifier Design in 22 nm Fully-Depleted Silicon-on-Insulator (FD-SOI) CMOS	Liang-Wei Ouyang Jill C. Mayeda Clint Sweeney Gokul Somasundaram Donald Y. C. Lie Jerry Lopez
	#1084	Effects of Chemical Displacing Time for the Characteristics of the Nonvolatile Oxide-based Resistive Memory Devices	Chu-En Lin Bo-Qin Yu Hsin-Chiang You Yi-Ching Cheng Jung-Chih Lin Chi-Chang Wu
	#1220	Deposited Indium-Zinc-Oxide Thin Film by RF Sputtering for pH-Sensing Application	Jung-Lung Chiang Yi-Yan Lin
	#1018	Searching for the optimal current pattern based on artificial bee colony and equivalent circuit model of Li-ion batteries	Guan-Jhu Chen Yi-Feng Luo Chun-Liang Liu Yi-Hwa Liu Po-Yen Chen Hsin-Hao Chiu
	#1182	A simple laser beam divider for mass-production/small-amount-of-variety applications	Ying-Chang Li Faizal Aprillian Chia-Yu Hsieh Meng-Hua Yen Chu-En Lin
	#1196	Development of an Upper Limb Exoskeleton System with Integrated Electromyography Signals	Meng-Hua Yen Lan-Hsuan Yao Yen-Chin Hsu Guo-Shing Huang Chi-Chun Chen

**Session Track 6_2 + IS-01 (LC601): Measured Signal
Collection, Processing and Applications / Renewable Energy**

Jul. 1 13:10-14:50	Paper No	Paper Title	Authors
	#1227	Optimal Energy Management of a Residential Microgrid Using Particle Swarm Optimization	Syuan-Yi Chen Chih-Ting Wu Pin-Jung Chen Chi-Cheng Chen
	#1236	Home Energy Management System for a Residential Microgrid with Photovoltaic and Battery Storage	Syuan-Yi Chen Chi-Cheng Chen Pin-Jung Chen Chih-Ting Wu
	#1099	Detection of Attacks on Industrial Internet of Things Using Fewer Features	Hong-Yu Chuang Ruey-Maw Chen
	#1118	Development of a spindle thermal compensation model by using the optical non-contact thermal measurement system	Tung-Hsien Hsieh Wen-Yuh Jywe Hsin-Yu Lai Yi-Hao Chou Tsai-Hsu Wu
	#1134	Applying AI image recognition and AGV robotic arm transporter to realize automatic fruit defect detection and autonomous handling system	Hang-Hong Kuo Daiby Sunandan Barik Jun-You Zhou Bi-Jiun Chang Yu-Cheng Zhong Yi-Kai Hong Meng-Hua Yen
	#1140	Investigating the presence of mu signal during motor movements using SVM, LDA, and CNN	Maheswar Reddy Yelugoti Cheng-Yi Lin Shih-Chung Chen
	#1183	Influence of Cu/In loading ratio in grain size of the CuInS ₂ films for CuInS ₂ -based solar cells	Ying-Chang Li Kuo-Min Huang Meng-Hua Yen Meng-Chyi Wu Chia-Lung Tsai

Session IS-03_2 (LC602): Advanced Computer Vision

Technologies

Jul. 1 13:10-14:50	Paper No	Paper Title	Authors
	#1130	Uncertainty Stabilized Control Image Blending for End-to-End Imitation Learning Autonomous Driving Model	Zheng-Zhe Wu Chao-Yang Lee Huan-Jung Lin Neng-Chung Wang
	#1136	IDP: Image Denoising Using PoolFormer	Shou-Kai Yin Jen-Hui Chen
	#1137	Aggregated Spatio-temporal MLP-Mixer for Violence Recognition in Video Clips	Yu-Shian Shen Jen-Hui Chen
	#1229	Automatic Recognition of Driving Events based on Deep Learning	Jui-Chi Chen Zhen-You Lian Hsin-You Chiang Chung-Lin Huang Cheng-Hung Chuang
	#1247	Occluded and Deformed Jersey Numbers Recognition by Hourglass Networks with Deformable Convolutional Networks	Shang-Xian Lin Yueh-Shen Tu Jen-Hui Chen
	#1249	Development and application of an intelligent dental diagnosis assistant tool based on deep learning technology	Yu Cheung Chen Chuan-Wang Chang Cheng-Mu Tsai Pai-Yu Ko

Session IS-04 (LC603): Soft Computing and its Applications

Jul. 1 13:10-14:50	Paper No	Paper Title	Authors
	#1027	A circular maze for assessing spatial learning and memory in traumatic brain injury rats	Shu-Cing Wu Chi-Yuan Lin Yin-Chen Lin Yu-Rui Hung Chi-Chun Chen
	#1034	Designning an Improved ML Task Scheduling Mechanism on Kubernetes	Hung-Ming Chen Shih-Ying Chen Sheng-Hsien Hsueh Sheng-Kai Wang
	#1107	Robotic Arm Control Based on Vision Detection for Object Placement Tasks	Bo-Ching Chen Cheng-Jian Lin
	#1108	Fuzzy Validation Mode of Taguchi-based Convolutional Fuzzy Neural Classifier in Lung Cancer Images	Cheng-Jian Lin Tang-Yun Yang
	#1149	A COPYRIGHT PROTECTION AND AUTHENTICATION FOR JPEG IMAGES USING STEGANOGRAPY AND WATERMARKING STRATEGY	Yin-Chen Lin Jyun-Jie Wang Sheng-Chih Yang Dun-Xin Ma Chi-Yuan Lin
	#1190	IoT Liquid Fertilizer Cooling Control System Designed for Agricultural Applications	Hung-Hsin Li Sheng-Chih Yang Jyun-Jie Wang Chi-Yuan Lin Zong-Shang Hong
	#1217	Research on Positioning Information Correction Method of Self-Driving Vehicle Positioning System	Wei-Hsuan Chang Rong-Terng Juang

Session Track 2_2 (LC604): Multimedia & Intelligent Computing

Jul. 1 13:10-14:50	Paper No	Paper Title	Authors
	#1031	DEDGraph: Delay Embedding of Dynamic Graph for Temporal Action Segmentation	Jun-Bin Zhang Pei-Hsuan Tsai Meng-Hsun Tsai
	#1039	An Automated Tracking System for Movement Analysis of C. elegans	Yu-Hao Lee Jian-Feng Chiu An-Bang Liu Hsin-Ru Liu Wei-Min Liu
	#1115	Hydraulic System Failure Prediction Method with Limited Failure Data	Cheng-Hui Chen Yung-Kuan Chan Shyr-Shen Yu
	#1116	Analyzing of Voice Quality with Multi-Dimensional Voice Program for Disease Determination	Rahmi Liza Chen-Kun Tsung
	#1133	Exploring Generative Adversarial Networks for Photo-to-Anime Image-to-Image Translation: A Comparative Study	Pratamagusta Parawita Muhammad Dharmawan Chuan-Wang Chang
	#1148	Application of Information Ethics Education with Virtual Reality Game-Based Learning	Chun-An Lin Chien-Liang Lin You-Chen Chen
	#1158	Visible Watermark Removal with Deep Learning Technology	Chia-Chen Lin Pei-Yu Wang Yan-Heng Lin Hsuan-Chao Huang Saberikamarposhti

Session IS-08 (LC601): Computer Graphics Workshop 2023

Jul. 1 15:10-16:50	Paper No	Paper Title	Authors
	#1204	Texture Mapping for Voxel Models Using SOM	K. C. Kao W. C. Chen S. K. Ueng
	#1254	Common Vertex Buffer LOD: A Novel Discrete LOD Approach to Reducing Load Latency	Hung-Kuang Chen
	#1279	Integrating Rational Unified Process and Design Thinking Approach to Develop Tangible User Interface of Mobile VR Immersive Scenarios Authoring Prototype	Pai-Hsun Chen Lu-Han Chen Yin-Nan Wang
	#1280	A Pilot Study of Applying Machine Learning to Adjust the Content Generation and Personalization in Developing a Virtual Reality Hand Grip Strength Exergame Prototype	Pai-Hsun Chen Yin-Nan Wang Lu-Han Chen
	#1292	A Refractive Distortion Correction Method for 3D Root Reconstruction	Mu-Wei Li Po-Lung Wu Shuen-Fang Lo Yung-Kuan Chan Shyr-Shen Yu

Session IS-09 (LC602): Intelligent Computation and AIoT Applications

Jul. 1 15:10-16:50	Paper No	Paper Title	Authors
	#1226	Deep Learning to Modify the Travel Time of Users Using Public Transportation Services	I-Ching Lin Ya-Ling Kao Yu-Da Lin
	#1238	Application of Genetic Algorithm to Path Planning Problem of Automatic Navigation Parking Spaces in Parking Lots	Yu-Huei Cheng Cheng-Yao Kang
	#1243	Using Generative Adversarial Network Technology for Repairing Dynamically Blurred License Plates	Yu-Huei Cheng Po-Yun Chen
	#1244	Intelligent Tool Holder Design: Effective Management of Tool Wear Through Real-Time Monitoring During Machining Processes	Yu-Huei Cheng Yen-Ting Chiu
	#1262	A Preliminary Study on the Development of Drones Network Remote Identification Mechanism in Taiwan	Ya-Ling Kao Gin-Der Peng Jai-Tsung Hong I-Ching Lin Yu-Da Lin
	#1264	Implementatons of Health-Promotion IoT Devices for Secure Physiological Information Protection	Wen-Chung Tsai Huan-Hsuan Lin Tsung-Sheng Hsu

Session Track 9_3 (LC603): Artificial Intelligence and Computer Engineering

Jul. 1 15:10-16:50	Paper No	Paper Title	Authors
	#1024	Significant Weighted Aggregation Method for Federated Learning in Non-iid Environment	Wei-Jong Yang Pau-Choo Chung
	#1025	Parallel Shortened Spatial Attention Module for Effective and Precision Lane Detection	Li-Yang Ho Wei-Jong Yang
	#1114	Apply Masked-attention Mask Transformer to Instance Segmentation in Pathology Images	Jia-Chun Sheng Yi-Sheng Liao Chun-Rong Huang
	#1117	Artificial Intelligence based Vision Inspection for Manufacturing Industries	Kuo-Hao Tseng Shao-Wei Chu Chieh-Ling Huang Chuin-Mu Wang Atishay Jain
	#1223	Automated ROI Selection for Fatty Liver Disease Severity Classification Using Attention Map Analysis	Hao-Jen Wang Kai-Wen Cheng Hung Yeh Hong-Kun Lin Jin-De Chen Tsung-Po Chen Chia-Yen Lee
	#1258	A Deep Learning-Based Segmentation Strategy for Diabetic Foot Ulcers: Combining the Strengths of HarDNet-MSEG and SAM Models	Yuan-Pei Chen Qing-Cheng Long Hao-Jen Wang Shih-Sian Tang Chi-Yen Lee