

IS3C2023 Poster Presentation List

Poster			
Jun. 30 09:00-12:00	Paper No	Paper Title	Authors
	#1095	Medical image segmentation based on IncepFormer	Guo-Shiang Lin
	#1007	A Collaboration Federated Learning Framework With a novel 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 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
	#1111	Simulation and Testing of PV System Characteristics for the Utility Interface by CNS 15382 Standard	Yu-Jen Liu Huai-Jhe Su Po-Yu Hou
	#1155	Multi-Functional Power Conditioning System for Microgrid	C. I Chen Chuang Hsien Chen Yih-Der Lee
	#1156	Optimal Energy Management System Based on Particle Swarm Optimization for Microgrid	C. I Chen Chuang Hsien Chen Yih-Der Lee
	#1296	Study on Harmonic Suppresions by Optimization-based Three-Phase Three-Wire PV-APF	Yu-Jen Liu
	#1282	Developing an Intelligent Gait Analysis System based on Deep Learning	Hung-Jen Wang
	#1242	An intelligent Ama safety protection system based on smart IoT data and deep learning	Yu-Da Lin 、Bo-Yan Lin 、 Wei-Che Huang 、Ming-Siang Wu 、I-Ching Lin 、 Sheng-Hung Shih 、Ya-Ling Kao

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 Mojica Sy Rufo Ilustre Marasigan Jr. 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
	#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	Wang Guoping
	#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 Images using Smartphone Camera for 3D Reconstruction in Augmented Reality	Weiwei Du
	#1139	Fundus image registration with binary morphology extraction of feature points	Weiwei Du
	#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
	#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 Muhammad Luthfi Febriantoro Dzulfikri Zaky Nuryanti 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	Cheng Shian Lin
	#1019	A Super-Resolution Approach to Reducing Computational Load in Image Dehazing for Advanced Driver Assistance Systems	Shyang-En Weng
	#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 Weng Wei
	#1119	Optimizing Weighted Permutation in Support Vector Machine for the Detection of Epilepsy via EEG Data Analysis	Irawan Dwiwahyono 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	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 Licence Plate Recognition as an Example	Jia-Ming Yeh Garnett Chang Jason Lee Wei-Yang Lin
	#1038	Tracking and Analyzing Locomotor Changes in Zebrafish	Jian-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	Zi-Han Huang, Chuin-Mu Wang, Wun-Ciang Wu, Wun-Syun Jhang
	#1097	High-Resolution Art Painting Completion using Multi-Region Laplacian Fusion	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 、Chih-Yang Lin 、Isack Farady
	#1145	Vanishing Point Detection with Line Segments of Gaussian Sphere	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 Wu You-Qian Dong - Shuo Lai Shing-Tai Pan
	#1143	Person Search Based on Feature-Aligned Architecture	Chih-Chin Lai
	#1257	Intelligent Gait Parameter Analysis System Based on Deep Learning and Human Skeleton Detection in Videos	Chen Yu Chang Yi-Hung Chiu Huang Chi Hsien Chen-Sen Ouyang San-Yuan Wang DONG HUEI-PING Tsai Cheng Yeh

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 Gi-An Pen Lin-Xiang Qiu Su-Hui Chu Cai-Yu Yi Yu-Ling Liu Chan-Ju Chang
	#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
	#1146	Interpretation of Transplanted Positions Based on Image Super-Resolution Approaches for Rice Paddies	Yih-Shyh Chiou You-Cheng Chen Mu-Jan Shih
	#1200	A Research of Single Image Super Resolution Optimization Base on Convolution Neural Network	Yu-Huan Chien Chen-Ji Wang Nan-Kai Lo Cheng-Si He Tzu-Hsuan Hsieh 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	Phu Thanh Luu Y. T. YAU
	#1006	Overview of Up-to-Date Frequency Control Technologies for DFIG- and PMSG-based Wind Turbines	Allen Wu Tung Trinh Duc Baolong Phung Nguyen
	#1016	Review of Power System Reliability Indices for Renewable Energy Environments	Allen Wu Baolong Phung Nguyen Quoc Thang Phan
	#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	Allen Wu Baolong Phung Nguyen Tung Trinh Duc
	#1043	High Step-Up Converter	K. I. Hwu Pei-Ching Tseng
	#1197	Quick SOH and SOC estimation for commercial 18650 Li-Ion Batteries	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	Peng Chao-Chung Chen Yi-Ho
	#1147	Performance Evaluation of a Quadcopter by an Optimized PID	Chen Wei Hong 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 Meng-Tsan Tsai Hao-Li Liu
	#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 Jian-Xing Wu
	#1216	Joint Transmit and Reflecting Beamforming Design in IRS-Assisted mmWave MU-MISO Systems with ZF-Assisted SA Algorithm	Jung-Chieh Chen Cheng-Chih Chao Nien-Chi Hung
	#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 22nm Fully-Depleted Silicon-on-Insulator (FD-SOI) CMOS	Liang-Wei Ouyang Jill C Mayeda Clint C Sweeney Jerry Lopez Donald Y Lie Gokul Somasundaram
	#1084	Effects of Chemical Displacing Time for the Characteristics of the Nonvolatile Oxide-based Resistive Memory Devices	Chi-Chang Wu Chu-En Lin Hsin-Chiang You Jung-Chin Lin
	#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	GUANJHU 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 Chin Yen 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
	#1134	Applying AI image recognition and AGV robotic arm transporter to realize automatic fruit defect detection and autonomous handling system	Hang-Hong Kuo Jun-You Zhou Sunandan Barik Daiby Bi-Jiun Chang Yu-Cheng Zhong 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 Jenhui Chen
	#1137	Aggregated Spatio-temporal MLP-Mixer for Violence Recognition in Video Clips	Yu-Shian Shen Jenhui Chen
	#1229	Automatic Recognition of Driving Events based on Deep Learning	Jui-Chi Chen Zhen-You Lian Hsin-You Chiang Zhong-Líng Huang Cheng-Hung Chuang
	#1247	Occluded and Deformed Jersey Numbers Recognition by Hourglass Networks with Deformable Convolutional Networks	Shang-Xian Lin Yueh-Shen Tu Jenhui 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 Bai Yu Ke

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	Designing 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	Cheng-Jian Lin Bo-Ching Chen
	#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 & Intellegent Computing

Jul. 1 13:10-14:50	Paper No	Paper Title	Authors
	#1031	DEDGraph: Delay Embedding of Dynamic Graph for Temporal Action Segmentation	Junbin 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 Shyr-Shen Yu Yung-Kuan Chan
	#1116	Analyzing 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 Morteza 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	Shyh-Kuang Ueng
	#1254	Common Vertex Buffer LOD: A Novel Discrete LOD Approach to Reducing Load Latency	Hung-Kuang Chen
	#1279	Integrating Mobile VR Tangible User Interface and 2D/3D Modularization Visual Objects in Developing Interactive VR Scenarios Design Prototype	Pai-Hsun Chen
	#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
	#1292	A Refractive Distortion Correction Method for 3D Root Reconstruction	Mu-Wei Li Po Lung Wu Lo Shuen-Fang 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 Tsung-Sheng HSU Huan-Hsuan Lin

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
	#1025	Parallel Shortened Spatial Attention Module for Effective and Precision Lane Detection	Wei-Jong Yang
	#1114	Apply Masked-attention Mask Transformer to Instance Segmentation in Pathological Images	Chun-Rong Huang Jia-Chun Sheng Yi-Sheng Liao
	#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 ChiaYen Lee
	#1258	A Deep Learning-Based Segmentation Strategy for Diabetic Foot Ulcers: Combining the Strengths of HarDNet-MSEG and SAM Models	Yung-Pei Chen cheng Qing Long Hao-Jen Wang Sian Shih Tang ChiaYen Lee