IS3C2025 Poster Presentation List
Friday, June 27

Poster Session P-01			
	Paper No	**Paper Title**	**Authors**
June 27 09:30-10:30	#1126	Web-Sourced Multi-Resolution Drone Imagery for Structure-from-Motion Modeling	Yih-Shyh Chiou, Yun-Chen Lo, Chih-Chun Chiou
	#1110	Design of a Low-Power and Area-Optimized Carry Select Adder	Ying-Yi Chu, Zheng-Hao Yang
	#1101	Creating a Machine Tool Guidance System Using Virtual Reality Technology	Chieh-Ling Huang, Cheng-Wei Huang, Chiung-Pei Chu
	#1184	Generation of Multi-vertebrae Using 3D Deep Learning Models	Cheng-Hung Chuang , Yu-Jie Chen , Hung-Yu Chen , Qi-Rui Yu , Zhen-You Lian
	#1082	Enhancing Urban Resilience in Smart Cities through Edge AI, Point of Interest Analysis, and Multi-Criteria Decision-Making	Chih-Kun Ke, Mei-Yu Wu
	#1086	Smart Care System with Dual-Model Cooperative Triggering for Anomaly Detection	Feng-Yu Xu, Yu-Jen Pan, Jen-Chun Lee, Rung-Shiang Cheng
	#1118	Exploratory Case Study on the Impact of Smart Healthcare-Assisted EECP Therapy on Vascular Aging and Cardiac Force Index in Ischemic Stroke	Yu Lin, Chi-Ming Chu, Kuan-Ling Chen, Rung-Shiang Cheng
	#1127	Research on Improving Energy Efficiency of Intelligent Tire Applications Based on Machine Learning	Wei-Hsuan Chang, Hong-Yi Wu
	#1129	YOLOv11-Based Real-Time PCB Inspection　for Smart	Pei-Hsuan Chiang, Ke-Hao Chen, You-Yu Hou, Yu-Jen

		Manufacturing	Pan, Chung-Hsien Chen, Rung-Shiang Cheng

Poster Session P-02

	Paper No	Paper Title	Authors
June 27 11:00-12:00	#1130	Design and Implementation of a YOLOv11-Based Classification System for Composite Boards	Shao-Hua Wang, Wei-Qi Hang, Yu-Jen Pan, Jen-Chun Lee, Feng-Yu Xu
	#1169	Development of a VR-Based Healthcare Training System and Prospective Wireless Communication Challenges	Zhi-Yuan Su, Chi-Hui Chiang, Chuan-Kang Liu
	#1194	An Infant Safety Monitoring System using Image Processing and Deep Learning Technologies	Chi-Huang Shih, Ho-Chun Wang, Sheng-Wei Huang
	#1036	A YOLOv5-Based Approach for Cemetery Gravestone Image Recognition	Cheng-Wei Huang, Sheng-Chih Yang, Chieh-Ling Huang
	#1083	Enhancing Micro-Expression Recognition through Optimized Apex Frame Spotting: A Pair-wise Difference Maximization Approach	I-Fang Su, Chieh-Ling Huang, Yu-Chi Chung
	#1147	A Vision-Guided Fuzzy Neural Network for Autonomous Landing of Unmanned Aerial Vehicles	Jing-Ti Zeng, Cheng-Jian Lin, Sheng-Chih Yang, Chun-Jung Lin
	#1191	Spontaneous Intracerebral Hemorrhage: A Deep-Learning Model on Predicted Short-Term Hematoma Deformation and Expansion	Tsai-Rong Chang, Zong-Wei Yang, Te-Chang Wu
	#1199	Comparative Study of LLaMA and BERT for Sentiment Analysis on Stock-Related Social Media and Its Impact on Price Prediction	Chien-Cheng Lee, Anish Sah, Xin-Yuan Lin, Sheng-Chih Yang

	#1090	Disparity recovery in stereo matching based on a conditional deep convolutional generative adversarial network	Hui-Yu Huang, Zhe-Yu Hsu
	#1211	Design and Simulation of Energy Management System-Based on Internet of Things and Artificial Intelligence	Shen-Jie Chang, Cheng-Jian Lin, Sheng-Hung Wen, Chun-Jung Lin

IS3C2025 Paper Presentation Schedule
Friday, June 27

Session O-01 (LC601): Systems and Control

	Paper No	Paper Title	Authors
June 27 **13:10-** **14:50**	#1041	A Multi-Modal Vision and Audio Model for the Intelligent Traffic Monitoring System	Wen-Tsai Sung, Hong-Jyun Jiang, Indra Griha Tofik Isa
	#1043	Image Recognition Based on YOLOv8 for Apple Ripeness and Defect Classification	Wen-Tsai Sung, Zhi-Jia Chen, Indra Griha Tofik Isa
	#1045	Image Augmentation Strategy for Lightweight Mango Fruit Detection in Precision Agriculture	Wen-Tsai Sung, Yun-Long Shi, Indra Griha Tofik Isa
	#1078	Establishing Wireless Sensor Network Target Tracking Strategy and Data Fusion Based on Blockchain Technology Integration	Sung-Jung Hsiao, Chih-Hao Pan, Tzu-Chieh Cheng, Zong-Ting Chen, Hsin-Hsiang Tsai
	#1139	Automated Measurement of Pachira Aquatica Seedling Length Based on Image Recognition	Cheng-En Lee, Wen-Lin Chu, Chen-Shi Jian, Shen-Feng Luo, Wei-Lun Hsu, Qun-Wei Chang
	#1140	Vision-Guided Automated Puzzle Solving Robot: System Integration with Embedded Microcontroller, Stepper Motors, and Additive Manufacturing	Duen-Yuan Hong, Wei-Tyng Hong

Session O-02 (LC603): AIoT, ICT & Sensor Applications

	Paper No	Paper Title	Authors
June 27 **13:10-** **14:50**	#1005	Energy-Efficient Ozonation Prototype for Household Water Disinfection	Phinthida Na Thaisong, Piyamas Chainok, Bancha Hiransing, Boonthong Wasuri, Chu-En Lin, Bopit Chainok
	#1081	Enhancing Energy Efficiency in Pig Farms with Hybrid Off-Grid Solar Systems and IIoT-Based Monitoring	Teerayut Thongtawee, Tawat Chuchit, Tanawat Srirugsa, Arnon Isaramongkolrak
	#1125	Intelligent Analog and Mixed-Signal IC (I-AMS-IC) Design: A Conceptual Framework, and Case Study on AI Integration	Nidhi Sharma, Ayush Pratap, Devarshi Mrinal Das, Pao-Ann Husing
	#1133	Unlocking Industrial Intelligence: Smart RCFA Using Adaptive Machine Learning and Feature Selection on Complex Multi-Modal Input Multi-Output Data	Moch. Solichin, Muhammad Nur Yuniarto, Indra Sidharta, Yohanes, Faizal Mahananto, Izzat Aulia Akbar
	#1145	Implementation of IIoT-Based Smart Pig Farm Using Siemens SIMATIC IOT2050 for Efficient Livestock Management	Tawat Chuchit, Tanawat Sringsa, Teerayoot Thongtawee, Saowanee Singsarothai, Wiwat Su-hren, Amon Isaramongkolrak
	#1215	Chlorophyll Content Spatial Map Generation of Farm Lands Using Kriging Interpolation and Transmissive Light Sensing on crop leaves	Diogenes Armando Dacumos Pascua, Aaron Raymond See

Session O-03 (LC604): Artificial Intelligence and Computer Engineering

	Paper No	Paper Title	Authors
June 27 **13:10-14:50**	#1021	Examining Environmental Sustainability using Artificial Intelligence - Natural Language Processing based on the Perspectives of Generation Z: the Case of Clean Energy Transition Projects of Company X in a Developing Economy	Alexander A. Hernandez, Victor James C. Escolano, Erlito M. Albina, Arlene R. Caballero
	#1022	Prediction of Green Purchase Intention using Machine Learning Techniques: The Case of Green Apparel and Clothing among Filipino Generation Z	Alexander A. Hernandez, Jay-Ar P. Lalata, Erlito M. Albina, Muhammad Syukur, Joferson L. Bombasi
	#1058	Performance of Lightweight Neural Networks In Classification of Soy Bean Variety	Isaac Angelo M. Dioses, Alexander A. Hernandez, Mark Joseph Asuncion, Russell Aquino, Wendell M. Castillo, James B. Tababa, Ronaldo A. Juanatas, Jesusimo L. Dioses Jr.
	#1064	Prediction of Greener Last-Mile Delivery Adoption Intention in Telemedicine Supply Chain: A Machine Learning Approach	Leann Fatima T. Gallego, Alize Anne P. Pascua, Princess Katrina C. Espiritu, Chelsea L. Fortaleza, Alexander A. Hernandez, Jay-Ar P. Lalata
	#1094	Exploring Hybrid Models for Predicting LET Exam Taker's Performance: A Comparative Study of Decision Tree-ANN and Other Hybrid Approaches	Jennifer Anne Almadro Repaso, Melvin Ballera

Session O-13 (LC602): Consumer Electronics

	Paper No	Paper Title	Authors
June 27 **13:10-** **14:50**	#1009	Continuance Usage Intention of AI Smartphones among Filipino Gen Z: An Extended Technology Continuance Theory	Victor James C. Escolano, Alexander A. Hernandez, Erlito M. Albina, Rossanna T. Adao, Joferson L. Bombasi
	#1030	The Research of Axial Motor Control	Sy-Ruen Huang, Chun-Chi Wei, Yao-Chin Cheng
	#1060	Automated Calcaneus Angle Detection and Calculation Using Deep Learning and Algorithm	Mong-Chuan Lee, Ying-Yun Jhang, Chih-Hui Simon Su, Nitthita Chirdchoo, Chu-En Lin
	#1170	Network Routing Optimization using an AWAC-Augmented PPO and GAT Deep Reinforcement Learning Architecture	Stacey Philippa Chandler, Ihsan Ullah

Session O-04 (LC601): Multimedia & Intelligent Computing / Digital Signal Processing / AI and Digital Interdisciplinary

	Paper No	Paper Title	Authors
June 27 **15:10-16:50**	#1020	Multimodal AI-Human Decision Making in Professional Work:　A Paradox Perspective	L. G. Pee
	#1039	Constructing Garbage Image Recognition Using ORB Algorithm Based on Internet of Things	Wen-Tsai Sung, Chun-Cheng Lin, Indra Griha Tofik Isa
	#1053	Food Recognition Network with Cross-Scale Attention	Embun Ventani, Chao-Yang Lee
	#1062	Blockchain-Enabled Verifiable Credential Management for Workforce Competency Assurance	Chia-Chen Lin, Yen-Heng Linn, I-Chieh Hsu
	#1117	Remaining Useful Life Prediction on Rolling Bearing Using Optimum Feature Extraction Integrated to Transformer Network	Moch. Solichin, Suwarmin, Wiwiek Hendrowati, Muhammad Nur Yuniarto, Noh Yoojeong, Nam-Ho Kim, Harus Laksana Guntur, Kafi Hannan Alhadi, Evaldo Yudhistira Prayoga
	#1067	Marketing in the Age of Artificial Intelligence and How Filipino Digital Marketers Can Stay Ahead in a Changing Industry	John Heland Jasper Concepcion Ortega

Session O-05 (LC602): Renewable Energy / Systems and Control

	Paper No	Paper Title	Authors
June 27 **15:10-16:50**	#1033	Design and Simulation of Galvanically Isolated Quasi-Z-Source DC-DC Converter with a Novel ZVS Technique	Bancha Hiransing, Anuwat Jangwanitlert
	#1034	Photovoltaic System Fed Full-Bridge Inverter an Ozone Generator for a Household Water Disinfection and Slag Reduction	Bancha Hiransing, Boonthong Wasuri, Sanya Kuankid, Wisawa Suesuwan, Bopit Chainok
	#1158	A Study Investigating Trends in Converting Hydrogen Energy to Electrical Power via Electrolysis with Reversible Fuel Cells	Adisorn Merukaew, Supachai Kaewpoung, Tawat Chuchit, Wiwat Suhren, Tanawat Srirugsa, Arnon Isaramongkolrak
	#1006	Remarks on a Quaternion-Valued Echo State Network-Based Direct Controller for Discrete-Time Non-Linear Systems	Kazuhiko Takahashi

Session O-06 (LC603): Computer

	Paper No	Paper Title	Authors
June 27 **15:10-16:50**	#1012	Generative Artificial Intelligence for Programming Education: Enhancing Input to Outcome-Based Teaching and Learning Approaches	Alexander A. Hernandez, Erlito M. Albina, Arlene R. Caballero
	#1159	The Application of Code Plagiarism Detection Function in a C Programming University Course	Xiqin Lu, Khaing Hsu Wai
	#1210	A Study of Oil Palm Fruit Ripeness Using YOLOv8 for Smart Agriculture Applications	Vo Minh Kiet, Fa-Shian Chang, Chen-Kun Tsung
	#1204	Attention-Infused Network for Detecting Small Marine Debris Objects in Aerial Images	Phee Hao Yan, Yi-Han Chen, Guan-Yi Li, You-Cheng Lin, and Yu-Shiuan Tsai
	#1008	Dimensionality Reduction Using Quantum Computation and Data Transformation	Su-Ling Lee, Chien-Cheng Tseng
	#1093	A Comparative Study of NLP Transformer-Based and CNN-GloVe Models with Flask Application for Research Article Classification	Joann Galopo Perez, Melvin Ballera

Session O-07 (SS) (LC604): Blockchain Application in IoT

	Paper No	Paper Title	Authors
June 27 **15:10-16:50**	#1047	A Combined Lightweight Mango Detection using Efficient Multi-Scale Attention Module for Precision Agriculture	Wen-Tsai Sung, Indra Griha Tofik Isa, Sung-Jung Hsiao
	#1068	Establishing a Real-time Parking Information System Based on Smart IoT Architecture	Sung-Jung Hsiao, Chih-Hao Pan, Tzu-Chieh Cheng
	#1070	Establishment of an Intelligent Vehicle Safety Inspection System	Sung-Jung Hsiao, Zong-Ting Chen, Hsin-Hsiang Tsai, Shi-Jie Bai
	#1072	Constructing Smart Agricultural Monitoring And Control system Based on The AIoT	Sung-Jung Hsiao, Chih-Hao Pan, Zong-Ting Chen
	#1074	Integrating Deep Learning and Blockchain Technology to Construct an Intelligent Resource Recovery System	Sung-Jung Hsiao, Chih-Hao Pan, Sheng-Feng Hsieh
	#1076	The Development and Application of Internet of Things Technology in Industrial Automation	Sung-Jung Hsiao, Chih-Hao Pan, Zong-Ting Chen, Sheng-Feng Hsieh

IS3C2025 Paper Presentation Schedule
Saturday, June 28

Session O-08 (LC601): Artificial Intelligence and Computer Engineering			
	Paper No	**Paper Title**	**Authors**
June 28 **10:20-12:00**	#1014	Enhancing Taiwanese Sign Language Recognition By Using Data Augmentation and Deep Learning	Yi-You Wang, Qi-Qian Lu, Ben-Yi Liau
	#1019	An Enhanced Time-Attention-Based Social GAN for Pedestrian Trajectory Prediction and Risk Alert System Utilizing Edge Computing Device	Jing-Tai Chang, Feng-Cheng Lin
	#1054	An Improved MobileNetV3 for Classifying Potential Wildfire Types to Distinguish Smoke-Producing Events from Smoke-Free Instances	Jia-Yan Lin, Chia-Ying Yang, Huan-Liang Elvin Lee, Feng-Cheng Lin
	#1066	Blockchain-Based Adaptive Historical Averaging for Client Dropout Resilience in Federated Learning	Bo-Sian Liao, Jung-Shian Li, I-Hsien Liu, Chuan-Kang Liu
	#1089	Enhancing Profit in TAIEX Futures Trading with a PPO-Based Framework	Cheng-Ting Kung, Qaisar Ali, Ihsan Ullah
	#1103	Query-based Lane Detection with Mixed Supervision	Pin-Tong Chen ,Wei-Jong Yang

Session O-09 (LC602): Multimedia & Intelligent Computing

	Paper No	Paper Title	Authors
June 28 **10:20-12:00**	#1198	A Lightweight Vision Transformer with Competitive Blocks for Finger Vein Recognition	Chi-An Chen, Tzu-Hung Chien, Liang-Ying Ke, Chih-Hsien Hsia
	#1200	Deep Learning Based Electromagnetic Simulator Networks	Yu-Ting Zhuo, Muh-Dey Wei
	#1216	Pulmonary Fibrosis Detection Based on Deep Residual Model and Multi-Attention Mechanism	Shi-Hong Qiu, Cheng-Mu Tsai, Chuan-Wang Chang, Pin-Kuei Fu, YiChun Hsiao
	#1181	Swallowing Classification Combining Deep Learning and Mechanomyography	Hsueh-Chin Fan, Chi-Huang Shih, Yi-Hsuan Wu

Session O-10 (LC603): Multimedia & Intelligent Computing

	Paper No	Paper Title	Authors
June 28 **10:20-12:00**	#1095	Long Time-series Data Augmentation via Time-series Generative Adversarial Network	Lo-Chu Lin, Ming-Chang Yu, Chen-Kuo Chiang
	#1185	A Modelling Procedure for Generating Carving Effects on 3D Surfaces	Yu-Jui Chang, Shyh-Kuang Ueng
	#1186	Closed-Domain Database Query System	Yun-Xiang Chen, Ming-Jer Huang, Hung-Kuang Chen
	#1189	An Improved Ray Tracing Method for Volume Rendering	Chih-Ting Yeh, Shyh-Kuang Ueng
	#1196	A Visual Mamba-based Architecture for Student Engagement Recognition in Distance Learning Environments	Liang-Ying Ke, Chih-Shu Wu, Chih-Hsien Hsia
	#1197	A Mamba-Inspired Linear Vision Transformer with Spatial and Channel Reconstruction MLP for Roasted Coffee Bean Recognition	Liang-Ying Ke, Allen S L Chung, Chin-Feng Lai

Session O-11 (SS) (LC604): Power Quality and Energy System

	Paper No	Paper Title	Authors
June 28 **10:20-12:00**	#1142	Reinforcement Learning Approach in Microgrid Energy Management System based on Firefly Moving Regression for Optimization	I Gede Agus Purwa, Cheng-I Chen, Jia-Xi Li, Jen-Chung Liao
	#1220	Coordinated Control of Distributed PV Inverters for Voltage Regulation in the High-PV Penetration Distribution Network under Fault Events	Shin-Kuan Chen, Yu-Jen Liu, Yi-Tang Yang, Te-Ching Huang, Chun-Sheng Chen
	#1222	Simulation Study of Black Start Using Grid-Forming Battery Energy Storage System	Yu-Jen Liu, Te-Ching Huang
	#1243	Microgrid Using Intelligent Variable Droop Coefficient for Power Quality Improvement	Kuang-Hsiung Tan, Xiang-Yu Weng
	#1244	A Particle Swarm Optimization-Enhanced STATCOM: Fault Analysis in the IEEE 30-Bus System	Chih-Chun Wu, Jia-Feng Liu, Cheng-I Chen

Session O-12 (SS) (LC601): AI and Digital Interdisciplinary / Digital Signal Processing

	Paper No	Paper Title	Authors
June 28 **13:10-14:50**	#1007	Weighted Least Squares Design of Graph Filter Using Generalized Laguerre Polynomial	Chien-Cheng Tseng, Su-Ling Lee
	#1038	Modeling of TL431 in SIMPLIS	Yeu-Torng Yau
	#1059	Harnessing Large Language Models for Sustainable Materials and Manufacturing: Frameworks, Application & Innovations	Ayush Pratap, Nidhi Sharma, Neha Sardana, Pao-Ann Husing
	#1065	Refractive index based detection of Ions in drinking water using Surface Plasmon Resonance Sensor: Wavelength Interrogation Method	Rajeev Kumar, Ajay Kumar, Mukta Sharma, Chia-Lung Tsai
	#1084	Machine Learning-Based Raman Spectroscopy Analysis of Serum Dilution (Pure and 1:1) for Enhanced Oral Cancer Detection	Mukta Sharma, Ajay Kumar, Chia-Lung Tsai, Shiang-Fu Huang
	#1120	Intelligent Calibration of Urine Color and Density Measurement Sensors	Roozbeh Falah Ramezani, Wen-Yaw Chung, Vincent F. Tsai

Session O-14 (LC603): Renewable Energy

	Paper No	Paper Title	Authors
June 28 **13:10-14:50**	#1010	Application of Chaotic Time Series Analysis and Relaxation Voltage for Diagnosing Aging of Lithium-Ion Batteries	Po-Shun Huang, Sy-Ruen Huang
	#1015	Application of the Jiles–Atherton Hysteresis Model for Crack Defect Detection in Power Electronic Transformers of Iron Core	Sy-Ruen Huang, Zheng-Yu Xie
	#1016	Identification of Battery Aging Based on the Dynamic Error of the Chen-Lee Chaotic System and Gramian Angular Difference Field Applied for Lithium Battery Relaxation Voltage	Sy-Ruen Huang, Zhao-Teng Chen
	#1032	Optimal Economic Energy Management of Microgrid Using Deep Deterministic Policy Gradient (DDPG)	Ming-Feng Dong, Jia-Xi Li, Wei Huang, Wei-Yu Lin, Jen-Chung Liao, Ching-Yi Hsueh
	#1134	Multi-Objective Optimization of Triply Periodic Minimal Surface (TPMS)-Based Heat Sink for Power Electronics in Energy Systems	Abdul Samad, Wei-Hsiang Lai
	#1004	Optimized Current Sharing in Multiphase LLC Resonant Converters via Partial Energy Processing	Wen-Zhuang Jiang, Kuo-Ing Hwu, Han-Hsiang Chen, Yeu-Torng Yau

Session O-15 (LC604): AIoT, ICT & Sensor Applications / Advanced Wireless Communication and Smart Connectivity

	Paper No	Paper Title	Authors
June 28 **13:10-** **14:50**	#1055	Forcipomyia taiwana automated breeding system	Mong-Chuan Lee, Chia-Le Chang, Syuan-Yu Jhang, Yueh-Ling Chan, Bopit Chainok, Chu-En Lin
	#1057	Using Large Language Models to Detect Smishing Messages in Telecom Networks	Chien-Cheng Chen, Hong-Pong Chen, Yung-Sheng Ku, Chi-Feng Lai, Pin-Jui Chen, Ming-Hui Chen
	#1091	Enhancing Federated Learning Efficiency and Security for Resource-Diverse Edges	De-Chang Chiou, Jung-Shian Li, I-Hsien Liu, Chuan-Kang Liu
	#1097	Smart Hiking Stick with IMU & AI Fatigue Monitoring	Da-En Huang, You-Quan Zhao, You-Lin Zhang, Ping Juei Liu
	#1135	Flexible Wearable Antenna for Employee Health and Environmental Safety Monitoring in Smart Factories	Yuan-Nan Tsai, Yeh-Tzu Cho
	#1192	Delay broadcast based on link stability and node density in VNDN	Bo-Xian Chen, Shih-Tsung Liang

Session O-16 (LC601): Computer / Multimedia & Intelligent Computing / Artificial Intelligence and Computer Engineering

	Paper No	Paper Title	Authors
June 28 **15:10-16:50**	#1017	Advanced Parameter Optimization for Laser Engraving Machines via Genetic Algorithms	Chen-Yu Lee, Jia-Xian Jian, Chuin-Mu Wang
	#1018	Music Tactalizer: A Wearable Haptic Music Player with Multi-Feature Audio-Tactile Rendering	Aaron Raymond See, Aaron Benjamin R. Alcuitas, Thad Jacob T. Tiong, Vence Jumar A. Sasing
	#1080	ConTact: A Handheld Haptic Controller with Tactile and Force Feedback Integration	Vence Jumar A. Sasing, Aaron Raymond See, Thad Jacob T. Tiong, Aaron Benjmin R. Alcuitas
	#1217	Application of Dual Attention Transform Network for Gastrointestinal polyp Detection	Jhe-Ruei Li, Tien-Yi Liao, Chuan-Wang Chang
	#1238	Enabling Real-Time Vision-Language Intelligence on the Edge with Low-Complexity Attention	Ghufron Wahyu Kurniawan, Jun-Wei Hsieh, Chuan-Wang Chang, Chi-Chia Sung
	#1188	Workpiece Recognition under Poor Lighting Conditions Using a Two-Stage Mask R-CNN Approach	Hung-Jen Wang, Ting-Wei Ling

Session O-17 (LC603): Consumer Electronics / Artificial Intelligence and Computer Engineering

	Paper No	Paper Title	Authors
June 28 **15:10-** **16:50**	#1156	Development of comfortable and energy-saving driving system based on OBDII and YOLOv7 neural network	You-Xuan Lin, Meng-Hua Yen,Yuan-Hong Guan, Chi-Chun Chen
	#1003	Peak Current Mode Control of Ultra-high Step-Down Converter	Yeu-Torng Yau, Po-Hong Hong
	#1061	Visibility Enhancement Model Based on Bidirectional Encoder Representations and Heterogeneous Monitoring Data	Ping Juei Liu, Chia-Chen Lin
	#1190	Distinguishing Glass and Plastic Bottles Using EfficientNet-B0 with Channel Attention and Caustic Pattern Analysis	Chia-Chen Lin, Yen-Heng Lin, Chih-Heng Lin, You Sun Wang, Yu-Hsuan Chen
	#1195	The study of Quantum 3D Communication Technology using a continuous spectrum Based on PIOT	Yung-Chang Luo, Wen-Cheng Pu, Po-Lin Chuang

Session O-18 (SS) (LC604): AI and Digital Interdisciplinary

	Paper No	Paper Title	Authors
June 28 **15:10-16:50**	#1088	Study and Development of Real Time Smart Garage System	Jung-Lung Chiang, C. Bambang Dwi Kuncoro, Suhartono
	#1092	Advancing Urine Conductivity Sensor Accuracy through Shape and Size Optimization	Roozbeh Falah Ramezani
	#1098	Enhancing Speech Separation with Conf-TasNet: A Hybrid Attention and Convolutional Model	Yu-Quan Xu, Ku-Yaw Chang, Ruey-Maw Chen
	#1116	Projection-Based Augmented Reality with Computer Vision for Interactive Assembly Guidance	Shao-Wei Chu, Rui-Zhen Zhou, Yi-Zheng Wu, Wei-Jyun Wang
	#1246	Comparative Analysis of GA and NSGA-II for Multi-Objective Energy Management: Cost, Battery Degradation, and Renewable Utilization	Madhu Brahmankar, Cheng-I Chen