October 26
Day 1

Session A1 | Onsite Oral | Room C

Date	Time	F. Computer & Information Engineering ; G. Green Technology & Civil Engineering ; SH. System Development, Control, and Optimization *Session Chair*: *Prof. Li-Feng Lin*
26th October (Sat.)	08:30 | 08:45	**G2422** **Impact of Soil Particle Size of Lake Sediments on Methane Release Using COMSOL Multiphysics** *Hyung-Jun Park, Chan-Jin Jeong, Dong-Hyun Kim, Seung-Oh Lee*
	08:45 | 09:00	**G2424** **Numerical Study on Dimensional Analysis Between Levee Height and Froude Number for Assessing Overtopping Risk** *Chanjin Jeong, Dong-Hyun Kim, Ha-Neul Sun, Seung-Oh Lee*
	09:00 | 09:15	**SH2411** **Disscussion of Three Novel Optimization Methods** *Ji-Pyng Chiou, Zhi-Bin Xu*
	09:15 | 09:30	**SH2412** **An Analysis of Stress Relief and Companion Chatbot App** *Li-Feng Lin, Yao-Chuan Hsu, Pei-Zhen Chen, Jia-Jun Lai, Cheng-Yu Cai, Hong-Jun Wang, Shi-Bin Chen, Jai-Hui Lin*
	09:30 | 09:45	**SH2413** **Exploring the Impact of the Introduction of Intelligent Identification Systems in Military Warehouses on Environmental Safety: Analysis Based on the Domino Effect Theory** *Yun-Ru Lee, Yong-Tzung Lin, Meng- Zhe Han, Shun-Sheng Chen, I-Tzu Hsu, Mei-Yi Chen, Zhi-Long Zhong, Feng-Yu Qin, Xiang-Liou You, Yi-Ping Chen, Sheng-Chih Huang*
	09:45 | 10:00	**SH2414** **Sensing Technology is Applied to the Air Quality Monitoring and Warning System** *Fu-Xiang Wen, Bo-Qian Xiao, Yi-Xun Chen, Ming-Jay Wu, Hong-Ming Bao, Shi-Yue Shen, Li-Feng Lin*
	10:00 | 10:15	**F2419** **A Novel Hybrid Anomaly Detection Framework for Smart Grid Security and Transparency** *Nguyen Khanh Son, Arun Kumar Sangaiah, Darshan Vishwasrao Medhane, Mohammed J. F. Alenazi, Salman A. AlQahtani*
	10:15 | 10:30	**F2414** **Proposal of a Customer Loyalty Index Considering the Variety of Purchased Products** *Jin Nakashima, Masaya Kondo, Kohei Otake*

Session A2 │ Onsite Oral │ Room C

Date	Time	G. Green Technology & Civil Engineering ; J. Mechanical Engineering ; TA. Civil & Structure Engineering *Session Chair*: *Prof. Buntara Sthenly Gan* ; *Prof. Yit-Jin Chen*
26th October (Sat.)	10:45 | 11:00	**G2423** **Preliminary Study on the Urban Flood Adaptive Capacity Index (UFACI) Using Fuzzy Logic** *Su-Min Song, Hyung-Jun Park, Dong-Hyun Kim, Seung-Oh Lee*
	11:00 | 11:15	**J2419** **On a Tensegrity-Based Micro-Vibratory Platform for Part Rotation** *Wen-Hsiang Hsieh, Hukamasidhi Yoel*
	11:15 | 11:30	**TA2411** **Investigation into expansion control techniques in alkali-activated materials using waste glass from photovoltaic panels as fine aggregate** *Ryo Yamanouchi, Kentaro Yasui, Hiroshi Yamada, Takayuki Fukunaga, Hideki Harada*
	11:30 | 11:45	**TA2412** **Fundamental properties of steam-cured cementitious composites incorporating volcanic glass fine powder** *Takato Tsuboguchi, Kentaro Yasui, Sachio Ueyama and Takumi Taguchi*
	11:45 | 12:00	**TA2413** **Evaluation of Micropile Bearing Capacities in Fine-Grained and Coarse-Grained Soils** *Anjerick Topacio, Yit-Jin Chen, Mary Abigail Jos, Matthew Guo*
	12:00 | 12:15	**G2421** **Analysis of Nitrate Concentration Change in Groundwater Due to Heavy Rainfall in Taean, South Korea** *Hyun-Jung Lee, Hyung-Ju Yoo, Dong-Hyun Kim, Seung-Oh Lee*
	12:15 | 12:30	**G2425** **Analysis of the Correlation Between Reservoir Sediment Discharge and Downstream Flood Inundation Using Numerical Models** *Ha-Neul Sun, Hyun-Jung Lee, Dong-Hyun Kim, Seung-Oh Lee*

Paper Award A3 │ Onsite / Online Oral │ Room A

Date	Time	
26th October (Sat.)	14:00 | 14:15	**SA2411** **Correlation of SPT N-Value and Equipment Drilling Parameters in Deep Soil Mixing** *John Eric Cunanan Bargas, Maria Cecilia Mendoza Marcos*
	14:15 | 14:30	**SA2412** **Study on the Resonant Frequency of the SARS-CoV-2 Virus Membrane by Using Tensegrity Structural Approach** *Kaito Tanaka, Buntara Sthenly Gan*
	14:30 | 14:45	**SA2413** **Correlations Between the Seismic Intensity Level and Electroencephalogram During the Earthquake** *Riku Suenaga, Buntara Sthenly Gan*
	14:45 | 15:00	**SA2415** **Influence of Jute Fiber as Reinforcement to the Physical and Mechanical Properties of Mortar Plaster With Rice Husk Additive** *Mark G. Costelo, Anjerick. J. Topacio, Treisia Juliant G. Castillo, Micah Eunice B. Donato, Jeryme I. Festijo, Mark Jerard F. Nocomora*
	15:00 | 15:15	**SA2416** **Uplift Capacity and Displacement of Pre-Bored PC Piles in Undrained Soils** *Mary Abigail Jos, Yit-Jin Chen, Anjerick Topacio, Kai Wang*
	15:15 | 15:30	**SA2414** **Environmental Education Toward Sustainable Cruise Tourism: A Proposed Framework With Stimulus-Organism-Response Paradigm** *Chun-Hua Hsiao, Kai-Yu Tang*

Poster D2｜Onsite Poster｜Hallway

Date	Time	No.	
26th October (Sat.)	10:45 | 12:30	1	**F2415** **Smart City Parking Grid Reservation Management System** *Chin-Ang Li, Wei-Chih Hsu*
		2	**H2413** **Port-to-Port Trajectory Prediction for Liner Vessel Using LSTM Networks** *Hyeong-Tak Lee, Hyun Yang*
		3	**L2412** **Enhancing Detection of Nighttime Fishing Boat Lights Using VIIRS Satellite Data and Deep Neural Networks** *Suk Yoon, Kwang-Seok Kim, Hee-Jeong Han, Hyeong-Tak Lee, Hyun Yang*
		4	**N2411** **High Water Temperature Prediction for Sea Areas Around Korean Peninsula Using Deep Learning Model** *Hyun Yang, Suk Yoon, Hyeong-Tak Lee, Kwang-Seok Kim, Hee-Jeong Han*
		5	**N2415** **Multiscale Window Analysis for Enhanced Sea Ice Detection in Liaodong Bay Using GOCI-II and Sentinel-2 Data** *Kwangseok Kim, Min-Kyu Kim, Young-Je Park, Hyun Yang, Hyeong-Tak Lee, Hee-Jeong Han, Suk Yoon, Jeong-Eon Moon*
		6	
		7	**SG2411** **Development of an Intelligent Method for Detecting Adenomas and Hyperplastic Polys** *Jinn-Tsong Tsai*
		8	**SG2412** **A Time-Adaptive Ensemble Learning Algorithm for Detecting Arteriovenous Fistula Occlusion in Hemodialysis Patients** *Wen-Hsien Ho, Tian-Hsiang Huang, Yu-Jui Lien, Yi-Wen Chiu, Yen-Ming J. Chen*
		9	**SG2413** **Early Predictions of Decubitus Ulcer by Intelligent Digital Twin and Radiative Transfer Modeling** *Yenming J. Chen, Kao-Shing Hwang, Chin-Lan Chen, Wen-Hsien Ho*
		10	**SH2415** **Embedding Game-Based Learning Phase Into Business Management Education: A Quasi-Experimental Method** *Kuang-You Tien, Tienhua Wu, Fu-Hsiang Wen, Guan-Ying Lu*

Poster D3 │ Onsite Poster │ Hallway

Date	Time	No.	
26th October (Sat.)	14:00 | 15:45	1	**C2413** **A Sound Activity Monitor Integrated Circuit for Low Power Microphone Operation** *Woon Hwan Kim, Jounghoon Lim, Jong Pal Kim, Byeung-Leul Lee*
		2	**G2419** **Application of Supersonic Shock Waves in Soil-Loosening at Crop Root Zone** *Ming-Sen Hu, Jia-Yi Tsai, Yu-Rui Chen*
		3	**O2412** **Optimal Production Run Cycle and Process Mean Setting With Time Value of Money** *Chung-Ho Chen*
		4	**H2415** **Modeling and Analysis of a Tensegrity-Based Vibratory Platform Driven by Piezoelectrical Actuators Using IronCAD** *Wen-Hsiang Hsieh, Samudra Prasetyo, Chen-Ji Pan*
		5	**SH2418** **A Power Generation System Driven by Dual Cycled High-Pressure Shock Waves** *Ming-Sen Hu*
		6	**WC2411** **Ultrasound Imaging of Vibration Stimulation on Various Hand Locations Including Acupoints: A Pre- and Post-Assessment Study Design** *Chien-Yin Wang, Jhih-Rou Chen, Pu-Chun Mo, Yih-Kuen Jan, Chang-Wei Hsieh*
		7	**WF2411** **Virtual reality teaching materials in nursing education in Japan : review of current trends, and prospects** *Chihau MIYATA*
		8	**SH2417** **Applying Intelligent Modeling Methods to Establish and Optimize High-Speed Milling Tool Wear Prediction Models** *Wei-Tai Huang, Yu-Hao Chen, Xin-Jie Hong, Yu-Zhe Li, Jinn-Tsong Tsai, Wen-Hsien Ho*
		9	**SL2413** **Optimal Design of an Active Magnetic Gear Used for Anti-Pinch Power Window** *Yi-Chang Wu, Feng-Ming Ou, Saian Nur Fajri, Zong-Ying Xie*
		10	**N2417** **Multi-Label Machine Learning Classification of Cardiovascular Diseases Using PPG Signals and Physiological Characteristics** *Chih-Ta Yen, Jung-Ren Wong, Chia-Hsang Chang*

Poster E2｜Online Poster｜Official Website

Date	Time	No.	
26th October (Sat.)	10:45 | 12:30	1	**C2411** **Design of Cost-Effective Control and Circuit Framework for Battery Exchange Station of Electric Motorcycle** *Li-Chung Shih, Rong-Jong Wai*
		2	**SK2414** **Optimal Control of CNC Machining Tool Motion in Green Converter Station Based on Multi-sensor Fusion Data** *Yang Li, Guoen Zhou, Jiaqi Xue, Wenting Wang, Tianyu Nie, Junwei Yang*
		3	**J2414** **A Study on the New Pipe Design of Solar Absorber for Heat Collection Efficiency of Solar Thermal Collector** *Jian-Sheng Huang, Kuang-Ping Tsou*
		4	**J2415** **Corrugation Plate Design on Pressure Drop Effect for Brazed Plate Heat Exchanger** *Jian-Sheng Huang, Kiat Boon Then*
		5	**J2416** **A Study of the Furnace Design Effect on Thermal and Fluid Fields Distribution for Silicon Carbide Growth Rate by PVT Method** *Jian-Sheng Huang, Wei-Ting Lu*
		6	**J2417** **Apply Reinforcement Learning for AMR's Docking and Obstacle Avoidance Behavior Control** *Chun-Chi Lai, Bo-Jung Yang, Kuo-Hsien Hsia, Chia-Nan Ko*
		7	**N2413** **Design of Equipment Control Method Using Large Language Model** *Yu-Ching Lin, Jia-Jin Chen, Jyh-Horng Wu*
		8	**SM2415** **Injection Molding of Biodegradable Primary Deciduous Tooth Dental Post** *Min-Wen Wen, Meng-Kun Xu, Stratain, Era Hasfi*
		9	**SM2417** **Application of Artificial Neural Network to Implement Real-Time Compensation of Thermal Error in Cutting Processes of a CNC Milling Machine** *Hua-Chih Huang, Zhong-Ming Hsu*
		10	**M2415** **Optimization of AI-Driven Ride-Sharing Services** *Li-Wen Chuang, Shu-Ping Chiu*

October 27
Day 2

Session A4｜Onsite Oral｜Room C

Date	Time	G. Green Technology & Civil Engineering ; M. Innovation Management ; TC. Architecture and Building Materials *Session Chair*: *Dr. Saian Nur Fajri*
27th October (Sun.)	08:30 ｜ 08:45	
	08:45 ｜ 09:00	**G2417** **Optimizing Globe Telecom's Antenna Configurations: A Comprehensive Analysis of Structural Code Compliance and Cost Efficiency for Self-Supporting Towers in the Philippines** *John Paolo Yu, Anjerick Topacio*
	09:00 ｜ 09:15	**TC2411** **A Study on the Influence of Aggregates on the Performance of Alkali-Activated materials** *Chi-Yi Hua, Chia-Jung Tsai, Wen-Shinn Shyu*
	09:15 ｜ 09:30	**M2411** **Analysis of Characteristics of Complaint on Parenting Q&A Sites Using pLSA and Data Augmentation** *Tomoki Yoshimi, Takashi Namatame*
	09:30 ｜ 09:45	**M2412** **Effective Recommendation Considering Customers' Needs Using Review Texts: Case of Golf Course** *Kodai Kimura, Takashi Namatame*
	09:45 ｜ 10:00	**M2413** **Supply and Demand Functions of Stock Market by Using Multi-Objective Optimization Model** *Sheng-Chuan Wang, Vu Hong Ha, Ta-Cheng Chen*
	10:00 ｜ 10:15	**TC2412** **Influence of NaOH as a catalyst on the durability of suspended cement concrete** *Chung-Lin Lin, Chia-Jung Tsai, Wen-Shinn Shyu*
	10:15 ｜ 10:30	

Session A5｜Onsite Oral｜Room C

Date	Time	H. Industry 4.0 & Automation Engineering ; J. Mechanical Engineering ; L. Environmental, Food, Health Science & Technology ; SJ. Applied Technology and Education ; SM. Advances in Computer Material and Related Application ; WD. MEDICAL DEVICES, BIOMEDICAL MATERIALS, MEASUREMENT AND INSTRUMENTATION *Session Chair: Prof. Dyi-Cheng Chen ; Prof. Kai-Yu Tang*
27th October (Sun.)	10:45 ｜ 11:00	**WD2411** **Proposal for a new type of rubber chip attached to a dental mouth opener and evaluation of its retention performance** *Kaisei Tokieda, Hideyuki Yamamoto, Akihiro Morinaga, Ikuo Yamamoto*
	11:00 ｜ 11:15	**H2411** **Steel Ball Defect Detection System Using Automatic Vertical Rotating Mechanism and Convolutional Neural Network** *Yi-Ze Wu, Yi-Cheng Huang*
	11:15 ｜ 11:30	**J2418** **The Development of Ball Chain-Controlled Bionic Mechanical Palm** *Kuen-Ming Shu, Fang-Sung Cheng, Chun-Ching Hsia, Meng-Hua Lee, Hong-Ming Chen, Po-Hung Cheng, Hong-Wun Zeng, Hareesh Muppavarapu*
	11:30 ｜ 11:45	**L2413** **Swipe Away Hunger: An Empirical Study From Consumer Perspectives on the Factors Influencing the Adoption of Smart Surplus Food Apps in Taiwan** *Chun-Hua Hsiao, Kai-Yu Tang*
	11:45 ｜ 12:00	**SM2413** **Developing Fault Prognosis and Detection Modes for Main Hoisting Motor in Gantry Crane Based on t-SNE** *Yu-Tang Cao, Shin-Hung Lin, Raphael Brent Lau Hundangan, Edward Basaong Ang, Tsung-Liang Wu*
	12:00 ｜ 12:15	**SJ2411** **Application of Student Teams Achievement Divisions in Mechanical Drawing Practice Course** *Dyi-Cheng Chen, Xiao-Wei Chen*
	12:15 ｜ 12:30	**SJ2413** **Implementation of Guava Packaging and Counting Detection Using YOLOv7-Tiny** *Dyi-Cheng Chen, Shang-Wei Lu*

Session B4 │ Onsite Oral │ Room B

Date	Time	C. Electrical & Electronic Engineering ; F. Computer & Information Engineering ; J. Mechanical Engineering ; N. Intelligent Computing ; SD. Recent Innovations and Applications in Multimedia *Session Chair*: *Prof. Po-Tong Wang ; Prof. Cheng-Hsiu Li*
27th October (Sun.)	08:30 | 08:45	**J2412** **Optimizing the Acceleration and Driving Force of Stephenson-Chain Mold Clamping Mechanisms With Double-Toggle Effects** *Long-Chang Hsieh, Tzu-Hsia Chen, Po-Cheng Lai, Sheng-Wen Zheng*
	08:45 | 09:00	**F2411** **Enhancing Self-Learning Satisfaction by Integrating Gamified Elements into a Mobile-Learning LINE Bot for Academic Cognitive Engagement** *Cheng-Hsiu Li*
	09:00 | 09:15	**N2414** **BD-YOLO: A Balanced Dataset Approach for Improved YOLOv8 Fire and Smoke Detection** *Mariam Ishtiaq, Jong-Un Won*
	09:15 | 09:30	**SD2412** **A Real-Time License Plate Recognition System Using YOLOv5 and Deep Learning Character Recognition** *Hsiu-Ming Kuo, Po-Tong Wang, Jia-Shing Sheu*
	09:30 | 09:45	**SD2413** **Real-Time Gesture Tracking and Handwritten Digit Recognition Using Deep Learning and Kalman Filter** *Tzu-Chien Hsia, Po-Tong Wang, Jia-Shing Sheu*
	09:45 | 10:00	**C2414** **A 50 nW Body Temperature Sensor for Implantable Devices** *Jounghoon Lim, Jong Pal Kim*
	10:00 | 10:15	**F2416** **Visualization of Influencer Relationships Using User Comments - A Case Study of YouTube Videos Related to Cosmetics** *Emi Iwanade, Kohei Otake*
	10:15 | 10:30	**F2417** **Predicting Player Conditions Using Sensing Data in Basketball** *Akito Kumazawa, Shunya Imaizumi, Takeshi Koyama, Kohei Otake*

Session B5 │ Onsite Oral │ Room B

Date	Time	SE. Recent Advances in Infrastructure Technologies ; SF. Applications in Machine Learning and Smart Automation *Session Chair*: *Prof. Chung-Chi Huang ; Prof. Jang-Woon Baek*
27th October (Sun.)	10:45 | 11:00	**SE2416** **Prediction of Anchorage Performance of Headed Bars Using Machine Learning Algorithms and Physics-Informed Neural Networks** *Hwa-Eun Lee, Jang-Woon Baek, Hyeon-Jong Hwang*
	11:00 | 11:15	**SE2418** **Automation of Modular Construction Error Measurement Using Artificial Neural Networks** *Jeong-Min Kim, Jang-Woon Baek*
	11:15 | 11:30	**SF2411** **Development and Evaluation of Machine Learning Based Gamified Precision Exercise Prescription System for Older Adults** *Hsiao-Man Liu, Chung-Chi Huang, Chung-Lin Huang, Song-Yih Lin, Mei-Ling Chang*
	11:30 | 11:45	**SF2412** **An Intellegnt Prediction of the Effectiveness of Mandarin Language Learning for Foreign Students in Taiwan** *Chung-Lin Huang, Chung-Chi Huang*
	11:45 | 12:00	**SF2413** **Development of AI Agent Based Intelligent Defect Detection System for Magnesium Alloys** *Chung-Chi Huang, Chung-Lin Huang, Song-Yih Lin, Van Tien Tieu*
	12:00 | 12:15	**SE2415** **Structural Performance of Textile-Reinforced Concrete Columns Subject to Lateral Cyclic Loading** *Sang-Hyun Ji, Li-Na Kim, Dae-Jin Kim*
	12:15 | 12:30	**SE2417** **Structural Performance of Reinforced Concrete Columns Equipped With One-Touch Binding Clips Subject to Lateral Cyclic Loading** *Yu-Bin Kim, Chan-Hyun Park, Kyoung-Yeun Park, Yong-Joo Kim, Dae-Jin Kim*

Date	Time	F. Computer & Information Engineering ; H. Industry 4.0 & Automation Engineering ; I. Control Engineering ; SE. Recent Advances in Infrastructure Technologies *Session Chair*: *Prof. Tao-Hsing Chen*
27th October (Sun.)	08:30 | 08:45	
	08:45 | 09:00	
	09:00 | 09:15	**F2413** **An Analysis of Hazard Causal Factors and a Development of Hazard Scenarios Using Hierarchical Structured System Theoretic Process Analysis** *Masakazu Takahashi, Liu Meiting, Yunarso Anang, Yoshimichi Watanabe*
	09:15 | 09:30	**H2414** **LA-RCS (LLM-Agent Based Robot Control System)** *Taek-Hyun Park, Young-Jun Choi, Seung-Hoon Shin, Kwangil Lee*
	09:30 | 09:45	**I2411** **Study of Propulsor Control Methods Focusing on Reverse Motion for Collision-Free Arrival Motion of Ships and Other Vessels** *Yoshinori Mizooka, Hideki Toda*
	09:45 | 10:00	**SE2411** **Analysis of the Effectiveness of Operating Exclusive Truck Lanes on Korean Expressways** *Kiyoung Lee, Hyunjin Park, Seongkwan Mark Lee*
	10:00 | 10:15	
	10:15 | 10:30	

Session C5｜Online Oral｜Official Website

Date	Time	L. Environmental, Food, Health Science & Technology ; SL. Mechanism, Machine and Electric Machine Design ; SM. Advances in Computer Material and Related Application ; YB. Sensor Networks and Applications *Session Chair: Prof. Shih-Chen Shi*
27th October (Sun.)	10:45 | 11:00	
	11:00 | 11:15	**L2411** **Development of a Simple Mechanism Stretching Device for Nursing Care That Pushes Up the Achilles Tendon** *Takuya Fukuyo, Hideki Toda*
	11:15 | 11:30	**SL2411** **Magnetic Circuit Analysis and Comparison of Inductive Power Transfer Systems** *Wan-Tsun Tseng, Wei-Lun Lee*
	11:30 | 11:45	**SM2416** **Research on Cutting Performance of Diamond Wire Sawing Borosilicate Glass Using Taguchi Method** *Guan-Yu Chen, Shih-Chen Shi, Yue-Feng Lin*
	11:45 | 12:00	**YB2411** **Stochastic Transmission of Periodic Messages: Hiding Clock Skew for Controller Area Network Security** *Sang Uk Sagong, Eun Hyang Hong*
	12:00 | 12:15	
	12:15 | 12:30	

Poster D5｜Onsite Poster｜Hallway

Date	Time	No.	
27th October (Sun.)	10:45 | 12:30	1	**J2413** **The Concept Creation of Two-Degrees-of-Freedom Mold Clamping Mechanism** *Long-Chang Hsieh, Tzu-Hsia Chen, Po-Chen Lai, Ri-Jin Yeh, Sheng-Wen Zheng*
		2	**A2412** **Study on the Enhancement of Microwave Metal Discharges** *Jian-Shun Chen, Po-Chien Hsu, Chia-Lung Kuo*
		3	**A2413** **Extracellular Polymeric Substances Are Used As Environmentally Friendly and Sustainable Anti-Corrosion Coatings for SS400 Carbon Steel** *Wen-An Tsai, Hsin-Yi Wen*
		4	**A2418** **Vanadium Redox Flow Battery Flow Channel Design and Performance Test** *Yi-Hsin Hu, Chien-Hong Lin, Ning-Yih Hsu, Hwa-Jou Wei*
		5	**E2411** **Investigation of Post-Combustion Carbon Dioxide Capture by Granular Silica Gel Sorbent Modified With Polyethylenimine** *Chien-Hung Chen, Ching-Tsung Yu, Yu-Fei Chang*
		6	**SB2411** **Deep Canonical Correlation Analysis in Sensing Feature Fusion of Counterfeit Label Classification Applications** *Hua-Ching Chen, Hsuan-Ming Feng*
		7	**N2416** **Reinforcement Learning-Driven Search Control Strategy for Efficient Various Types of Signal Station Deployment** *Ta-Cheng Chen, Yu-Min Yu, Sheng-Chuan Wang*
		8	**SM2414** **Mechanical Porperty of Polymer Composite With Different Silica Gel Under Differenet Strain Rates** *Wen-Nan Wang, Chi-Fan Liu, Shih-Ying Su, Tao-Hsing Chen*
		9	**SL2412** **Parameter Sensitivity Analysis of the Flux Modulated Cycloidal Magnetic Gear** *Yi-Chang Wu, Feng-Ming Ou, Saian Nur Fajri*
		10	**SD2411** **Novel CNN Extraction Fusion Combined Technology Acceptance Models for Counterfeit Label Classification and Satisfaction Assessment** *Hua-Ching Chen, Hsuan-Ming Feng*

Poster E5 | Online Poster | Official Website

Date	Time	No.	
27th October (Sun.)	**10:45 | 12:30**	**1**	**A2411** **The Photoluminescence and Magnetic Properties of Co/Ca Co-Doped ZnO Nanowires Prepared by the Hydrothermal Process** *Ming-Cheng Kao, Jun-Hong Weng, Chih-Hung Chiang, and Kai-Huang Chen, Tsung-Kuei Kang*
		2	**E2412** **Development of a Compact Wireless Device for Efficient Multi-Biosignal Measurement** *Seungju Han, Taehwan Kim, Sangmin Lee*
		3	**E2414** **3D Printer-Based Reagents Dispenser for PCR Reagent Cartridge of an Automatic Nucleic Acid Analyzer** *Chi-Uk Han, Jong-Won Kim, Mun-Ho Ryu*
		4	**SE2412** **Scale Efficiency Change of Air Cargo System From a National Perspective Based on Malmquist Productivity Index: The Cases of Korea** *Ki-Han Song, Wonho Suh, Won-Ha Lee, Su-Hwan Yoon*
		5	**SE2413** **A Comprehensive Analysis of Seasonal Key Factors in Airport Demand Forecasting: The Case of International Air Passengers in Korea** *Solsaem Choi, Wonho Suh, Cheonjin Park, Ki-Han Song*
		6	**SE2414** **A Vulnerability Index for Multimodal Transportation Network From the Demand Perspective: The Case of Korea** *Ki-Han Song, Wonho Suh, Soo-Hyun Lee, Ha-Jeong Lee*
		7	**SM2411** **Void Formation in the Die Gap During Transfer Molding Process of IC Packaging** *Ian Hu, Tzu-Chun Hung, Mu-Heng Zhou*
		8	**SM2412** **Effect of Heat Treatment on the Magnetic Properties of Grain Boundary Diffused NdFeB Magnets via Dy-Metal Vapor Sorption** *Yu-In Chang, Chih-Chieh Mo, Ching-Chien Huang*
		9	**SK2412** **Optimization Method for Cross-Regional Scheduling of Retired Charging Pile Component Reuse** *Wang Yuan, Wei Li*
		10	**SK2413** **Six Degree of Freedom Redundant Task Trajectory Planning for Green Converter Station Robotic Arm Based on Multi-Sensor Detection** *Yang Li, Pengwang Zhang, Jinyun Yu, Jing Bao, Xianguang Jia, Junwei Yang*

Date	Time	No.	
27th October (Sun.)	**10:45 ｜ 12:30**	11	**F2420** **Generative AI for Scientific Illustration: Exploring Typhoon-Terrain Interactions in Taiwan Using ChatGPT and Midjourney** *Hung-Cheng Chen*
		12	**J2411** **Iterative Optimization Strategy of PM Motor Based on NSGA-III Algorithm** *Ya-Ling Chang, Chia-Min Ting, Chiu-Pao Tien, Chen-Chih Lin, Kuo-Lin Chiu, Yu-Hsun Wu*
		13	**L2414** **Research Analysis of Design Factors From Different Perspectives of Rural Design Experts: Design Factors for Industrial Edge Villages in China** *Ruey-Ming Shih, Yen Hsu, Zhihong Luo*
		14	**SK2411** **Research on Online Fault Identification of Automatic Verification Devices for Electric Energy Meters With Enhanced Samples** *Cong Lin, Ge Zhu, Jing Zhao, Zhaolei He, Ao He*
		15	