

Poster A1

Date	Time	No.	
30 th Oct. (Sat.)	08:00 10:00	1	CJ106 Ramp-Creep Ultrasound Viscoelastography to Quantitatively Evaluate the Viscoelastic Properties of Biomaterials <i>Che-Yu Lin, Yi-Cheng Chen, Chin-Pok Pang, Tung-Han Yang</i>
		2	CL101 Effect of Silicon Carbide Sludge on the Properties of Lightweight Foaming Geopolymer Materials <i>Kae-Long Lin, Kang-Wei Lo, Ya-Wen Lin, Ta-Wui Cheng</i>
		3	CL103 Effective Removal of Cu²⁺ from Aqueous Solution by Synthetic Hydroxyapatite Obtained from Marble Sludge <i>Kae-Long Lin, Sheng-Yuan Peng, Yan-Yu Lin, Ya-Wen Lin, Wei-Hao Lee</i>
		4	CL104 Development of Composite Edible Film Process with Rice Straw and Three Peel Wastes and Analysis of the Product Physiochemical Properties <i>Yu-Ju Lin, Min-Zhi Zhuang, Yu-Ju Lo, Zhi-Yan Wen, Chien-Kuo Han</i>
		5	CO101 Evaluation of Activation Energy for Agricultural Residues with Ignition Temperature <i>Jeng-Liang Lin</i>
		6	A101 Development of Durometer Hardness for Condition Monitoring of Solar Cables <i>Kai-Hsing Yen, Carl Wang</i>
		7	B101 Development of Three-Degree-of-Freedom Electromagnetic Actuator for Image Stabilization <i>Chien-Sheng Liu, Yi-Hsuan Lin</i>
		8	C103 A Low-Noise, Low-Mismatch Current Mirror Based Potentiostat Readout Circuit with Dynamic Element Matching for Glucose Monitoring <i>Kyeongsik Nam, Gyuri Choi, Hyungseup Kim, Yongsu Kwon, Hyoungho Ko</i>
		9	C104 Low-Noise Potentiostat Readout Circuit with Chopper Fully Differential Difference Amplifier for Glucose Monitoring <i>Gyuri Choi, Kyeongsik Nam, Hyungseup Kim, Yongsu Kwon, Hyoungho Ko</i>
		10	C105 A Low-Noise Incremental Delta-Sigma Capacitance-to-Digital Converter with Closed-Loop Chopper Stabilization for Capacitive Microsensors <i>Gyuri Choi, Hyungseup Kim, Kyeongsik Nam, Yongsu Kwon, Youngtaek Roh, Dongkyu Song, Seounghoon Huh, Hyoungho Ko</i>

Poster A1 (Continued)

Date	Time	No.	
30 th Oct. (Sat.)	08:00 10:00	11	C106 A Low-Noise Nanowire Microsensor Readout Circuit with Chopper Stabilized Recycling Folded Cascode Instrumentation Amplifier <i>Kyeongsik Nam, Hyungseup Kim, Yongsu Kwon, Gyuri Choi, Sangmin Lee, Hyoungho Ko</i>
		12	D101 The AWG/Electrical Switch-Based Stochastic Wavelength Hopping Against the Back-Propagation Neural Network Attacking in Artificial Intelligence <i>Yao-Tang Chang</i>
		13	D102 Design of a Measurement System for Measuring Geometric Errors of a Workpiece Table at Two Axes Synchronous Motion <i>Yu-Ta Chen, Ching-Lin Wang, Chien-Sheng Liu</i>
		14	D105 Optimization of Illumination for Monitoring the Seawater Environment <i>Ming-Hui Lai, Chinghua Hung</i>
		15	E101 Real-Time Cough Event Detection System Based on Accelerometer and Microphone Signals <i>Sang-Ho Han, Nam-Gyun Kim, Mun-Ho Ryu</i>
		16	F104 Using Immersive Computer-assisted Instruction to Increase the Ability to Assemble Computers in Level B Computer Hardware Fabrication <i>Cheng-Hsiu Li</i>
		17	F109 Research on Intelligent Construction and Talent Cultivation of Prefabricated Buildings Based on Digital Twins <i>Yafeng Wen, Zhongyuan Chen</i>
		18	G101 Recycling Furnace Slags and Fly Ash of Industrial Byproducts to Produce Slag/Ash Based Zeolite as a New Adsorbed Material <i>Jen-Hao Chi, Chung-Hao Wu, Chi-Min Shu, Yi-Hao Huang</i>
		19	G102 Integrated Ring Slot Antenna with a Crystalline Silicon Solar Cell for 5G Green Communication <i>Yu-Lun Su, Chia-Wei Liu, Shih-Fang Chen</i>
		20	H102 The Intelligent Diagnosis System Design for Electric Motors Based on the Cloud AIoT Platform <i>Yu-Ching Lin, Chih-Min Yao, Heng-Chuan Kan, Jian-Ming Lu, Min-Fu Hsieh, Mi-Ching Tsai</i>

Poster A1 (Continued)

Date	Time	No.	
30 th Oct. (Sat.)	08:00 10:00	21	H103 Smart Manufacturing Application and Cloud Database Platform <i>Hsiao-Yu Chou, Chien-Yao Huang, Chung-Ying Wang, Jung-Hsing Wang, Hui-Jean Kuo, Fong-Zhi Chen</i>
		22	H104 Strengthening Cybersecurity in Smart Manufacturing Based on Strategy of Defense-in-Depth <i>Vipin Ting, Chun-Chen Chuang, Jung-Hsing Wang, Shi-Jia Wang, Chih-Chieh Yang, Chien-Yao Huang, Yu-Wei Lin, Fong-Zhi Chen</i>
		23	H105 Automatic Optical Inspection Technology and Wear Analysis of Straight Cup Grinding Wheel <i>Chung-Ying Wang, Chien-Yao Huang, Jun-Cheng Chen, Keng-Shuo Chang, Yen-Han Chiang, Fong-Zhi Chen</i>
		24	H110 Comparison of Distribution Function: the Design Value and Manufacturing Value of an Optical System <i>Hui-Jean Kuo, Hsiao-Yu Chou, Chien-Yao Huang, Jung Hsing Wang, Chung-Ying Wang, Fong-Zhi Chen</i>
		25	J101 Study on the Effects of Couple Stress Lubricants and Surface Roughness on Squeeze EHL Motion between Porous Medium Layer and Elastic Ball <i>Li-Ming Chu, Cai-Wan Chang-Jian, Hsiang-Chen Hsu</i>
		26	J102 Fabrication of Metal Component by 3D Printing Combined with Lost Wax Casting <i>Chien-Yao Huang, A-Cheng Wang, Hsien-Te Lu, Jun-Cheng Chen, Cheng-Fang Ho, Hui-Jean Kuo</i>
		27	J103 Mean Curvature Effect on the Response and Failure of Round-Hole Tubes Submitted to Cyclic Bending <i>Kuo-Long Lee, Yu-Chun Tsai, Wen-Fung Pan</i>
		28	J111 In-Process Dimensional Measurement for Temperature Uncertainty Evaluation <i>Tsung-Han Hsieh, Ming-Xian Lin, Kuan-Ting Yeh, Po-Er Hsu</i>
		29	J112 In-Process Dimensional Measurement for Geometric Errors Analysis <i>Ming-Xian Lin, Tsung-Han Hsieh, Po-Er Hsu</i>
		30	K101 Performance in Charging Efficiency for Sub-10 nm Particles of Homemade Portable Unipolar Charger <i>Shu-Han Hung, Ta-Chang Yu, Fang-Hsin Lin, Yu-Ju Lin, Akira Kitajima, Yi-Hung Liu</i>

Date	Time	No.	
30 th Oct. (Sat.)	08:00 10:00	31	K102 The Development of X-ray Reflectivity Technology for Critical Dimensions Measurement <i>Guo-Dung Chen, Bo-Ching He, Chun-Ting Liu, Wei-En Fu, Wen-Li Wu</i>
		32	SI110 Fast Real-time Data Process Analysis Technology based on NoSQL for IoT Pavement Management Platform <i>Jae-Kang Lee, Byung-Gon Kim</i>
		33	SI113 Image Labeling Techonology and Detection Model based on R-CNN Pavement Damage Detection <i>Jae-Kang Lee, Byung-Gon Kim</i>
		34	CA101 PMMA Based Nanocomposite Polymer Electrolytes Films Deposited by Ultrasonic Spray Deposition <i>Chi-Ping Li, Yanzhen Liu</i>
		35	CB101 A Kinematic Study on a Novel 3RRR Vibration Platform <i>Wen-Hsiang Hsieh, Qing-An Zhang, Hao-Quan Huang, Liu-Fu Yang, Chia-Ming Hsu</i>

Poster B1

Date	Time	No.	
30 th Oct. (Sat.)	10:15 12:15	1	N105 A Deep Learning-Based Smartphone Photography System for Grading and Recovery Assessment of Chronic Pressure Injury <i>Ta-Cheng Chen, Chuan Yu Li, Yin Li, Chia-Ching Wang, Lee, Pei Jhen</i>
		2	O102 Multi-Objective Competitive Location Problem with Gradual Facility Coverage <i>Sheng-Chuan Wang, Ta-Cheng Chen</i>
		3	O103 A Cybersecurity Case Study Based on IEC 62443 <i>Jung-Hsing Wang, Chien-Yao Huang, Vipin Ting, Hui-Jean Kuo, Hsiao-Yu Chou, Chung-Ying Wang, Chun-Chen Chuang, Shi-Jia Wang, Yu-Wei Lin, Fong-Zhi Chen</i>
		4	O104 Observation of Changes in Marine Characteristics Before and After Typhoon Soulik Using Wave Glider and Underwater Glider <i>Jong-Wu Hyeon, Jung-Han Lee, Dae-Hyeong Ji, Yong-Kuk Lee, Seom-Kyu Jung, Sung-Hyub Ko</i>
		5	O108 Water Color Recognition System Based on Deep Learning Models for Aquaculture <i>Sheng-Yao Xu, Kai-Han Deng, Hsiang-Chieh Chen</i>
		6	SE101 Controllability of Fractional Particle Swarm Optimizer and Its Applications for Heart Disease <i>Fu-I Chou, Tian-Hsiang Huang, Po-Yuan Yang, Chin-Hsuan Lin, Wen-Hsien Ho, Jyh-Horng Chou</i>
		7	SE102 Hyperparameters Optimization for YOLOv3 by Using Taguchi Method for Blood Cell Count and Detection <i>Fu-I Chou, Tian-Hsiang Huang, Po-Yuan Yang, Chun-Chieh Huang, Wen-Hsien Ho, Jyh-Horng Chou</i>
		8	SE103 An Artificial Intelligence Model with Ensemble Strategy for Predicting Adequacy of Vancomycin Regimen <i>Wen-Hsien Ho, Tian-Hsiang Huang, Yenming J. Chen, Lang-Yin Zeng, Fen-Fen Liao, Yeong-Cheng Liou</i>
		9	SE104 Design of Assisted Medical Diagnosis E-Learning System <i>Cheng-Yuan Wang, Yao-Siang Lai, I-Te Chen, Wen-Hsien Ho</i>
		10	SE105 High-Reliable Non-Contact Photoplethysmography Imaging for Newborn Care by Generative Artificial Intelligence <i>Yenming J. Chen, Lung-Chang Lin, Kao-Shing Hwang, Chia-Te Liao, Wen-Hsien Ho</i>

Poster B1 (Continued)

Date	Time	No.	
30 th Oct. (Sat.)	10:15 12:15	11	SE106 Classifying Microscopic Images for Acute Lymphoblastic Leukemia Using an Ensemble Model <i>Yao-Mei Chen, Fu-I Chou, Wen-Hsien Ho, Jinn-Tsong Tsai</i>
		12	SF101 Integrating Taguchi Method and Gray Relational Analysis for Auto Locks By Using Multiobjective Design in Computer-Aided Engineering <i>Wei-Tai Huang, Zi-Yun Tasi</i>
		13	SF104 Gamification in Business Management Education: Focus on Learners' Characteristics and Emotional States <i>Kuang-You Tien, Tienhua Wu, Bo-Syun Wang</i>
		14	SF105 Assessing the Effects of Gamification on Enhancing Information Security Awareness Knowledge <i>Tienhua Wu, Wei-Chih Hsu, Kuang-You Tien, Fu-Hsiang Wen</i>
		15	SF106 Case Study on the Development of Prospective Teachers' Computational Thinking Ability from Multiple Intelligences: Special Topics Study <i>Wei-Ling Tang, Jinn-Tsong Tsai</i>
		16	SF107 Nondestructive Acoustic Screening of Pineapple Ripeness by Unsupervised Machine Learning and Wavelet Kernel Methods <i>Yenming J. Chen, Wen-Hsien Ho, Jinn-Tsong Tsai</i>
		17	SF108 Intelligent Fault Prevention—A Framework in Bayesian Adversarial Assimilation <i>Fu-I Chou, Wen-Hsien Ho, Jinn-Tsong Tsai, Yenming J. Chen</i>
		18	SF110 The Design of a New Supersonic Shock Wave Generator and Application in Power Generation <i>Ming-Sen Hu</i>
		19	SG101 Development and Testing of Ultra Low Thermal Conductivity Cementless Composites Using By-Products <i>Wei-Ting Lin, Wen-Que Zhao, Yi-Hua Chang, Wei-Chia Chen</i>
		20	SH101 Determination of Process Parameters for Additive Manufacturing with Inconel 718 Powder <i>Jeng-Nan Lee, Ming-Jhang Shie, Zheng-Leng Ye</i>

Poster B1 (Continued)

Date	Time	No.	
30 th Oct. (Sat.)	10:15 12:15	21	SH102 Studies on the Performance Prediction of Flank Milling for Ti6Al4V Using Neural Network <i>Ming-Hsu Tsai, Jeng-Nan Lee, Ming-Hong Deng</i>
		22	SH103 Neural Network for the Prediction of Surface Roughness and Machining Accuracy during Milling <i>Ming-Hsu Tsai, Jeng-Nan Lee, Hung-Da Tsai, Hung-Shyong Chen</i>
		23	SH104 Improvement in the Efficiency of the Five-Axis Rough Machining of Aerospace Blisks <i>Jeng-Nan Lee, He-Lung Yeh, Ming-Jhang Shie, Teng-Hui Chen</i>
		24	SH105 Studies on the Machining Character of Polycrystalline Diamond Using Wire EDM <i>Teng-Hui Chen, Jeng-Nan Lee, Yu-En Hsu</i>
		25	SH106 Studies on the Numerical Control Programming for Multi-Axis Machining of the Turbo-Blisk Rotor <i>Jeng-Nan Lee, Yu-Cheng Chen, Ming-Jhang Shie, Teng-Hui Chen</i>
		26	SH110 U-Net with Dilated Convolutional Networks for Image Deblurring <i>Song-Yih Lin</i>
		27	SH111 Intelligent Collaboration Model of Multi-Agents System for Autonomous Mobile Robots <i>Chung-Chi Huang, Chung-Lin Huang, Bo-Yang Ding</i>
		28	SH112 A Novel Machine Learning Based Model of Inverse Solution of Process Parameters for Optimized Quality <i>Chung-Chi Huang, Chung-Lin Huang, Bo-Yang Ding</i>
		29	SH113 Development of Machine Learning Based Intelligent Prescription System for Somatic Fitness and Healthcare <i>Hsiao-Man Liu, Chung-Chi Huang, Chung-Lin Huang, Yen-Ting Ke</i>
		30	SH114 An Intellegnt Prediction of the Learning Performerce from the Chinease Language Assesment of International Student by Random Forest Method <i>Chung-Lin Huang, Chung-Chi Huang</i>

Poster B1 (Continued)

Date	Time	No.	
30 th Oct. (Sat.)	10:15 12:15	31	SI108 Analysis of Positioning Accuracy of GNSS RTK System according to Positioning Environment <i>Jae-Cheol Lee, Dong-Ha Lee</i>
		32	F110 A Secure Data Hiding Scheme Based on Sudoku <i>Bo-Wei Lin, Yu-Chih Huang, Chun-Cheng Wang, Wen-Chung Kuo</i>
		33	SL101 A Design on Combinations of Two Different Categorizations of Deep Neural Networks by Feature-Level Fusion for Image Sensor-Based Hand Gesture Intention Categorizations <i>Ing-Jr Ding, Nai-Wei Zheng</i>
		34	CO102 On the Estimation of Mission Performance Index of Unmanned Surface Vehicle Based on Mission Coverage <i>Jae-Yong Lee, Nam-Sun Son</i>
		35	O112 A Study on the Product Design by Using Usability Analysis Based on Affordance <i>Shuo-Fang Liu, Ming-Hui Shao, Nien-Te Liu, Jyun-Jie Liao, Chang-Tzuoh Wu</i>

Poster D1

Date	Time	No.	
31 st Oct. (Sun.)	08:00 10:00	1	SI115 Detecting Unauthorized Buildings and Facilities on the Public Land with High Resolution Satellite Images <i>Yong Huh, Jae-Kang Lee</i>
		2	SI116 Geospatial Simulation System of Mountain Area Black Ice Accident <i>Yong Huh, Jae-Kang Lee</i>
		3	SM103 Optimal Path Planning of UAV Surveillance System <i>Rong-Jong Wai, Alex Sanjaya Prasetia</i>
		4	SN101 Outlier Rejection for Reducing Position Error in Navigation System Based on Multi Sensors <i>Dae-Hyeong Ji, Sang-Ki Jeong, Jung-Han Lee, Sung-Hyub Ko, Jong-Wu Hyeon, Hyeung-Sik Choi</i>
		5	SN102 A Study on Anomaly Detection of Unmanned Marine Systems Using Machine Learning <i>Sang-Ki Jeong, Dae-Hyeong Ji, Hyeung-Sik Choi</i>
		6	SN103 Adaptive Neural Network Control of Hexarotor <i>Rong-Jong Wai, Alex Sanjaya Prasetia</i>
		7	SO102 Applying the Principles of Healthcare Failure Mode and Effect Analysis (HFMEA) to Improve the Research of Ventilator Maintenance Strategies <i>Ching Chang, Jen-Shu Chia, Chen-Hsuan Yang, Ching-Hui Yang, Yung-Tai Chiang</i>
		8	SO103 A Novel Prime-Number-Based Filtering Mechanism at Interactive Dating System <i>Yen-Chiu Chen, Kun-Ming Yu, Chan-Hsiang Lee</i>
		9	SO104 Deep Learning Based Real-Time Tourist Spots Detection and Recognition Mechanism for Hsinchu City in Taiwan <i>Yen-Chiu Chen, Kun-Ming Yu, Tzu-Hsiang Kao, Hao-Lun Hsieh</i>
		10	SO109 Topic Knowledge Maps with Artificial Intelligence Optimization Approach, Frequent Asked Questions as an Example <i>Deng-Yiv Chiu, Jin-Fu Hung, Chi-Chung Lee</i>

Poster D1 (Continued)

Date	Time	No.	
31 st Oct. (Sun.)	08:00 10:00	11	SO110 Use of Augmented Reality on Repository to Influence Learning Motivation and Effectiveness <i>Chun-An Chen, Hsin-I Lai</i>
		12	SO112 Predication of Undisciplined Policemen by Discriminated Method Analyzed <i>Ryi-Kui Yu, Kuang-Tai Liu, Hsin-Yun Ma</i>
		13	SO113 Recognition of Fresh Giant Seaperch by Convolution Neural Network Model of Deep Learning Method <i>Ryi-Kui Yu, Kuang-Tai Liu, Hsin-Yun Ma</i>
		14	SO118 Research of Scientific Data Analysis of Sports Brand Loyalty- Taking the Purchase of NIKE Sneakers as an Example <i>Cheng-En Wu, Tzu-Kuang Hsu, Yao-Hsu Tsai, Wei Y. Huang</i>
		15	SO124 The Muscle Performance and Energy Changes of Lower Limbs Plyometric Training: A Biomechanical Analysis <i>Wei-Yang Huang, Meng-Zhu Liu, Cheng-En Wu</i>
		16	SO125 Predict the Exercise Behavior Intention of the Older Adults in Taipei City to Promote Exercise Behavior <i>Wei-Yang Huang, Cheng-En Wu</i>
		17	SO126 Probe into the Cognition and Behaviour of Regular Exercise of Female College Students with the Technological Training System <i>Cheng-En Wu, Tzu-Kuang Hsu, Yao-Hsu Tsai, Kuang-Chung Wang</i>
		18	SO128 A Study on Intelligent Animal Husbandry Detection Algorithm through Improved YOLOv3 <i>Dong Wang, Xiang-Rong Chen, Feng-Hsiung Hou</i>
		19	SO129 Development of Real-Time Monitoring and Fault Identification System for Machinery Operation <i>Feng-Hsiung Hou, Ping-Yu Lin, Jia-Jiun Shu, Mei-Yan Qin</i>
		20	SO130 Emotion Detection Based on Pupil Variation <i>Ching-Long Lee, Wen Pei, Yu-Cheng Lin, Min-Chi Chiu</i>

Poster D1 (Continued)

Date	Time	No.	
31 st Oct. (Sun.)	08:00 10:00	21	SO131 Study on Falling Behavior Recognition of Elderly Based on Human Skeleton Information <i>Dong Wang, Wei-Qiang Li, Feng-Hsiung Hou</i>
		22	SO132 Study on the Design of an Intelligent Detection System for Smoking Based on Improved YOLOV4 <i>Dong Wang, Jian Yang, Feng-Hsiung Hou</i>
		23	SO133 Design of Elderly Care System Based on Deep Learning and Expression Recognition Technology of Artificial Intelligence <i>Feng-Hsiung Hou, Dong Wang, Chih-Wu Chang, Ping-Yu Lin, Jia-Jiun Shu</i>
		24	SO134 Research on the Planning and Evaluation of Intelligence Factory in Food Manufacturing Related Industries <i>Xin Wang, Feng-Hsiung Hou, Chien-Chi Chu</i>
		25	SO135 Using Sports Technology Equipment to Test the Effect of Weight Training on the Body Composition of Office Workers <i>Huei-Wen Pan, Hsuan Huang, Wei-Yang Huang, Cheng-En Wu</i>
		26	SP101 Automatic Detection and Classification of Coffee Bean Defects via Deep Learning <i>Shyang-Jye Chang, Chien-Yu Huang</i>
		27	SP105 Application of Mold Flow Analysis to Discuss the Difference between Products in Normal and Conformal Cooling Channels <i>Yu-Chia Liu, Guan-Chen Chen</i>
		28	SR101 Study on Border Patrol Task Planning of Heterogeneous UAV Group Based on Swarm Intelligence <i>Shiyun Chen, Yuxuan Sun, Miaohan Zhang, Haishi Liu, Nan Pan, Dilin Pan</i>
		29	SR102 Combination Delivery of Fresh Agricultural Products by UAV and Vehicle Considering Time Window Constraint <i>Miaohan Zhang, Shiyun Chen, Haishi Liu, Yuxuan Sun, Nan Pan, Dilin Pan</i>
		30	SR103 Study on Intelligent Scheduling Model of Warehouse Employees for Shopping Festival <i>Hongyu Xiang, Yuhang Han, Haishi Liu, Yueming Xu, Nan Pan, Dilin Pan</i>

Poster D1 (Continued)

Date	Time	No.	
31 st Oct. (Sun.)	08:00 10:00	31	SR104 Study on the Optimization of Urban Emergency Material Distribution Path for Epidemic Outbreak <i>Jianing Cao, Yuhang Han, Haishi Liu, Nan Pan, Dilin Pan, Yueming Xu</i>
		32	SP106 A Kinematic Study on a Cable Driven Automatic Filament Changer for 3D Printers <i>Wen-Hsiang Hsieh, Yei-Xian Hu</i>
		33	J115 Development of Information Exchange through Angular Positioning Error Measurement Instrument Used in Machine Tools <i>Jr-Rung Chen, Fan-Hsi Hsu</i>
		34	SM101 A Study of Pitched-Baseball Trajectory Analysis by Using Image Deep Learning Algorithm <i>Bor-Jiunn Wen, Che-Rui Chang, Chun-Wei Lan, Yi-Chen Zheng</i>
		35	CJ101 Applying Long Short-Term Memory to Indirectly Predict the Surface Roughness of Grinding Wheel <i>Yen-Han Chiang, Cheng Fu Chou, Chien-Yao Huang, Chung-Ying Wang</i>

Poster E1

Date	Time	No.	
31 st Oct. (Sun.)	10:15 12:15	1	ST103 Dynamic Friction of Polymer Artificial Hip Joint Spacer Material <i>Nguyen-Van Quyet, Song-Ru Tsai, Liren Tsai</i>
		2	SS101 Study of Point Laser-Based Rapid Comparison System for Rifling Traces of Bullets <i>Shibo Pan, Dilin Pan, Nan Pan, Xiao Ye, Miaohan Zhang</i>
		3	SS102 Study on the Optimization Method of Temperature and Humidity Sensor Layout of Raw Tobacco Pallets Based on Group Intelligence <i>Yueming Xu, Shiyun Chen, Bin Chen, Jilai Zhou, Renjie Xu, Dilin Pan, Nan Pan</i>
		4	SS103 Development of a Continuous Blood Pressure Measurement by Using a Deep Learning Algorithm and Dual Photoplethysmography Sensor Signals Acquisition Technology <i>Chih-Ta Yen, Yi-Kai Huang, Jia-Xian Liao, Sheng-Nan Chang</i>
		5	SS104 Batch Filing System of Bullets' Rifling Traces Based on Point Laser Detection <i>Hongyu Xiang, Dilin Pan, Nan Pan, Xiao Ye, Shibo Pan</i>
		6	SZ101 Evaluation of Ad Hoc Distributed Traffic Simulation <i>Wonho Suh</i>
		7	SZ102 Regional Railroad Project Evaluation Based on Attractiveness and Risk Analysis <i>Sunduck Suh, Ki Han Song, Wonho Suh</i>
		8	SZ103 Determinants of Individuals' Charging Station Choices: A Comparative Analysis between Matured and Early-Stage Cities, Jeju and Gangneung, Korea <i>Daejin Kim, Doyun Kwon, Jihoon Han, Wonho Suh</i>
		9	SZ104 Post COVID19 Transportation Scenario Using Cross-Impact Analysis <i>Ki-Han Song, Wonho Suh</i>
		10	SZ105 Analysis of Greenhouse Gas Emissions during Peak and Non-Peak Hours on Non-Interrupted Traffic Flow <i>Sunhee Jang, Daejin Kim, Ki-Han Song, Wonho Suh</i>

Poster E1 (Continued)

Date	Time	No.	
31 st Oct. (Sun.)	10:15 12:15	11	WA105 Sensory and Gait Function Quantifiers as Elderly Cognitive Impairment Prodromal Marker Candidates <i>Emilija Kostic, Kiyoung Kwak, Dongwook Kim</i>
		12	WB101 Differences in Biomechanical Lower-limb Joint Function between Elderly with and without Cognitive Decline <i>Kiyoung Kwak, Emilija Kostic, Dongwook Kim</i>
		13	WB102 Postural Control of Elderly with Decreased Cognitive Function during Level walking <i>Kiyoung Kwak, Emilija Kostic, Dongwook Kim</i>
		14	WC102 WiFi-Based Cross-Environmental Human State Detection Using Adversarial Discriminative Domain Adaptation <i>Chien-Cheng Lee, Zhong-Jian Gao</i>
		15	WC103 Develop the Reliability and Validity of the Chinese Bedtime Procrastination Assessment Scale for College Students <i>XinJian Cai, Yu-Wen Fang, Yu-Lin Gao</i>
		16	WC104 Study on the Relationship between Professional Identity and Self-Efficacy of Undergraduate Nursing Students under Novel Coronavirus Epidemic Situation <i>Yuanrong Wu, Senmei Zeng, Yu-Wen Fang</i>
		17	WC105 Investigation on Professional Identity of Undergraduate Nursing Students under Novel Coronavirus Epidemic Situation <i>Yuanrong Wu, Senmei Zeng, Yu-Wen Fang</i>
		18	WC106 The Effect of Nursing Work Environment and Coping Style on Empathy Fatigue in Emergency Nurses <i>Zhengyi Wang, Yudong Huang, Guo Yin, Yu-Wen Fang</i>
		19	WE101 A Lightweight Hierarchical Convolution Network for Brain Tumor Segmentation <i>Yuzhen Cao, Yuhu Wang, Hongtao Wu, Qin hao Zhang, Jinqiu Li, Hui Yu</i>
		20	WF101 Forecasting of Influenza Deaths in the United States with the Seasonal ARIMA Model <i>Shih-Lin Lin, Yi-Hsien Lin</i>

Poster E1 (Continued)

Date	Time	No.	
31 st Oct. (Sun.)	10:15 12:15	21	TB101 Carbon Dioxide Adsorption on Carbon Nanofibers with Different Porous Structures <i>Yu-Chun Chiang, Chih-Cheng Huang, Wei-Ting Chin</i>
		22	TC101 Analysis Factors of Heat Island Effect in the Urban Development Area of New Taipei City by GIS and CFD <i>Chih-Ching Chiang, Ying-Ming Su</i>
		23	TC103 A Digital Twin-Based Predictive Error Compensation for the Robotic Construction of Free-Form Architecture <i>Zhang Ye, Zhang Kun</i>
		24	SO114 The Impact of COVID-19 Pandemic on Taiwan Hotel Stock Performance under the Taiwan Stock Exchange <i>Tenzin Namgyal, Yao-Hsu Tsai, Chen-kai Ling</i>
		25	SP103 An Innovative Design of Desktop Shuttle Loom with Open-Type Rigid Heald <i>Jian-Liang Lin, Kuo-Hung Hsiao</i>
		26	SV103 Application of Servo Motion Curve in Forging of 6061 Aluminum Alloy Vehicle Parts <i>Tung-Sheng Yang, Can-Xun Zhang, Tin-Fu Chang, Guan-Hua Chen</i>
		27	SP104 Structural Analysis of Traditional Chinese Blocked-Keyhole Locks <i>Kuo-Hung Hsiao, Hsin-Te Wang, Jian-Liang Lin, Chin-Fei Huang</i>
		28	SZ106 Perceptions on Regional Benefit of Airport Development and Operation <i>Ki-Han Song, Wonho Suh</i>
		29	O110 X-ray Metrology Inspection for 3 nm or 2 nm Advanced Semiconductor Processes <i>Chun-Ting Liu, Bo-Ching He, Guo-Dung Chen, Wen-Li Wu, Wei-En Fu</i>
		30	F108 The Spinning Speed Measurement and Analysis IoT System for Table Tennis Technology Application <i>Yung-Hoh Sheu, Minh-Anh Nguyen, Chi-Chia Sun, Jing-Ha Zhang, Tz-Yun Chen</i>

Poster E1 (Continued)

Date	Time	No.	
31 st Oct. (Sun.)	10:15 12:15	31	SD103 Musical Source Separation Using End-to-End Deep Learning <i>Ming-Shian Tsai, Jia-Shing Sheu</i>
		32	A106 Effect of Al Concentration on the Microstructural and Mechanical Properties of Lightweight Ti60Al_x(VCrNb)_{40-x} Medium-Entropy Alloys <i>Yu-Chin Liao, Wei-Tong Ye, Po-Sung Chen, Pei-Hua Tsai, Jason Shian-Ching Jang, Ker-Chang Hsieh, Chih-Yen Chen, Jacob C. Huang, Hsin-Jay Wu, Yu-Chieh Lo, Chang-Wei Huang, I-Yu Tsao</i>
		33	A103 Microstructure and Mechanical Properties of Low Density Al-Rich Quinary High Entropy Alloys <i>Po-Sung Chen, Yen-Ting Lin, Yu-Chin Liao, Sin-Mao Song, Pei-hua Tsai, Jason Shian-Ching Jang, Ker-Chang Hsieh, Chieh-Yen Chen, Jacob Chih-Ching Huang, Hsin-Jay Wu, Yu-Chieh Lo, Chang-Wei Huang, I-Yu Tsao</i>
		34	SD104 Facial Expression Recognition Based on Feature Points Geometric Operations <i>Yu-Lung Chiu, Jia-Shing Sheu</i>
		35	SI103 A Study on Improving Accuracy of Forest Fire Damage Area Analysis Using Distortion Correction of SAR Satellites <i>Hyo-Jin Lee, Min-Kyo Youm, Hong-Sic Yun</i>
		36	O113 Research on the Application of Eye-Tracking Technology in Improving the Learning Effect of Mechanical Design <i>Shuo-Fang Liu, Ming-Hui Shao, Nien-Te Liu, Chang-Tzuoh Wu</i>