

October 31
Day 1

Session A1 | Room A

Date	Time	C. Electrical & Electronic Engineering ; J. Mechanical Engineering <i>Session Chair: Huai-Wen Tsai ; Po-Tong Wang</i>
31 Oct. (Sat.)	08:00 08:15	C2613 Design and Implementation of an STM32-Based Digitally Controlled Ground-Disconnected Buck Converter <i>Ji-Pyng Chiou, Ming-Hung Chen, Hao-Yu Chen</i>
	08:15 08:30	C2614 Development and Practical Calibration Procedure of an STM32-Based Dual-Loop PI Control System for a DC-DC Boost Converter <i>Ji-Pyng Chiou, Ming-Hung Chen, Sheng-Ying Zheng</i>
	08:30 08:45	C2615 A Hardware-Driven Dual-Mode Control Scheme for LLC Resonant Converters across a Wide Load Range <i>Jia-Hao Chen, Ming-Hung Chen</i>
	08:45 09:00	C2616 Comparison of Switching Performance between GaN and SiC Power Devices Using the Double Pulse Test <i>Kuei-Yuan Cheng, Ming-Hung Chen</i>
	09:00 09:15	C2617 A Hybrid Taguchi-NSGA-II Framework for Multi-Objective Charging Optimization of Lithium-Ion Batteries <i>Yu-Po Chen, Ming-Hung Chen</i>
	09:15 09:30	C2619 Energy Efficiency and Power Quality Improvement of a Power Factor Correction System for Conventional Fluorescent Lamp Loads <i>Huai-Wen Tsai, Kuei-Chuan Liu, Tseng-Chi Tai</i>
	09:30 09:45	C2620 Performance and Energy Efficiency Analysis of a 555 Timer-Based PWM Controller for DC Fan Speed Regulation <i>Huai-Wen Tsai, Kuei-Chuan Liu, Tseng-Chi Tai</i>
	09:45 10:00	J2614 Flow Passage Optimization of an Industrial 5/2 Pneumatic Pilot-Operated Valve Using SolidWorks Flow Simulation <i>Huai-Wen Tsai, Yu-Hua Lee, Peter Liu</i>

Session A2 | Room A

Date	Time	G. Green Technology & Civil Engineering ; SB. Recent Advances in Infrastructure Technologies ; TA. Civil & Structure Engineering <i>Session Chair: Dae-Jin Kim</i>
31 Oct. (Sat.)	10:15 10:30	
	10:30 10:45	
	10:45 11:00	SB2619 Modeling the Punching Behavior of Slab–Column Connections Strengthened with UHPC <i>Hyun-Soo Youm, Dae-Jin Kim</i>
	11:00 11:15	SB2620 Multiscale-Based UHPC Material Modeling and Four-Point Bending Validation <i>Seung-Jae Hong, Hyun-Soo Youm, Dae-Jin Kim</i>
	11:15 11:30	SB2621 Digital Shape Modeling and Manufacturability Validation of Irregular Modular Connectors Using 3D-Printed Segmented Molds <i>Jonghwan Park, Jun Lee, Dae-Jin Kim</i>
	11:30 11:45	TA2611 Seismic Analysis of Reinforced Concrete Buildings Retrofitted with Infilled Steel Frames <i>Hyerin Lee, Dae-Hwan Kim and Sunwoo Hwang</i>
	11:45 12:00	G2611 Research on the Application of Handheld 3D Combined with BIM in the Analysis of Real Time Building Conditions <i>Ren-Jwo Tsay</i>

Session A3 | Onsite Oral / Paper Award | Room A

Date	Time	SA. Best Paper Awards ; M. Innovation Management <i>Paper Award Chair: Feng-Ming Ou</i> <i>Session Chair: Chung-De Chen</i>
31 Oct. (Sat.)	13:30 13:45	SA2616 (Paper Award) A Data-Driven Predictive Framework for Diagnosing Regional Digital Inequality: Hierarchical Regression and Heatmap Modeling with Implications for AI/GenAI-Supported Education <i>Kai-Yu Tang, Chun-Hua Hsiao</i>
	13:45 14:00	SA2617 (Paper Award) A Cat Identification System Based on a Custom Lightweight Convolutional Neural Network <i>Yueh-Yu Hsiao, Jia-Shing Sheu</i>
	14:00 14:15	SA2618 (Paper Award) Enhancing Virtual Joint Model Accuracy through a Kinetostatic-Guided Posture Selection Strategy <i>Cho-An Chiang, Chung-De Chen</i>
	14:15 14:30	M2611 Applying Importance–Performance Analysis to Evaluate the Service Quality of Sports Sunglasses in Optical Stores: Perspectives of Sports Sunglasses Wearers <i>Chieh Wu</i>
	14:30 14:45	M2613 Applying Importance-Performance Analysis to Measure the Service Quality of Optometry Clinics: A Perspective of Customers in Guiren District, Tainan City <i>Kai Wu</i>
	14:45 15:00	M2614 Technology or Service? An Exploratory Study of Customer Service Needs in AI-Powered Hair Coloring Services <i>Yu-Chieh Han</i>
	15:00 15:15	M2616 Exploring the Use of Artificial Intelligence in Personal Health Management <i>Hsin-Tzu Chen</i>
	15:15 15:30	M2615 An Analytic Hierarchy Process Approach to Laboratory Biohazard Risk Assessment and Weighting — Based on Taiwan CDC Laboratory Biosafety Guidelines <i>Shu-Chuan Huang, Chi-Yu Chuang, Chiou-Jong Chen</i>
	15:30 15:45	M2612 The Impact of Innovative Educational Management on the Sustainable Development of Rural Schools – A Case Study of Elementary and Secondary Schools in Pingtung County <i>Chun-Hsiung Yeh</i>

Session B1 | Room B

Date	Time	B. Mechatronic and Robotics Engineering ; SC. Applications in Machine Learning and Smart Automation ; SF. Recent Innovations and Applications in Multimedia ; SG. Artificial Intelligence for Image Processing ; WC. HEALTH CARE TECHNOLOGY <i>Session Chair: Hao-Ming Hsiao</i>
31 Oct. (Sat.)	08:00 08:15	SF2612 Application of a Customized CNN Model for Face Emotion Recognition <i>Yu-Lun Hsiao, Jia-Shing Sheu</i>
	08:15 08:30	SF2614 A Lightweight Deep Learning Approach to Traditional Chinese Character Recognition <i>Chia-You Chi, Jia-Shing Sheu</i>
	08:30 08:45	SF2615 A Lightweight YOLOv11-Based Edge Computing System for Real-Time Table Tennis Landing Point Detection <i>Meng-Ting Wu, Jia-Shing Sheu</i>
	08:45 09:00	SF2616 A Real-Time Monocular Motion Capture Retargeting System Based on Spatio-Temporal Topology Constraints and Dimensionality Reduction Mapping <i>Yen-Yu Chen, Yu-Fang Chen, Jia-Shing Sheu</i>
	09:00 09:15	SC2611 Deep Learning for Cause-Specific Mortality Prediction in Older Adults Using Multidomain Health Examination Data <i>Hung-Hung Chen, Wei-Ming Cheng, Yen-Hua Huang</i>
	09:15 09:30	SG2612 A Two-Stage Cascade AI System for KUB Stone Detection and Edge Deployment <i>Chung-Ning Huang, Yi-Wei Su, Yu-Chen Tu, Wei-Ming Cheng, Yen-Hua Huang</i>
	09:30 09:45	WC2614 Interpretable, Edge-Deployable Video Blink Phenotyping for Dry-Eye Risk Monitoring: A Technical Feasibility Study <i>Jiunn-Harn Teng, Shih-Sung Lin, Yu-Min Chang, Ke-Feng Lin, Shing-Sheng Yuan, Yao-Chang Chen, Ping-Nan Chen</i>
	09:45 10:00	B2611 Teleoperated Surgical Robot for Interventional Cardiology <i>Hung-Wei Chu, Tsai-Ying Kuo, Yu-Cheng Tsai, Tzu-Hsien Lee, Kai-Hsin Chang, Yi-Ciao Hsieh, Hao-Ming Hsiao</i>

Session B2 | Room B

Date	Time	F. Computer & Information Engineering ; O. Other Engineering and Technology related topics ; SK. Mechanism, Machine and Electric Machine Design ; WB. BIOMECHANICS <i>Session Chair: Sukwon Kim ; Saian Nur Fajri</i>
31 Oct. (Sat.)	10:15 10:30	WB2612 Post-Activation Performance Enhancement Following Loaded Plyometric Conditioning Activities Is Accompanied by Lower-Limb Interjoint Coordination Adjustments <i>Boyu Shen, Youngsuk Kim, Daewon Kim, Pamyang Mu, Weihao Fu, Sukwon Kim</i>
	10:30 10:45	F2622 Securing Assessment Integrity in the AI Era: An Open-Source Virtualized Lab Platform with Network-Layer Attribution <i>Martin Tutko, Wapee Manopiniwes</i>
	10:45 11:00	WB2615 Support-Condition-Dependent Braking Organization during Reactive Change of Direction in Individuals with Long-Term Soccer Training <i>Zhengxiao Zhang, Bin Zhu, Daewon Kim, Youngsuk Kim, Sukwon Kim</i>
	11:00 11:15	O2617 Using Inertial Measurement Unit (IMU) Technology to Analyze the Effects of Medicine Ball Training on Youth Baseball Players' Swing Performance <i>Chia-Hsin Hsueh, Yun-Tai Sung, I-Hsin Hsueh, Chia-Chun Wu, Pu-Hsi Tsai</i>
	11:15 11:30	O2618 Application of Inertial Measurement Unit (IMU) Technology in Analyzing the Effects of Flexi-Bar Vibration Training on Baseball Players' Swing Performance <i>I-Hsin Hsueh, Yu-Lun Liu, Chia-Hsin Hsueh, Chia-Chun Wu, Pu-Hsi Tsai</i>
	11:30 11:45	SK2611 Simulation and Analysis of a Exercise Equipment Power Generation and Grid-Connected System <i>Wan-Tsun Tseng, Cong-Xian Lin, Yen-Cheng Liu</i>
	11:45 12:00	SK2613 3D Geometric Reconstruction and Search Framework for the Flux-Modulation Part in Eccentric Magnetic Gears <i>Saian Nur Fajri, Yi-Chang Wu, Feng-Ming Ou</i>

Poster D2 | Onsite Poster | Foyer

Date	Time	No.	Session Chair: Tz-Yun Chen
31 Oct. (Sat.)	10:15 12:00	1	O2612 Flexural Performance Evaluation of NRC Beam Using L-Shaped Angles <i>Sung-Deok Chon, Min-Chae Doo, Won Seo, Ji-Hwan Jeon, Chae-Min Lee, Seunghun Kim</i>
		2	O2613 Bending Performance Evaluation of Concrete-Filled Composite Beams with T-Shaped Sections <i>Chae-Min Lee, Min-Hyoek Park, Taesoo Kim, Hae-Yong Park, Seunghun Kim</i>
		3	O2614 Effective Prestressing Force of Disc Springs in Self-Centering Damping Systems <i>Won-Ki Hong, Yeong-Sang Park, Sung-Jin Hwang, U-Jin Kwon, Seung-Hun Kim, Hae-Yong Park</i>
		4	SB2616 Simulation of a Taxi Stand Operation Using VISSIM Vehicle Actuated Programming <i>Jae-Hyeok Leem, Ki-Han Song, Wonho Suh</i>
		5	SB2617 Double Attention-Driven Multimodal Traffic Flow Prediction: A Big Data Deep Learning Approach <i>Salah Ghodhbani, Sabeur Elkosantini, Seongkwan M. Lee, Wonho Suh, Ki-Han Song</i>
		6	SB2618 Hybrid Convolutional Hypergraph-LSTM for Multi-Dimensional Incident Dynamics in Spatio-Temporal Systems: Application to Urban Transportation <i>Sabeur Elkosantini, Salima Mnif, Seongkwan M. Lee, Wonho Suh, Saber Darmoul</i>
		7	SI2614 Development of a Vision-Based Monitoring and Alert System for Prolonged Sitting and Poor Sitting Postures <i>Chun-Fu Tsai, Zong-Yu Li, Chiao-Wei Huang, Yun-Hao Yang, Fu-Shiang Wen, Feng-Tsang Wu</i>
		8	SI2613 Exploring Relationships between AI Competence and Self-Regulated Learning in Creativity and Entrepreneurship Education <i>Tienhua Wu, Sheng-Chih Huang, Guan-Ying Lu</i>
		9	SI2615 Spontaneous Use of Generative AI and Learning Performance: Evidence from a Statistics Course at a Military College <i>Li-Feng Lin</i>
		10	SI2616 Retail Life Cycle Stage and Business Model Transformation of Unmanned Retail: A Case Study of 7-ELEVEN X-STORE <i>Jia-Hui Lin, Pei-Ru Li, Xu-Hong Ren, Yu-Rui Huang, Ri-Yu Huang, Zi-Yang Guo, Jun-Zhe Xu</i>

Poster D2 (continued) | Onsite Poster | Foyer

Date	Time	No.	Session Chair: Tz-Yun Chen
31 Oct. (Sat.)	10:15 12:00	11	SB2612 Public Transit Service Vulnerability Analysis considering Demand Uncertainty <i>Cheonjin Park, Kihan Song</i>
		12	SB2613 Node–Place–Commercial Model for Station-Area Imbalance Classification and Demand Growth Analysis <i>Youngjoo Oh, Kihan Song</i>
		13	SB2614 Congestion Phase Transition and Critical Capacity in the Metropolitan Approach Control Area <i>Suhyun Lee, Ki-Han Song, Wonho Suh</i>
		14	SB2615 Spatiotemporal Dynamics of Road Network-Based Accessibility Inequality: A Spatial Autocorrelation and Spatial Markov Chain Approach <i>Won-Ha Lee, Ki-Han Song</i>

Poster D3 | Onsite Poster | Foyer

Date	Time	No.	Session Chair: Tz-Yun Chen
31 Oct. (Sat.)	13:30 15:45	1	WB2622 The Prospective Cohort study of Gait Biomechanics of Older Adults at High Risk of Cognitive Impairment <i>Kiyoung Kwak, Dongwook Kim</i>
		2	WC2611 Personalized Sensory-Motor Training Based on Longitudinal Study for Cognitive Improvement <i>Jeongeun Yoon, Kiyoung Kwak, Dongwook Kim</i>
		3	WC2612 Effects of Enhanced Autonomic Nervous System Regulation Through Sensory, Balance, and Gait Training on Cognitive Function in Older Adults at Risk of Cognitive Decline <i>Chaerin Yun, Kiyoung Kwak, Dongwook Kim</i>
		4	WC2613 Motor and Sensory Function Characteristics associated with Mild Cognitive Impairment Subtypes Classification in Older Adults <i>Shin-Young Lee, Ki-Young Kwak, Dong-Wook Kim</i>
		5	WB2614 What Coaches Must Know When Instructing Experienced Amateur Tennis Players to Improve Their Forehand Stroke <i>Shuai Wang, Youngsuk Kim, Daewon Kim, Panyang Mu, Sukwon Kim</i>
		6	WB2620 Effects of Ground Slope on Hamstring Muscle Activity and Kinematics During the Nordic Hamstring Exercise <i>Youngsuk Kim, Bo-Hyeong Han, Miao Huang, Zhang Shuhui, Sukwon Kim</i>
		7	C2618 A De-Embedding Method for High-Frequency Impedance Extraction of Surface-Mount Chip Resistors Using HFSS <i>Ching-Tang Chang, Jau-Ji Jou, Kuo-Feng Chen</i>
		8	WA2611 A Dual-Option Machine Learning Framework for Early Prediction of Ventilator-Associated Pneumonia <i>Min-Yu Tsai, Shu-Yen Lin, Mei-Ying Chang, Ya-Ting Chen, and Mei-Yun Chang</i>
		9	SK2612 Improved Design and Performance Analysis of the Modulation Ring in a Coaxial Magnetic Gear Mechanism <i>Yi-Chang Wu, Feng-Ming Ou, Yi Huang</i>
		10	F2613 A Time-Series Model-Based Framework for Electric Vehicle Battery Health Prediction and Smart Charging Recommendation <i>Hong-Yan Xie, Tsun-Ju Hsueh, Guan-Hong Chen, Yung-Hoh Sheu</i>

November 01
Day 2

Session A4 | Room A

Date	Time	F. Computer & Information Engineering ; N. Intelligent Computing ; SC. Applications in Machine Learning and Smart Automation ; WB. BIOMECHANICS <i>Session Chair: Cheng-Hsiu Li</i>
01 Nov. (Sun.)	08:00 08:15	F2619 STLogic: Spatially-Aware Temporal Logical Rule for Explainable Forecasting on Battlefield Spatio-Temporal Knowledge Graphs <i>Yewon Kim, Kwangil Lee</i>
	08:15 08:30	F2620 CITA-Net: A Constraint-Aware Identity-Trajectory Alignment Network for Spatio-Temporal Knowledge Graph Entity Alignment <i>Yunseo Lee, Kwangil Lee</i>
	08:30 08:45	F2621 TrajEA: Trajectory-Aware Entity Alignment for Spatio-Temporal Knowledge Graphs <i>Gyuri Kim, Kwangil Lee</i>
	08:45 09:00	
	09:00 09:15	SC2612 Design and Implementation of an AIoT Event-Driven Dynamic Decision Platform for Smart Parking Management <i>Chin-Ang Li, Wei-Chih Hsu</i>
	09:15 09:30	N2611 A Dual-Validation Multimodal Edge Computing Framework for Early Fire Warning in High-Rack Warehouses <i>Yen-Chiu Chen, Chien-Lung Li, Wei-De Chen, Kun-Ming Yu, Wen-Feng Chiu, Ying-Yueh Chen, Ming-Yuan Lei, Peng-Chih Wang</i>
	09:30 09:45	F2611 Development of a Non-Wearable Key Running Pose Detection System with an Error Range Exclusion Algorithm for Noise Filtering <i>Cheng-Hsiu Li</i>
	09:45 10:00	WB2616 Multimodal Assessment of Postural Control in Assisted and Unassisted Handstands <i>Weiping Feng, Youngsuk Kim, Daewon Kim, Mengchao Guo, Sukwon Kim</i>

Session A5 | Room A

Date	Time	G. Green Technology & Civil Engineering ; SJ. Applied Technology and Education <i>Session Chair: Seung Oh Lee</i>
01 Nov. (Sun.)	10:15 10:30	G2613 Evaluation of Sediment Control Effectiveness of a Rectangular Sump in Deep Stormwater Drainage Tunnel Using OpenFOAM <i>Yoon-Seo Lee, Chan-Jin Jeong, Seung-Oh Lee</i>
	10:30 10:45	G2614 Numerical Study on Scar Scour around Offshore Wind Monopiles under Irregular Waves Conditions <i>Sung-Jo Kim, Chan-Jin Jeong, Seung-Oh Lee</i>
	10:45 11:00	G2618 Hydraulic Choking and Flow Transition in a Partially Filled Circular Pipe Bend under Unsteady Inflow Conditions <i>Jun-Young Kim, Su-Min Song, Seung-Oh Lee</i>
	11:00 11:15	G2615 Scenario-Based Derivation of Resilience-Damage Curves and Golden Time Identification for Urban Flood Response <i>Su-Min Song, Jun Young Kim, Seung-Oh Lee</i>
	11:15 11:30	SJ2611 Effects of FDM 3D Printing Process Parameters on the Dimensional Accuracy of Multi-Feature Specimens <i>Dyi-Cheng Chen, Chia-Hao Chen</i>
	11:30 11:45	SJ2612 Feature Analysis and Fault Identification of Bearing Vibration Signals Using the CWRU Bearing Fault Dataset <i>Dyi-Cheng Chen, Hsin-Yun Lin</i>
	11:45 12:00	

Date	Time	O. Other Engineering and Technology related topics ; SL. Advances in Computer Material and Related Application <i>Session Chair: Shih-Chen Shi</i>
01 Nov. (Sun.)	10:15 10:30	O2615 A Robust Goal Programming Framework with Adaptive Prioritization for Multi-Objective Post-Disaster Critical Infrastructure Recovery <i>Nimet Karabacak</i>
	10:30 10:45	SL2611 Highly Conductive Flexible Composite Material Sensors for Wearable Computing and Health Monitoring <i>Yu-Hsiang Chang, Guan-Yu Chen, Shih-Chen Shi</i>
	10:45 11:00	
	11:00 11:15	
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	11:30 11:45	
	11:45 12:00	

Poster D4 | Onsite Poster | Foyer

Date	Time	No.	Session Chair: Tz-Yun Chen
01 Nov. (Sun.)	08:00 10:00	1	SC2615 The Development of a Home Medication Assistance System Based on YOLOv8 Object Recognition and Network Intelligence <i>Jeng-Han Li, Ching-Ni Yang, Yu-Cheng Hsieh, Chung-Chi Huang</i>
		2	SC2616 From Self-Directed Learning to Digital Health Management: Understanding Older Adults' Learning Agency and Health Behaviors <i>Hsiao-Man Liu, Chung-Chi Huang, Chung-Lin Huang</i>
		3	SC2617 Smart Prescriptive Maintenance via Physics-Informed Multimodal Edge Intelligent Agents <i>Chung-Chi Huang, Chung-Lin Huang, Yu-Ting Cheng</i>
		4	SC2618 Physics-Informed Neural Operator and Smart Twin for Multi-Coil Energy Optimization in Semiconductor MAU Systems <i>Chung-Chi Huang, Chung-Lin Huang, Wei-Hsiung Ping</i>
		5	G2619 In-Situ Performance and Thermal Behavior of Modified Asphalt Mixtures Incorporating Basic Oxygen Furnace Slag Aggregates <i>Long-Sheng Huang, Ji-Zeng Zhen</i>
		6	G2620 Using Value Engineering Evaluating the Performance and Manufacturing Carbon Emissions of Warm-Mix Technology Applied to Basic Oxygen Furnace Slag Asphalt Mixtures <i>Long-Sheng Huang, Ji-Zeng Zhen</i>
		7	J2615 Development of a Rowing Machine with Energy Harvesting for Exercise Data Monitoring <i>Wen-Hsiang Hsieh, Chao-Hsuan Hsiao, Han-Wei Chiu, Hounq Pin Chien, Weijie Lai</i>
		8	B2612 Vision-Based Feedback Control of an Electromagnet-Driven Tensegrity-Based Vibratory Platform <i>Wen-Hsiang Hsieh, Yi-Peng Fu, Yu Ou</i>
		9	WB2618 Spike Jump Height Is a Method-Dependent Performance Indicator in Volleyball <i>Zihao Zhao, Shuai Wang, Weiping Feng, Daewon Kim, Youngsuk Kim, Sukwon Kim</i>
		10	WB2613 Ball Contact Alters Early Landing Knee Biomechanics During Soccer Aerial Heading Contests <i>Xilong Wu, Youngsuk Kim, Mengchao Guo, Daewon Kim, Sukwon Kim</i>

Poster D5 | Onsite Poster | Foyer

Date	Time	No.	Session Chair: Tz-Yun Chen
01 Nov. (Sun.)	10:15 12:00	1	J2611 Investigation of a Lithium-Ion Battery Thermal Management System Incorporating Different Phase Change Materials with Wavy Microchannel Liquid Cooling Plate <i>Jian-Sheng Huang, Hsu-Teng Yang, Xiang-Wei Wang</i>
		2	F2617 Explainable Temporal Conflict Resolution for Temporal Knowledge Graph Merging via Temporal Fact Verification <i>Ji Ho An, Gyuri Kim, Kwangil Lee</i>
		3	F2618 Ontology Matching-Based Integration of Heterogeneous Robot Battlefield Ontologies <i>Tae Joon Han, Yunseo Lee, Kwangil Lee</i>
		4	SC2613 Assumption-Aware Federated Learning for Telepresence with Spectral Risk Certificates and Error Feedback <i>Chia-Hung Kao</i>
		5	SG2611 Embodied AI: A Continuous Task Scheduling and Global Home Service Robot System <i>Ching-Chang Wong, Hsuan-Ming Feng, Shih-An Li</i>
		6	SG2613 An Adaptive Multi-Scale Network with Geometric Awareness for Segmenting Marine Debris Instances along Coastlines <i>Hua-Ching Chen, Ching-Ho Hung, Hsuan-Ming Feng</i>
		7	SD2611 Design a Rapid Image Quality Assessment Strategy Suitable for Commercial Fingerprint Sensors <i>Yi-Pin Hsu, Yi-Ning Chou, Chuan-Yen Hsiao</i>
		8	TB2611 Recycling Algae in Nature Water Body by Electrochemical Technology for Bioethanol Production <i>Chih-Chi Yang, Shou-Te Chen and Yung-Pin Tsai</i>
		9	G2616 Strength Development and Chloride Penetration Resistance of Low-Carbon Concrete Incorporating High-Volume Pozzolanic Materials <i>Chi-Che Hung, You-Lun Lin, Wei-Ting Lin, An Cheng</i>
		10	G2617 Evaluation of the Thermal Cycling Resistance of Steel Fiber-Reinforced UHPC for High-Integrity Containers <i>Chi-Che Hung, Cong-Zhang Tong, Shih-Cin Yu</i>

Date	Time	No.	
01 Nov. (Sun.)	10:15 12:00	1	C2611 Fabrication of Skin-Conformable Wearable Physiological Sensors Using UV Release Tape and Deep Learning Based Signal Analysis <i>Sangmin Lee</i>
		2	C2612 A Cascaded H-Bridge Stimulator Circuit for Improved Localization of Neural Stimulation Using Pulse Count Modulation <i>Seungju Han, Sangmin Lee</i>
		3	E2611 A Multimodal Approach to Sleep Bruxism Detection Using EMG and IMU <i>Seo-Hyeon Kim, Min-Jae Kim, Mun-Ho Ryu</i>
		4	SH2611 Gait-Signature Drift Detection from mmWave Radar Point Clouds: A Personalized Early-Warning Biomarker for Mobility Health <i>Yen-Ming J. Chen, Kwang-Sheng Huang, Wen-Hsien Ho</i>
		5	WF2611 Gender Difference in the Nonlinear Modelling of Cerebral Autoregulation for Patients with Postural Tachycardia Syndrome <i>Shyan-Lung Lin, Shouu-Jeng Yeh, Chia-Ju Shen</i>
		6	E2612 Detection of Scabies Regions via Deep Learning-Based Skin Image Patch Analysis <i>Mun-Ho Ryu, Gwang-Il Kim, Kijae Sung, Jin Park</i>
		7	SH2612 Research on Lung Adenocarcinoma in CT Images Using a YOLO-Based Framework and Uniform Experimental Design <i>Yao-Mei Chen, Hong-Shen Lin, Wei-Tai Huang, Jinn-Tsong Tsai, Wen-Hsien Ho</i>
		8	SF2618 A Multimodal AIoT and Vision-Language Model (VLM) Agent-Based Framework for Environmental Hazard Perception and Tiered Early Warning in Aging-in-Place Home Healthcare <i>Fu-Sheng Cheng, Long-Chen Hung, Kuan-Chen Hsu, Li-Man Lin</i>
		9	SF2611 Depth-Scheduled Root-Polynomial Skip Connections with Knowledge Distillation for Resource-Constrained Colorimetric Characterization <i>Long-Chen Hung, Po-Tong Wang, Yu-Chun Wang</i>
		10	SF2617 Conventional Appearance Scales as Measurands: Device-Independent Coordinates and an Uncertainty-Scaled Departure Indicator for Roast Color <i>Long-Chen Hung, Po-Tong Wang</i>

Date	Time	No.	
01 Nov. (Sun.)	10:15 12:00	11	YD2611 Investigation of the Formation Mechanism of Natural Casein Adhesive and the Effects of Formulation on Adhesive Properties <i>Shao-Hsi Fan, Sheng-Bang Chang, Yu-Cheng Fan</i>
		12	TC2611 AI-Assisted Low-Carbon Interior Design Process and Application Based on Material Carbon Footprints <i>Jung-Hsuan Chan</i>
		13	WB2611 Effects of Changes in Side-Step Cutting Angle on Lower-Extremity Loading in Adult Male Soccer Participants Under Anticipated and Unanticipated Conditions <i>Bin Zhu, Youngsuk Kim, Dae-Won Kim, Mengchao Guo, Sukwon Kim</i>
		14	SC2619 Prediction and Experimental Validation of Cutting Forces in Stainless Steel Side Milling <i>Ming-Hsu Tsai, Jeng-Nan Lee, Teng-Hui Chen, Tai-Lin Hsu, Yu-Cheng Chang</i>
		15	SC2614 Geometric Optimization and Performance Evaluation of Unequal Pitch and Unequal Helix End Mills for Machining Difficult-to-Cut Materials <i>Teng-Hui Chen, Jeng-Nan Lee, Ming-Hsu Tsai, Zhi-Hong Wang</i>