

July 03
Day 1

Date	Time	G. Green Technology & Civil Engineering ; M. Innovation Management ; SCC. Sustainable City, Architecture, Interior Design and Science <i>Session Chair: Name ; Name</i>
03 rd July (Thu.)	08:30 08:45	CM2512 Antecedents of Generative Artificial Intelligence Adoption <i>Yu-Hui Fang, Chia-Ying Li</i>
	08:45 09:00	CM2513 Exploring Customers' Subscription Behavior Toward Virtual Private Network Services <i>Chia-Ying Li, Stephanie Fang Chen</i>
	09:00 09:15	SCC2511 Development and Application of BIM-Based Building Circularity Assessment Tool <i>Shang-Yuan Chen, Kuo-Hsun Cheng</i>
	09:15 09:30	SCC2512 Reconstructing Living Places from Heterogeneous Environments: Taking the Post-War Transformation of Japanese Colonial Military Official Residences in Zuoying, Taiwan as an Example <i>Yi-Hsuan Lien, Jung-Jen Tsai</i>
	09:30 09:45	SCC2513 Gender Meaning in the Decorations of Traditional Hakka Houses in Taiwan: Taking the Fo Fong in Meinong as an Example <i>Yun-Chiao Lee, Jung-Jen Tsai</i>
	09:45 10:00	CG2514 Investigation of the Kevlar Fiber Reinforced Concrete High-Strain Rate Loading <i>Yeou-Fong Li, Yan-Ru Huang, Jin-Yuan Syu, Ying-Kuan Tsai</i>

Session A2 | Onsite Oral | Lilac I 4F

Date	Time	C. Electrical & Electronic Engineering <i>Session Chair: Name ; Name</i>
03 rd July (Thu.)	10:30 10:45	CC2511 Enlargement of Memory Window and Reduction of Reset Voltage of BaTiO₃ Bipolar Resistive Memory Using an AlO_x Interfacial Layer <i>Wen-Ling Shen, Wun-Ciang Jhang, Chih-Chieh Hsu</i>
	10:45 11:00	CC2512 High Switching-Speed Solution-Processed Strontium Zirconate Resistive Memory <i>Yun-Qiao Rao, Wun-Ciang Jhang, Chih-Chieh Hsu</i>
	11:00~ 11:15	CC2513 Fabrication of Zinc Tin Oxide (ZTO)-Based Resistive Random-Access Memory (RRAM) with Neuromorphic Characteristics <i>Pin-Ruei Liao, Chih-Chieh Hsu</i>
	11:15 11:30	CC2515 Simplified Calibration for Ultrasonic Sensors Using Arduino UNO on CAN System <i>Ching-Hsu Chan, Fuh-Liang Wen, Sheng-Jen Wen</i>
	11:30 11:45	CC2517 Chip Design of OBB Algorithm for Robotic Arm Collision Detection <i>Yuan-Sun Chu, Bo-Lin Wu, Yen-Ting Chiang, Da-Wei Lo, Qian-You Li</i>
	11:45 12:00	

Date	Time	A. Materials Engineering ; CA. Best Paper Awards ; CE. Advances in High Entropy Materials ; CK. Advances in Computational Material and Related Application <i>Session Chair: Name ; Name</i>
03 rd July (Thu.)	08:30 08:45	CA2513 Analysis of the Influence of Tensile Test-Based Mechanical Property Corrections from Different Servo Strain Paths on Cylindrical Cup Forming Simulation <i>Tsung-Chia Chen, Hsiang-En Wu</i>
	08:45 09:00	SCA2520 Using Inertial Measurement Unit with LSTM Model for Lower Limb Rehabilitation System <i>Tsung-Chia Chen, Hsiang-En Wu</i>
	09:00 09:15	SCE2511 Effect of Boron Doping and Heat Treatment on Mechanical Properties of CoCrNiAlTi Quinary Medium-Entropy Alloy <i>Po-Sung Chen, Huai-Te Wu, Li-In Wang, Jason Shian-Ching Jang</i>
	09:15 09:30	SCE2512 Enhanced Mechanical Properties Synergy of Ti65Zr7 Medium Entropy Alloy by Minor Boron Addition and Thermo-Mechanical Treatment <i>Po-Sung Chen, Po-Yu Chen, Li-In Wang, Jason Shian-Ching Jang, Chih-Yen Chen</i>
	09:30 09:45	SCE2513 Effect of Nb Content on the Oxidation of NbTiAlCrSi Light-Weight Refractory High-Entropy Alloys <i>Wu Kai, Mei-Hua Kung, Wei-Lin Chen, Rong-Tan Huang, Kuan-Che Lan, Wei-Bing Wang, Ji-Jung Kai</i>
	09:45 10:00	SCK2516 Investigation of Shear Stress Calculation Method in Plate Elements Based on Higher-Order Refined Zigzag Theory <i>Pei-Yu Wang, Chung-De Chen</i>

Date	Time	CB. Advances in Vehicles and Railway Vehicle System <i>Session Chair: Name ; Name</i>
03 rd July (Thu.)	10:30 10:45	SCB2512 Preliminary Simulation of Real Driving Emission for Heavy-Duty Diesel Vehicles <i>Yaojung Shiao, Cheng-Lin Yu</i>
	10:45 11:00	SCB2514 Energy Management Optimization for Plug-in Hybrid Electric Vehicle <i>Jia-Shiun Chen, Jhong-Yi Lee, Che-Wei Chang, Hsiu-Ying Hwang</i>
	11:00 11:15	SCB2516 AI Smart Camera System <i>Hsiu-Ying Hwang, Fu-Hsiang Huang</i>
	11:15 11:30	SCB2517 Mobile Library <i>Hsiu-Ying Hwang, Chung-Hsun Tsai, Kuan-I Wu, Ting-Chi Liu</i>
	11:30 11:45	SCB2518 Vibration and Noise Analysis and Improvement for an Air Conditioning Rotary Compressor <i>Hsiu-Ying Hwang, Chung-Hsun Tsai, Kuan-I Wu</i>
	11:45 12:00	

Paper Award A3 | Lavender I 3F

Date	Time	
03 rd July (Thu.)	13:00 13:15	SCA2513 Exploring the Impact of Sustainable Value and Economic Value on the Use Intention of Public Transportation: A New Public Transportation Monthly Pass (TPASS) <i>Chun-Hua Hsiao, Cheng Ping Chen, Hui-Chun Yang, Kai-Yu Tang</i>
	13:15 13:30	SCA2523 Improving Cardiac CT Scan Segmentation with U-Net Model and Continual Learning Techniques <i>Wanida Khamprapai, Wassaphas Thongsopa, Chayanon Deejaiwong, Jirawan Charoensuk, Seksan Mathulapransan, Chalothon Chootong</i>
	13:30 13:45	SCA2524 Enhancing Container Number Recognition Accuracy Through Multi-Model OCR Comparison <i>Anakorn Roumpattana, Chalothon Chootong, Boonchoo Jitnupong, Sarut Serarom, Jirawan Charoensuk</i>
	13:45 14:00	SCA2525 AI-Driven Tourist Trip Planning: A Proof-of-Concept Implementation with Map Metaphor Visualization for Thailand Tourism <i>Chatchai Kasemtaweechok, Chalotorn Chootong, Jirawan Charoensuk, Thittirat Pimpaporn, Boonchoo Jitnupong</i>
	14:00 14:15	SCA2527 TNvR Ear Tag Recognition Intelligent Management and Monitoring System <i>Zhi-Yu Wang, Bo-Kai Yang, Chi-Jen Chen, Chi-Wen Chen, Mu-Jie Hsu, Yung-Hoh Sheu</i>
	14:15 14:30	SCA2529 Power Generation Evaluation of Reverse Electrodialysis (RED) – Optimization Based on Concentration, Space Velocity, Cell Pair, and Flow Channel Thickness <i>Po-Hsun Lin, Cheng-Huan Tsai, Ching-Lung Chen, Chi-Chen Lin</i>

Paper Award A3 | Lavender I 3F (Continued)

Date	Time	
03 rd July (Thu.)	14:30 14:45	SCA2530 Floating Waste Detection and Classification on Water Surface Using YOLO Algorithms <i>Boonchoo Jitnupong, Jirawan Charoensuk, Supaporn Bundasak, Supakrit Somritjinda, Nonpawit Silabumrungrad, Jaruwan Suraseing</i>
	14:45 15:00	SCA2538 Development of a VR-Based Functional Rehabilitation Training Device for the Hand <i>Shu-Yao Jin, Akihiro Morinaga, Hiroshi Uchihori, Toshio Higashi, Ikuo Yamamoto</i>
	15:00 15:15	SCA2540 Smart Monitoring of Seismic Intensity in Real Time: A SIL-Based Approach Using Embedded Acceleration Sensor and Custom Signal Processing <i>Misaki Sakai, Buntara Sthenly Gan</i>
	15:15 15:30	SCA2536 Measurement, Conversion, and Enhancement of Thermal Transmittance (U-Value) in Window Openings of Tropical Building Envelopes <i>Chih-Hong Huang, Jyan-Ywan Dyau</i>
	15:30 15:45	SCA2537 Design and Implementation of a Specific Knowledge Retrieval System Based on Self-Attention Mechanism - A Case of Intelligent Goat Raising <i>Hsu-Yang Kung, Jian-Liang Pan, Chung-Yu Shih, Ren-Hung Hwang</i>

Date	Time	No.	
03rd July (Thu.)	08:30 10:00	1	CE2511 A Respiratory Motion Compensation System Driven by Ultrasound Imaging with Deep Learning Approach for Radiation Therapy <i>Ai-Ho Liao, Yu-Chen Chen, Anoop Gopinathan Pillai, Ho-Chiao Chuang</i>
		2	CE2512 Design and Control of Mixed Methane-Ammonia Solid Oxide Fuel Cell Systems <i>Jyh-Cheng Jeng, Yi-Ting Chen</i>
		3	CE2514 Bioengineered Tumor Organoids Model as a Preclinical Platform for Drug Screening and Screening <i>Yu-Hsiang Tang, Jun-Sheng Wang, Chun-Chiang Huang, Tsung-Tao Huang, Ming-Hua Shiao, Kuo-Cheng Huang</i>
		4	CI2511 Intelligent Simultaneous Localization and Mapping with Optimal Scan Matching for Nonholonomic Mobile Robots <i>Hsu-Chih Huang, You-Ming Lee</i>
		5	CJ2511 Development of Precision Platform Technology Integrated with an Optical Inspection Module <i>Hsueh-Liang Huang, Kuan-Chen Lin</i>
		6	CJ2522 Effect of Injection Screw Geometric Design on the Plasticization of Recycled Resins <i>Ming-Shyan Huang, Yu-Jhih Wu</i>
		7	CN2512 Privacy-Preserving Fall Detection with Position Encoding and Local Attention Transformer on mmWave Radar Signal <i>Jyun-Guo Wang, Jing-Ying Chiang, Happy Erysia Damei, Wei-Shan Kuei</i>
		8	CN2513 Spectral Resolution Effects on Deep Neural Network-Based Sea Ice Detection in Liaodong Bay Using GOCI-II <i>Kwangseok Kim, Min-Kyu Kim, Young-Je Park, Hyun Yang, Hyeong-Tak Lee, Hee-Jeong Han, Suk Yoon, Jeong-Eon Moon</i>
		9	CN2515 Hierarchical Behavior Learning Using Deep-Q Network <i>Yu-Jen Chen, Wei-Cheng Jiang</i>
		10	SCB2511 Enhancement of Learning Effect for Performance-Lagged Students in Computer Programming <i>Meiling Jow, Yaojung Shiao</i>

Poster C1 | Onsite Poster | Foyer 4F (Continued)

Date	Time	No.	
03 rd July (Thu.)	08:30 10:00	11	SCB2513 Application of Taguchi Experiment in the Analysis of Vehicle Dynamic and Fatigue Characteristics by Taguchi Method <i>Yung-Chuan Chen, Li-Wen Chen, Wei-Hua Lu, Hsing-Hui Huang, Pei-Hong Guo</i>
		12	CK2511 Zinc Oxide Nanoparticles Composed with Graphene Oxide and PVA Polymer for Infrared Radiation Shielding <i>Yi Hu, Pin-Syuan Chen, Marta Mazurkiewicz-Pawlicka, Artur Malolepszy</i>
		13	CH2512 On a Novel Electromagnetically Driven Tensegrity-Based Vibratory Platform <i>Wen-Hsiang Hsieh, Chen-Ji Pan</i>

Date	Time	No.	
03rd July (Thu.)	10:30 12:00	1	CJ2518 The Hybrid 3D-Printed Tunable Strain Gauge Factors Conductive Substrate for Grip Force Analysis in Hand Movement Monitoring <i>Zhao-Chi Chen, Yu-Jen Liou</i>
		2	CA2512 Enhanced Electrical Performance and Photodetection of PVA:DNA Composite Dielectrics in Organic Field-Effect Transistors <i>Po-Hsiang Fang, Han-Chun Chang, Shuying Wang, Horng-Long Cheng, Wei-Yang Chou</i>
		3	SCG2512 Design of a Novel Cycloidal Magnetic Gear Mechanism <i>Yi-Chang Wu, Kuan-Chung Chen</i>
		4	CB2511 Deep Reinforcement Learning Integration with Grasp Quality Network for Efficient Grasping of Transparent Syringes in Cluttered Environments <i>Chih-Yung Huang, Ying-Chung Wang</i>
		5	CC2514 UAV Control in Wind Disturbance and Radio Interference Environment <i>Shu-Chun Lin, Jih-Gau Juang</i>
		6	CE2515 Conductive Polymer Coatings with High Biocompatibility and Long-Term Antibacterial Efficacy for Implantable Electronic Medical Devices <i>Ming-Hua Shiao, Yen-Pei Lu, Yu-Hsiang Tang, Jheng-Fong Jhong, Tsung-Tao Huang</i>
		7	CE2516 Design and Fabrication of Novel Flexible Microneedle Arrays for Electromyography <i>Wen-Cheng Kuo, Hao-Hsin Tsai, Jing-Han Lin</i>
		8	CE2517 AI Intelligent Early Warning Physiological Monitor <i>Ming-Hua Shiao, Yen-Pei Lu, Jui-Yuan Yu, Wan-Hsuan Hsu, Yu-Hsiang Tang, Tsung-Tao Huang</i>
		9	CE2518 Laser-Induced Graphene-Based Cortisol Biosensor for Sweat Monitoring <i>Yi-Zhi Zhang, Shu-Yan Li, Shih-Hao Huang</i>
		10	CE2519 Design and Development of an Innovative Perturbation-Based Balance Training System <i>Chun-Ting Li, Yen-Nien Chen</i>

Poster C2 | Onsite Poster | Foyer 4F (Continued)

Date	Time	No.	
03 rd July (Thu.)	10:30 12:00	11	CJ2512 Effect of Different Mechanical Designs of Auxetic Structure on Recoil: Computer Simulation and Additive Manufacturing Verification <i>Chi-Pin Hsu, Chih-Feng Lin, Po-Kai Chuang, Jeng-Ywan Jeng, Chang-Hung Huang</i>
		12	CF2513 Natural Light LED Realizing High Color Rendering by Reflecting the Spectral Ratio of Natural Light <i>Seung-Taek Oh, Ji-Young Lee, Se-Hyun Lee, Jae-Hyun Lim</i>
		13	SCA2519 An Improvement of Mobile RFID Authentication Protocol Based on Parity Check Patching Operation <i>Chia-Chun Wu, Hung-Wei Yang, Nan-I Wu, Min-Shiang Hwang</i>

July 04
Day 2

Session A4 | Onsite Oral | Lilac I 4F

Date	Time	A. Materials Engineering ; CC. Sustainable City, Architecture, Interior Design and Science ; CE. Advances in High Entropy Materials <i>Session Chair: Name ; Name</i>
04th July (Fri.)	08:30 08:45	CA2511 Study on Triplet Exciton Diffusion for High Efficiency OLED <i>Tien-Lung Chiu, Jiun-Haw Lee</i>
	08:45 09:00	SCC2514 Study on the Efficiency of Formaldehyde Decomposition by Nitrogen-Doped Graphene Quantum Dots in Interior Coating Paints <i>Tzu-Hsien Yu, Yu-Sen Lin</i>
	09:00 09:15	SCE2514 Impact of Entry Length of Nozzle on Particle Injection in Micro Shot Peening: A CFD-DEM Coupled Simulation Approach <i>Shang-You Zhan, Hsieh-Chi-Chang, Meng-Hsiu Tsai</i>
	09:15 09:30	SCE2515 Porous Tantalum Coatings via Atmospheric Plasma Spraying: Microstructure, Mechanical Properties and Biocompatibility <i>Chi-Chin Chang, Ho-Chung Fu, Meng-Hsiu Tsai</i>
	09:30 09:45	SCE2516 Study on the Effect of Laser Additive Manufacturing Scanning Strategies on Crack Behavior in AlCoCrNiNb High-Entropy Alloy <i>Huan-Yu Chang, Ho-Chung Fu, Meng-Hsiu Tsai</i>
	09:45 10:00	SCE2517 Low-Temperature Pyrolysis for WPCB Recycling for Bromine Removal and Adsorption <i>Hao-Ping Wang, Meng-Hsiu Tsai</i>

Session A5 | Onsite Oral | Lilac I 4F

Date	Time	G. Green Technology & Civil Engineering ; J. Mechanical Engineering ; O. Other Engineering and Technology related topics ; CG. Recent Innovations in Sensors <i>Session Chair: Name ; Name</i>
04th July (Fri.)	10:30 10:45	CG2511 The Seakeeping Performance of the TaidaFloat Semi-Submersible Floating Offshore Wind Platform in Regular Wave Conditions <i>Jing-Fa Tsai, Fu-Cheng Su, Po-Sung Lin</i>
	10:45 11:00	CJ2513 Estimation of Earthquake Intensity by Using Random Forest Models <i>Yi-Mei Huang, Hua-Yuan Li</i>
	11:00 11:15	CJ2516 Modelling for PCB Warpage Simulation <i>Ming-Hsiao Lee, Jiunn-Horng Lee, Chih-Min Yao, Jen-Gaw Lee</i>
	11:15 11:30	CJ2519 Developing a Self-Compensation Algorithm in a Hybrid Approach to the Diagnosis of Jeffcott Rotor's Imbalance and Shaft-Bow <i>Shyh-Chin Huang, Thanh Trung Pham</i>
	11:30 11:45	CO2511 Managing Dual Sourcing with Remanufacturing <i>Chung-Chi Hsieh, Nur Layli Rachmawati</i>
	11:45 12:00	SCG2511 Preliminary Study of a Tourbillon-Based Frequency Regulation Mechanism for Piezoelectric Energy Harvesting <i>Feng-Ming Ou, Li-Heng Chang</i>

Session B4 | Onsite Oral | Lilac II 4F

Date	Time	F. Computer & Information Engineering ; N. Intelligent Computing ; CF. Innovations on Advanced Materials, Computer and Information System, Artificial Intelligence (for SI in Computers, Materials & Continua) <i>Session Chair: Name ; Name</i>
04th July (Fri.)	08:30 08:45	CF2514 A Multimodal Transformer-Diffusion Framework for Cranioplasty to Generate Cranial Point Cloud Data and Diagnostic Text <i>Chien-Yi Yeh, Yen-Ching Chang</i>
	08:45 09:00	CF2518 Development and Design of an AR IOT-Based Intelligent Dialogue Interaction Transparent Display Device for Marine Ecological Conservation Learning System: An Exploration of Technology Acceptance Model <i>Yi-Lung Lin, Chia-Ling Chang</i>
	09:00 09:15	CF2524 Comparative Analysis of Japanese Speech: Employing Dynamic Time Warping and Precise Word Segmentation for Pronunciation Assessment <i>Supaporn Bundasak, Kollathee Wisawayotanan, Chen Chien-Chang</i>
	09:15 09:30	CF2527 Dietary Supplement Products Registration Verification Application Using Thai FDA Number Images with Generative AI <i>Arnon Phongrusamepane, Nattapat Thongkaew, Teetach Chuenkamonrat, Chalothon Chootong, Chatchai Kasemtaweechok</i>
	09:30 09:45	CN2514 Speech Recognition and Intent Detection for Eldercare Robots: A Whisper and BERT-Based Approach <i>Chih-Hsiang Chang, Yu-Ting Chen, Chian-Song Chiu</i>
	09:45 10:00	SCF2512 AI-Driven Automated Mining and Analysis of Communication Packet Exchange Characteristics <i>Shao-Chien Lin, Tse-Chuan Hsu</i>

Date	Time	F. Computer & Information Engineering ; CA. Best Paper Awards ; CC. Sustainable City, Architecture, Interior Design and Science ; CF. Innovations on Advanced Materials, Computer and Information System, Artificial Intelligence (for SI in Computers, Materials & Continua) <i>Session Chair: Name ; Name</i>
04th July (Fri.)	10:30 10:45	CF2515 Enhancing the Image-Text Alignment and Generating Reports Based on the GroupViT Model <i>Wen-Ting Cheng, Yen-Ching Chang</i>
	10:45 11:00	CF2516 A Medical Image Segmentation Method Based on Vision Transformer and Multi-Stage Self-Supervised Learning <i>Yu-Cheng Li, Yen-Ching Chang</i>
	11:00 11:15	CF2522 Two-Stage Prompt Engineering for Graphical Abstract Interpretation Using Multimodal Large Language Models: An Evaluation of Adaptability and Performance <i>Chia-Ling Chang, Yi-Lung Lin</i>
	11:15 11:30	SCA2516 Application of Large Language Models in Wind Turbine Alarm Analysis <i>Jui-Hung Liu, Chun-Chieh Wang</i>
	11:30 11:45	SCC2515 The Impact of Screen Brightness and Size on Human Visual and Non-Visual Health in VDT Micro-Space Luminous Environments <i>Tzuhan Chou, Yu-Sen Lin</i>
	11:45 12:00	SCF2511 A Multimodal Deep Learning Framework for Emotion Recognition: Integrating Facial Expressions and Body Motion <i>Ting-Hong Wang, Yi-Hung Liu, Sheng-Fong Chen</i>

Poster C4 | Onsite Poster | Foyer 4F

Date	Time	No.	
04 th July (Fri.)	08:30 10:00	1	CF2511 Development and Application of A PINNs Platform Using Nvidia Modulus <i>Wen-Yi Chang, Ying-Hao Lin, Chia-Chin Chen, Wei-Sheng Chen</i>
		2	CF2519 Identifying the Transcription Start Sites on Cis-Regulatory Modules Based on Deep Learning <i>Zhe-Yu Wu, Tzu-Hsien Yang</i>
		3	SCF2513 Using Image Recognition for Saw Belt Broken Tooth and Crumbs Recognition <i>Yen-Heng Lin, Chih-Hung Chang</i>
		4	SCH2511 An Improved YOLOv8 Method for Detection of Urban Appearance Violations <i>Songlin Wei, Hua-Ching Chen, Hsuan-Ming Feng</i>
		5	SCH2512 An Optimized YOLOv8n Method for Object Detection in Maritime Search and Rescue Using UAVs <i>Songlin Wei, Hua-Ching Chen, Hsuan-Ming Feng</i>
		6	SCH2513 Dual Improvements in YOLO11 Model for Underwater Fish Detection and Recognition Applications <i>Hua-Ching Chen, Hsuan-Ming Feng</i>
		7	SCK2515 Encapsulating Void Risk Assessment of System-in-Package <i>Ian Hu, Chun-Che Wang, Jia-Hao Chang, Wei-Zhong Zeng, Keng-Chia Chen, Yen-Po Wu, Bing-Yuan Huang, Dao-Long Chen</i>
		8	SCK2517 Mechanical Properties and Fracture Analysis of Ti-Based Bulk Metallic Glasses Under Various Strain Rates <i>Wen-Nan Wang, Chia-Cheng Hsu, Tao-Hsing Chen</i>
		9	SCK2518 Development of Bipolar Plate-Integrated Flow Frame for Flow Battery Using Ultrasonic Welding <i>Cheng-Hsien Kuo, Shang-Ching Chaung, Jyun-Jhih Liao, Hung-Yu Chen, Yao-Ming Wang</i>
		10	CJ2525 Numerical Study of Passive Solar Chimney Design on Enhanced Natural Ventilation <i>Jian-Sheng Huang, Xiang-Wei Wang, Huei-Chu Weng, Chung-Min Hsieh</i>

Poster C4 | Onsite Poster | Foyer 4F (Continued)

Date	Time	No.	
04 th July (Fri.)	08:30 10:00	11	CF2523 Enhancing Detection of Nighttime Fishing Boat Lights Using VIIRS Satellite Data and Deep Neural Networks <i>Suk Yoon, Kwang-Seok Kim, Hee-Jeong Han, Hyeong-Tak Lee, Hyun Yang</i>
		12	CA2516 Development of a Green Microneedle Patch with Interpenetrating Polymer Network Hydrogel for Improved Skin Penetration <i>Chun Chiang Huang, Jun Sheng Wang, Yu Hsiang Tang, Kuo Cheng Huang, Yu-Shuan Chen, Hsieh-Chih Tsai</i>
		13	CJ2526 Phase Difference Actuation for Part Rotation on Tensegrity-Based Vibratory Platforms <i>Wen-Hsiang Hsieh, Hukamasidhi Yoel</i>

Poster C5 | Onsite Poster | Foyer 4F

Date	Time	No.	
04 th July (Fri.)	10:30 12:00	1	CL2511 The Crystallisation of Zeolite (A-Type) from Liquid Crystal Display Waste Glass and Sandblasting Waste by Alkali Hydrothermal Reaction <i>Kae-Long Lin, Ya-Wen Lin, Yu-Xuan Shi, Wei-Hao Lin, Hao-Han Chien</i>
		2	CL2512 Aristolactam AIIIa Counteracts Cancer Multidrug Resistance by Promoting ROS Accumulation and Cell Cycle Arrest <i>Po-Yu Chien, Yu-Hsuan Lan, Chin-Chuan Hung</i>
		3	CL2514 Establishment of a Novel Automated Microfluidic System for Anaerobic Bacterial Susceptibility Testing <i>Yen-Pei Lu, Kai-Wen Teng, Tsung-Tao Huang, Wen-Bin Lee, Ming-Hua Shiao</i>
		4	CL2515 An Innovation Technology: The Self-Made Optically-Stimulated Luminescence Dosimeters and Reading System for the Eye-Lens Radiation Monitoring <i>Pi-Yuan Hsu, Fang-Yuh Hsu</i>
		5	CL2516 Extraction of Natural Compounds from Waste Leafy Vegetables Using Different Methods for the Remediation of Halogenated Organic Contaminants <i>Chi-Wei Wang, Chenju Liang, Yen-Hua Tseng</i>
		6	CL2517 Synthesis of Eco Al-MCM-41 Materials Using Recycled Industrial Waste <i>Ya-Wen Lin, Min-Chang Gu, Kae-Long Lin</i>
		7	CM2511 Beyond Internal Investments: The Critical Role of Partner R&D Capabilities in Value Creation of Strategic Alliance <i>Yi-Hao Huang, Li-Yu Chen</i>
		8	CO2513 A New Method to Identify Indigo-Dyed Fabrics <i>Chao-Tsang Lu, Chin-Mei Lin</i>
		9	SCA2522 Investigation of the Whitening and Antioxidant Properties of Longan Seed Extract <i>Chia-Ling Yu, Hsiao-Han Liu</i>
		10	SCJ2511 Effects of the Cerium Dioxide Coating on Single-Crystalline NCM Cathode Material <i>Hyun-Soo Kim, Seong-Ju Sim, Bong-Soo Jin</i>

Poster C5 | Onsite Poster | Foyer 4F (Continued)

Date	Time	No.	
04 th July (Fri.)	10:30 12:00	11	SCK2511 Optimization of Coercivity and Magnetic Stability in NdFeB Magnets via Multi-Stage Dysprosium Diffusion <i>Chih-Chieh Mo, Heng-Chia Hsu, Ching-Chien Huang</i>
		12	CL2519 Novel ZIF-67-Enhanced FO Membranes for Dyeing Wastewater Recovery: Assessment of Separation Performance and Life Cycle Impact <i>Yi-Li Lin, Nai-Yun Zheng, Xin-Hao Liou</i>
		13	

July 05
Day 3

Date	Time	F. Computer & Information Engineering ; CB. Advances in Vehicles and Railway Vehicle System <i>Session Chair: Name ; Name</i>
05 th July (Sat.)	09:00 09:15	CF2520 Quantum-Enhanced Stock Price Prediction: A Hybrid QLSTM Approach <i>Ari Ernesto Ortiz Castellanos, Chuan-Ming Liu</i>
	09:15 09:30	CF2521 Towards Decentralization: A Verified Federated Learning Framework Embedded with Blockchain <i>Ari Ernesto Ortiz Castellanos, Chuan-Ming Liu</i>
	09:30 09:45	SCB2515 Welding Inspection System <i>Hsiu-Ying Hwang, Mng-Lang Hsu</i>
	09:45 10:00	

Poster C6 | Online Poster | Official Website

Date	Time	No.	
05 th July (Sat.)	09:00 10:00	1	CD2511 Simulation and Analysis of a WDM-PON Protection Network Using a Novel 2×2 Optical Switch <i>Xuan-Hao Huang, Chun-Liang Yang, Szu-Wei Chang, Jau-Ji Jou, Lung-Wei Chung</i>
		2	CE2513 Abdominal Ultrasound Attenuates Inflammatory Bowel Disease and Brain Disorders <i>Zih-Yun Pan, Cong-Yong Gao, Feng-Yi Yang</i>
		3	CF2525 A Blockchain-Based Approach to Ensuring the Integrity and Admissibility of Digital Evidence in Forensic Investigations <i>Rick Lin, Yu-Ting Yen, Iuon-Chang Lin</i>
		4	CH2511 A Study on Information Service Models and Capabilities for Implementing Industry 4.0 <i>Lu-Mei Wang</i>
		5	CJ2517 Design of a Clamping Mechanism Driven by Dual-Cam <i>Long-Chang Hsieh, Tzu-Hsia Chen, Po-Cheng Lai, Jian-Shen Lin, Kai-Hsing Chang, Sheng-Wen Zheng</i>
		6	CJ2524 Design and Implementation of a 4-DOF Modular Robotic Arm with Delay-Based Elbow Control <i>Hareesh Muppavarapu, Fang-Sung Cheng, Nai-Wen Chang</i>
		7	CL2518 Recycling of Spent Copper Indium Gallium Selenide Solar Cells Using Microwave Pyrolysis and Thermal Oxidation <i>Yu-Fong Huang, Pei-Te Chiueh, Shang-Lien Lo</i>
		8	CN2511 Design and Development of an Intelligent Manufacturing System for the FMM Etching Process <i>Wen-Chin Chen, An-Xuan Ngo, Chia-Hsiang Hsieh</i>
		9	CO2512 Dog Excrement Image Generation with LoRA-Based Stable Diffusion <i>Pei-Ying Lin, Chun-Liang Yang, Sheng-Yan Li, Jau-Ji Jou, Lung-Wei Chung</i>
		10	SCK2513 Advanced Measurement Technology for Inverse-Magnetostrictive Effect of Electrical Steel <i>Kai-Fan Lo, Wei-Hao Chang, Shih-Kang Kuo</i>