

Paper Award A1 | Onsite Oral | Le Ciel (West)

Date	Time	
02 nd April (Sun.)	08:00 08:15	CA2311 Preparation and Characterization of the Green Composites Based on Carrot Nanocellulose and Ethylene/Vinyl Acetate Copolymer <i>Yu-Cian Ke, Hong-Hao Chen, Chun-Wei Chang, Yeng-Fong Shih</i>
	08:15 08:30	CA2312 A Study of Grapevine Powder/PLA Green Composites <i>Yeng-Fong Shih, Chien-Chung Huang, Bo-You Chen, Po-Hsiang Wang, Yi-Jing Jiang</i>
	08:30 08:45	CA2313 Preparation and Characterization of Nano Graphite-Containing Phase Change Microcapsules <i>Yeng-Fong Shih, Hong-Hao Chen, Chih-Hao Chang</i>
	08:45 09:00	CA2314 Grapevine Char/Poly (Lactic Acid) Composites: Thermal Analysis and Alkaline Degradation Test <i>Yeng-Fong Shih, Chien-Chung Huang, Chun-Wei Chang, Han-Wei Hsiao, Pin-Hui Lai</i>
	09:00 09:15	CF2320 Estimating Classification Accuracy for Unlabeled Datasets Based on Block Scaling <i>Shingchern D. You, Kai-Rong Lin, Chien-Hung Liu</i>
	09:15 09:30	CJ2310 A Gearbox Defect Analysis System Base on the Multi-Output Temporal Convolutional Network <i>Yi-Hua Fan, Liao-Yong Lou, Rui-Hung Zheng, Tzu-Wei Wu, Zih-Hong Lin, Yi-Fang Chen, Ping Fan</i>
	09:30 09:45	CK2310 Optimized Nanoparticles and Scaffolds with Controlled Topography and Crosslinked Activin A/BMP4 to Generate Pancreatic Cells <i>Yung-Chih Kuo, Sheng-Yuan Lin, Sourav De</i>
	09:45 10:00	CN2320 A Multi-Model Deep Neural Network Hashtag Recommendation for Instagram <i>Chia-Shan Chang, Hsien-Tsung Chang</i>

Paper Award A2 | Onsite / Online Oral | Le Ciel (West)

Date	Time	
02 nd April (Sun.)	10:15 10:30	SCA2312 Building an Edge Computing-Based Environmental Control and Preventive Facility Management System <i>Shang-Yuan Chen, Xian-Tang Wang, Guan-Qun Shi, Zhi-Kai Zhuang, Fan-Gji Wu</i>
	10:30 10:45	CL2310 *Online Six-Diversify Predictable Frailty Risk Estimate Recovery Sustaincial System for Sub-Health Elders <i>Rong-Jong Wai, Kai-Chih Lin</i>
	10:45 11:00	CC2310 *Online Simulation Results and Practical Measurements of a Flow Battery-Based Energy-Storage System Integrated with a Hybrid Wind/Wave Power-Generation System <i>Li Wang, Shih-Chia Lin, Sheng-Jie Zhang, Hung-Hsien Ku, Chin-Lung Hsieh</i>
	11:00 11:15	CG2319 *Online Smart Streetlight Energy Saving System Based on mmWave Radar <i>Jhieh-Ci Li, Yu-Kai Lin, Kai-Li Wang, Yu-Ping Liao</i>
	11:15 11:30	CD2312 *Online Optical MEMS Pressure Sensor Based on Polarization Insensitive Compound Ring Resonator <i>Hailu Dessalegn Ayalew, Srinivas Talabattula, Pushparaghavn Annamalai</i>

Session B1 | Onsite Oral | Le Ciel (East)

Date	Time	G. Green Technology & Civil Engineering / H. Industry 4.0 & Automation Engineering / J. Mechanical Engineering / K. Nanotechnology <i>Session Chair: Prof. Seung-Oh Lee ; Prof. Jing-Fa Tsai</i>
02nd April (Sun.)	08:00 08:12	CG2311 Possibility of Using a Geopolymer Containing Phase Change Materials as a Sprayed Insulating Coating <i>Michał Łach, Agnieszka Bąk, Kinga Pławecka, Maria Hebdowska-Krupa</i>
	08:12 08:24	CG2313 The Design and Seakeeping Performance of the TaidaFloat Semi-Submersible Floating Offshore Wind Platform for Typhoon Environment <i>Jing-Fa Tsai, Mao-Hsiung Chiang, Po-Sung Lin, Fu-Cheng Su, Kai-Tung Ma</i>
	08:24 08:36	CG2314 Geopolymer Foams as a Green Building Materials for Circular Economy <i>Kinga Korniejenko, Kinga Pławecka, Patrycja Bazan, Beata Figiela, Barbara Kozub, Katarzyna Mróz, Michał Łach</i>
	08:36 08:48	CG2316 Generation of River Flood Map for Small Urban Area Using HEC-RAS 2D with DSM: Anyang Stream <i>Chanjin Jeong, Hyung-Jun Park, Hyung-Ju Yoo, Seung-Oh Lee</i>
	08:48 09:00	CG2318 Development of a Score-Based Evaluation Model to Determine the Suitability of PSHP Construction Using Existing Infrastructure <i>Hyung-Jun Park, Chanjin Jeong, Dong-Hyun Kim, Seung-Oh Lee</i>
	09:00 09:12	CH2314 A Quickly Objective Detection Technology of Augmented Reality Display for Tool Machining Information Applied in Intelligent Manufacturing Process <i>Wei-Fu Kuo, Zhuan Li, Sheng-He Wang</i>
	09:12 09:24	CJ2315 A Facile of 3D Printed Wearable Device with Bionic Tesla Valve Structure for Rapid Sweat Detection <i>Zhao-Chi Chen, Qi-Xuan Wu, Hung-Chih Chen, Tien-Li Chang</i>
	09:24 09:36	CJ2318 Heat Source Estimation for Encapsulated Chips Mounted on a Printed Circuit Board <i>Cheng-Hung Huang, Ya-Rou Zhong</i>
	09:36 09:48	CK2312 Electrodeposited 3-D Ni-W-Zn Micro-Cathodes for Efficient Hydrogen Evolution in an Alkaline Medium <i>Jing-Chie Lin, Chin Huang, Yao-Tien Tseng, I-Yu Tsao, Jason Shian-Ching Jang, Yean-Ren Huang, Shou-Yi Chang</i>
	09:48 10:00	CK2313 Self-Coating of Porous Layered Double Hydroxide on the Ni-Zn Micro-Electrode and Its Catalytic Behavior for Hydrogen Evolution Reaction <i>Yao-Tien Tseng, Chun-Yao Wang, Jing-Chie Lin, Russell Clemente, Yean-Ren Huang, Shou-Yi Chang</i>

Session B2 | Onsite Oral | Le Ciel (East)

Date	Time	<p>A. Materials Engineering / B. Mechatronic and robotics Engineering / C. Electrical & Electronic Engineering / F. Computer & Information Engineering / N. Intelligent Computing</p> <p><i>Session Chair: Prof. Hsien-Tsung Chang ; Prof. Yeong-Tarng Shieh</i></p>
<p>02nd April (Sun.)</p>	<p>10:15 10:27</p>	<p>CA2322 CO₂- and pH-Responsive Dispersions of Carbon Nanotubes in Water <i>Yeong-Tarng Shieh</i></p>
	<p>10:27 10:39</p>	<p>CB2310 Digital Twin and Energy Consumption Modeling of an Industrial Robotic Arm in Windows Environment <i>Jin-Siang Shaw, Yi-Hua Huang</i></p>
	<p>10:39 10:51</p>	<p>CC2312 ESD Tolerance Simulation Analyzed for DDR4 Memory Module <i>Wei-Chu Tsai, Jyh-Liang Wang, Chao-Shun Yang</i></p>
	<p>10:51 11:03</p>	<p>CN2310 An Algorithm of Multi-Subpopulation Parallel Computing Genetic Algorithm for Semiconductor Packaging Scheduling Problem with Auxiliary Resources Constraint <i>Hung-Kai Wang, Yu-Chun Lin, Che-Jung Liang, Ya-Han Wang</i></p>
	<p>11:03 11:15</p>	<p>CN2311 Traditional Chinese Handwriting Characters Recognition and Error Correction with Automatic Generated Dataset <i>Bo-Kai Hsu, Hsien-Tsung Chang</i></p>
	<p>11:15 11:27</p>	<p>CN2315 Criminal Liability for the Robots' Actions and How to Prove It <i>Vladimír Smejkal, Jindřich Kodl</i></p>
	<p>11:27 11:39</p>	<p>CN2316 Empirical Analysis of Data Preprocessing and Reward Shaping for Deep Q Learning in Playing Atari Game <i>Jeremy Winston, Dae-Ki Kang</i></p>
	<p>11:39 11:51</p>	<p>CF2325 Adapting Cross-Domain Recommendation for Solving Cold Start Problem <i>Hei-Chia Wang, Ching-Wen Wang</i></p>
	<p>11:51 12:03</p>	<p>CN2318 Improve Image Generation for Article by Using Key Sentence Extraction <i>Kai-Yuan Chien, Hsien-Tsung Chang</i></p>

Session B3 | Onsite Oral | Le Ciel (East)

Date	Time	L. Environmental, Food, Health Science & Technology / O. Other Engineering and Technology related topics / CH. Recent Innovations in Sustainability <i>Session Chair: Prof. Jian-Chuan Shern ; Prof. Po-Hsun Lin</i>
02nd April (Sun.)	13:30 13:42	CL2311 Characteristics of Humidity Self-Regulating Environmental Protection Porous Materials Prepared from Pulp Paper Sludge Ash and Waste Catalyst <i>Kae-Long Lin, Yu-Hsuan Hang, Ya-Wen Lin, Wei-Hao Lee</i>
	13:42 13:54	CL2313 Comparison of von Karman Vortex Shedding Simulations Using Navier-Stokes Model and Shallow-Water Model <i>Shin-Jye Liang, Shih-Huang Wu, Wei-Ting Chao</i>
	13:54 14:06	CL2314 Enhancing Sensitivity of Electrochemically Detecting Metformin by Reduced Graphene Oxide Supported Copper Nanoparticles (CuxrGO1-x) <i>Yu-Jen Shih, Yu-Qiao Su</i>
	14:06 14:18	CL2315 Treatment of Textile Wastewater Using Membrane Bioreactor and Reverse Osmosis for Water Reclamation: A Pilot-Scale Study <i>Po-Hsun Lin, Pin-Hui Lee, Emily K. Kin</i>
	14:18 14:30	CL2316 Study of Thermal Stability of Ionic Liquids [Omim][BF4] in Different Atmospheres <i>Chun-Wei Chiu, Chan-Cheng Chen</i>
	14:30 14:42	CL2318 Experimental Study on the Bubble Size from Multi-Hole Venturi Jet at Different Temperatures and Salinity <i>Ming-Yu Sun, Jian-Chen Shern, Yi-An Liao</i>
	14:42 14:54	CL2319 The Aeration Effect of Hollow Propeller Aerator with Different Paddles Number and Multiple Holes in Water <i>Jian-Chuan Shern, Guo-Zhan Hong</i>
	14:54 15:06	SCH2311 Warranty Policy for Recycled Product Considering Product Failure Rate <i>Cheng-Han Wu, Yen-Yu Chi</i>
	15:06 15:18	CO2327 Robust Support Vector Machine and Semi-Infinite Programs <i>Jen-Yen Lin</i>
	15:18 15:30	CN2317 Accurate Predictions for Spatiotemporal Variations of Storm Surges by a Parametric Cyclone and Multi-Output Neural Network Hybrid Model <i>Wei-Ting Chao, Chih-Chieh Young</i>

Session A3 | Onsite Oral | Le Ciel (West)

Date	Time	<p>O. Other Engineering and Technology related topics / CE. High Entropy Alloy / CG. Advances in Vehicles and Railway Vehicle System</p> <p><i>Session Chair: Prof. Chian C. Ho</i></p>
<p>03rd April (Mon.)</p>	<p>08:00 08:12</p>	<p>CO2316 Cooling Efficiency Evaluation of a Greenhouse Equipped with an Evaporative Cooling Pad System in Tropical Country <i>Watsapon Junpayap, Tawarat Treeamnuk, Krawee Treeamnuk, Sornram Khongsattra, Anuwat Taorin, Yarinda Salee</i></p>
	<p>08:12 08:24</p>	<p>CO2318 A Cellular Cytoskeleton Vibration Driven by Axial Vibration of Microtubules and Lateral Vibration of Actin Filaments <i>Buntara Sthenly Gan</i></p>
	<p>08:24 08:36</p>	<p>CO2319 Design of Feedback Controller for Humidity Control of Air Circulation in Drying System <i>Aphisik Pakdeekaew, Krawee Treeamnuk, Tawarat Treeamnuk</i></p>
	<p>08:36 08:48</p>	<p>CO2320 Evaluation of Paddy Drying in Pneumatics Dryer by Using Artificial Neuron Network Technique <i>Boontarika Sila, Krawee Treeamnuk, Tawarat Treeamnuk</i></p>
	<p>08:48 09:00</p>	<p>SCE2310 Mechanical Properties of Quinary Titanium-Rich Multi-Principal Element Alloy with Low Density and Heterostructure <i>Che-Wei Chang, Po-Sung Chen, Shian-Ching Jang, Chih-Yen Chen</i></p>
	<p>09:00 09:12</p>	<p>SCE2311 Enhanced Mechanical Properties of The Ti-Rich Medium Entropy Alloy by Microalloying with Nickel <i>Po-Sung Chen, Jun-Rong Liu, Pei-Hua Tsai, Jason Shian-Ching Jang, Chih-Yen Chen</i></p>
	<p>09:12 09:24</p>	<p>SCE2312 The Evolution of Microstructure and Mechanical Properties of Titanium-Rich Medium-Entropy Alloy with Minor Zirconium Addition <i>Po-Sung Chen, Sheng-Jia Shiu, Pei-Hua Tsai, Jason Shian-Ching Jang, Chih-Yen Chen</i></p>
	<p>09:24 09:36</p>	<p>SCE2313 From Bulk to Thin-Film: Phase Diagram Engineering Elicits Lightweight Ti-rich Medium Entropy Materials with Enhanced Mechanical Properties <i>Wen-Chi Yang, Ping-Yuan Deng, Po-Sung Chen, Jason S. C. Jang, Hsin-Jay Wu</i></p>
	<p>09:36 09:48</p>	<p>SCE2314 MD Simulations of Plastic Deformation Behavior for NiTi-Based Low-Entropy to High-Entropy Intermetallic Compounds <i>Cheng-Yuan Tsai, Shou-Yi Chang</i></p>
	<p>09:48 10:00</p>	<p>SCG2310 Hybrid Fuzzy-Fuzzy Stability Control for Anti-Rollover of Autonomous Heavy-Duty Truck <i>Chian C. Ho, Riki Umami Sanaz Ulfritria</i></p>

Session A4 | Onsite Oral | Le Ciel (West)

Date	Time	<p>F. Computer & Information Engineering / M. Innovation Management / CF. Recent Advances in Industrial Design / CG. Advances in Vehicles and Railway Vehicle System</p> <p><i>Session Chair: Prof. Ameersing Luximon ; Prof. Yen-Ching Chang</i></p>
<p>03rd April (Mon.)</p>	<p>10:15 10:27</p>	<p>CF2315 Using Multiple-Input Deep Learning Models to Classify Images <i>Yi-Chieh Chao, Yi-Shan Chung, Hui-Chieh Hsu, Yen-Ching Chang</i></p>
	<p>10:27 10:39</p>	<p>CF2321 Medical Image Segmentation with Few Labeled Data based on Contrastive Learning Methods <i>Kai-Chieh Yang, Yen-Ching Chang</i></p>
	<p>10:39 10:51</p>	<p>CM2310 The Development of Augmented Reality in Online Shopping: The Viewpoint of the Consumer <i>Zhenpan Wang, Sulin Chung</i></p>
	<p>10:51 11:03</p>	<p>SCF2310 A Temple Clamping Force Calculation Model for Eyeglasses Design Using Bernoulli-Euler Beam Theory <i>Jie Zhang, Junjian Chen, Yan Luximon</i></p>
	<p>11:03 11:15</p>	<p>SCF2311 Parametric Design of Robot Heads <i>Zhikang Wang, Ameersing Luximon</i></p>
	<p>11:15 11:27</p>	<p>SCF2312 Challenges of Online Art and Design Education <i>Yaoqi Li, Ameersing Luximon</i></p>
	<p>11:27 11:39</p>	<p>SCF2313 VR Technology: Past, Present, and Future <i>Runqing Cheng, Ameersing Luximon</i></p>
	<p>11:39 11:51</p>	<p>SCF2314 Use of Infra-Red Thermography to Study Daily Variation in Facial Skin Temperature <i>Amelia Dion Luximon, Ameersing Luximon</i></p>
	<p>11:51 12:03</p>	<p>SCG2313 Investigation of the Effect of Tunnel Passing to the Running Dynamics of Railway Mass Rapid Transit <i>Yaojung Shiao, Wei Wang</i></p>

Date	Time	<p>H. Industry 4.0 & Automation Engineering / J. Mechanical Engineering / CA. Best Paper Awards / CD. Intelligent Technology Management</p> <p><i>Session Chair: Prof. Chieh-Ju Juan ; Prof. Ming-Fong Tsai</i></p>
<p>04th April (Tue.)</p>	<p>08:00 08:12</p>	<p>CH2310 A Two-Stage Scheme for Drone Inspection in Wireless Sensor Networks <i>Chieh-Ju Juan, Chun-Ku Kuo</i></p>
	<p>08:12 08:24</p>	<p>CH2315 A 4D Temperature System and its Application Study—A: The Development of 4D Temperature System <i>Meng-Chang Wu, Rong-Feng Tsai, Jia-Hao Liu</i></p>
	<p>08:24 08:36</p>	<p>CH2318 A 4D Temperature System and its Application Study—C: The Effect of Forced Convection on Energysaving <i>Rong-Feng Tsai, Ji-Bin Deng, Ze-Xi Chen</i></p>
	<p>08:36 08:48</p>	<p>CJ2313 Binocular Stereo Vision Based on Measurement of Object Motion Displacement with Subset Matching Algorithm <i>Jin-Jia Kang, Yu-Jung Lee</i></p>
	<p>08:48 09:00</p>	<p>CJ2320 A 4D Temperature System and its Application Study—B: The Effect of Forced Convection on the Cooling Range of an Air Conditioner <i>Rong-Feng Tsai, Kuang-Chyi Lee, Rong-Jen Kuo</i></p>
	<p>09:00 09:12</p>	<p>SCA2311 Looking into Industry Differences on Patent Quantity's Capability for Differentiating Stock Return Rates of Chinese Listed Companies of Manufacturing Industry <i>Hong-Wen Tsai, Hui-Chung Che</i></p>
	<p>09:12 09:24</p>	<p>SCD2310 Using FAHP and RNN to Explore the Risk of Supply Chain Adopting Central Bank Digital Currency <i>Ming-Chih Chen, Wen-Chin Chen</i></p>
	<p>09:24 09:36</p>	<p>SCD2311 Using FAHP and RNN to Discuss the Key Factors of Civic Crowdfunding Success <i>Hsin-Hsi Lin, Wen-Chin Chen</i></p>
	<p>09:36 09:48</p>	<p>SCD2312 Determining the Important Factors for Talents Selection in Taiwan Manufacturing Industry Using Interpretive Structural Modeling and Fuzzy Analytic Network Process Approach <i>Wen-Chin Chen, An-Xuan Ngo</i></p>
	<p>09:48 10:00</p>	<p>SCD2314 Cooperative Remote Maintenance System for Intelligent Machinery <i>Ming-Fong Tsai, Ding-Wen Lu</i></p>

Session C2 | Online Oral | Office Website

Date	Time	<p>G. Green Technology & Civil Engineering / N. Intelligent Computing / O. Other Engineering and Technology related topics / CE. High Entropy Alloy / CG. Advances in Vehicles and Railway Vehicle System</p> <p><i>Session Chair: Prof. Hsiuhui Yang ; Prof. Hsiu-Ying Hwang</i></p>
<p>04th April (Tue.)</p>	<p>10:15 10:27</p>	<p>CG2312 The Effect of Using PVAc as an Emulsion Modifier to Reduce the Interface Transitin Zone (ITZ) in HPPC is Being Discussed <i>Chen-Han Lin, Jason Yu, Chiao-Wen Lin</i></p>
	<p>10:27 10:39</p>	<p>SCG2311 Analysis of Taiwan Railway’s Marketing Strategy in the Tourism Industry <i>Hsiuhui Yang, Jirachaya Sawetwanichakul, Rohmatulloh Amirodtudin</i></p>
	<p>10:39 10:51</p>	<p>SCG2314 Vehicle Noise Analysis <i>Hsiu-Ying Hwang, Jia-Shiun Chen</i></p>
	<p>10:51 11:03</p>	<p>CO2315 Comparison GC-VUV and GC-FID M4 for the Characterization of Petroleum Fuels <i>Mohd Hisham Ibrahim, Farha Ab Rahim, Meng Yap Yip, Ramona Nazreen A Rahman, Harm Moes</i></p>
	<p>11:03 11:15</p>	<p>CO2321 Fraud Detection Analysis Using Machine Learning Methods in the Financial Industry with Graph-Based Database <i>Alperen Sayar, Tuna Cakar, Tunahan Bozkan, Seyit Eryugrul</i></p>
	<p>11:15 11:27</p>	<p>CN2323 Immersive Learning with Multisensory (Tactile Letters) and Mobile Application in Enhancing Literacy among Dyslexia Children <i>Noratikah Abdullah, Mariam Mohamad, Mageswaran A/L Sanmugam, Darren Lim Yie</i></p>
	<p>11:27 11:39</p>	<p>SCE2315 Mobility of Edge Dislocation in Dual Phase Al_{0.6}CoNiFe Multicomponent Solid Solution Alloys <i>Han-Wen Yen, Chao-Yu Chen, Chang-Wei Huang, Yu-Chieh Lo</i></p>
	<p>11:39 11:51</p>	
	<p>11:51 12:03</p>	

Poster D1 | Onsite Poster | Foyer

Date	Time	No.	Session Chair: Tz-Yun Chen
02 nd April (Sun.)	08:00 10:00	1	CA2310 Enhanced Piezoelectric Properties of Electrospun Poly (Vinylidene Fluoride)/Zinc Oxide Nanofiber via One-Step Process <i>Cheng-Chien Wang, Yu-Chen Wang</i>
		2	CA2318 Synthesis of C-O-Cu Molecular Dipoles on Graphene Oxide for Excellent SERS Sensing <i>Ruey-Chi Wang, Hsiu-Cheng Chen</i>
		3	CA2321 Synthesis and Properties of Pressure Sensitive Adhesive Based on Novel Silane Acrylate for Foldable and Flexible Displays <i>Ho-Jun Song</i>
		4	CA2324 Electrophoretic Deposition of Metal Imidazole-Schiff Base Complex as a Bifunctional Electrocatalyst for Alkaline Water Splitting <i>Si-Rong Xu, Tzu-Hsuan Chiang</i>
		5	CB2312 Integration DDPG with Hindsight Experience Replay for Intuitive Human-Robot Tele-Operation Interface <i>Jie-Yao Yang, Tzuu-Hseng S. Li</i>
		6	CN2321 The Prediction of Badminton Flight Trajectory <i>Chih-Hui Chiu, Jung-Lli Su, Chieh-Min Lin</i>
		7	CF2313 An Anonymous and Incentive Blockchain-Based Voting System <i>Jun-Qian Jian, Lo-Yao Yeh</i>
		8	CG2310 Application of Printed Circuit Board Ashes as Pavement's Binder <i>Ying-Chu Chen, Chou-Chan Yu</i>
		9	CG2315 Research on the Benefits of Metropolitan Parks for Improving Urban Environment <i>Wen-Pei Sung, Yi-Rou Chi</i>
		10	CG2317 Recycling of Carbon Particles from PET Wastes Using Supercritical Fluid <i>Chia-Ying Wu, Yi-Chieh Lai, Ying-Liang Chen</i>

Poster D2 | Onsite Poster | Foyer

Date	Time	No.	Session Chair: Tz-Yun Chen
02 nd April (Sun.)	10:15 12:03	1	CJ2319 The Horn Design for Joining Copper Wire with Copper Sheet by Ultrasonic Vibrations <i>Kuen-Ming Shu, Kuang-Chyi Lee, Shang-Jr Liao, Chia-Yang Weng, Che-Wei Chang, Zhi-Jia Zhao, Wen-Jie Xie, Xiang-Wen Zheng, Yuan-Shao Yan</i>
		2	CO2314 The Study on Vehicle Reference Using Point Aiming Device for Sensor Calibration <i>Seong-Min Park, Yong-Eun Kim</i>
		3	SCD2313 Research and System of Fitness Detection and Correction Based on Deep Learning <i>Yen-Chiu Chen, Kian-Kah Tan</i>
		4	CL2312 Optimal Utilization of Silicon Carbide Sludge for Geopolymer Synthesis Using Design of Experiments <i>Kae-Long Lin, Yu-Hsuan Huang, Ya-Wen Lin</i>
		5	CL2323 Effects of Pyrocurzerenone on Human Oral Carcinoma Migration by Regulating the Cathepsin S and MAPK Pathway <i>Chia-Chieh Lin, Ming-Ju Hsieh</i>
		6	CJ2316 Rapid Thermal Error Predication Neural Network in Selective Laser Melting Using FEM Proxy Modeling Methodology <i>Pei-Hsu Chung, Chi-Hung Pan, Jyun-Rong Zhuang</i>
		7	CJ2317 Diagnosis of the Dental Handpiece Rotor Collet by Using Temporal Convolution Network <i>Yi-Cheng Huang, Po-Chen Chen</i>
		8	CC2315 Color Stability Enhancement of Organic Light-Emitting Diodes <i>Shui-Hsiang Su, Yu-Chang Chen, Chun-Yao Huang</i>
		9	CH2316 Study of Multi-Target Optimization Method for Machining Parameter Determination for CNC Machining Process <i>Shih-Ming Wang, Chun-Yi Lee, Hariyanto Gunawan</i>
		10	CN2319 Tire Abnormality Detection System Based on Machine Learning and IoT Sensing Technology <i>Kuan-Lin Chen, Li-Cih Yeh, Tian-Yi Chen, Sheng-Jing Yang, Shashank Mishra, Jia-Ming Liang, Jen-Jee Chen</i>

Poster D3 | Onsite Poster | Foyer

Date	Time	No.	Session Chair: Tz-Yun Chen
03 rd April (Mon.)	08:00 10:00	1	CB2311 Transmission Rates of the Inertial Dynamics Onboard of a Flapping Micro Aerial Vehicle <i>Edwin M. Lau, Gouda Chun-Cheng Peng, Tim Yan-Ting Yeh, Jirayu Lau</i>
		2	CE2311 Study on Surface Properties of Silver-Containing HA Coating on Titanium Surface Prepared by Micro-Arc Oxidation <i>Wei-Ting Lin, Tzu-Yi Hsieh, Tsung-Yuan Kuo, Chi-Sheng Chien, Jun-Wei Huang, Bo-Yang Lin, Chieh-Tsung Wang, Hwa-Teng Lee, Tzer-Min Lee</i>
		3	CL2322 Catalytic Conversion of Lignocellulosic Biomass into High Value-Added Chemicals Over Highly Efficient ZSM-5 Zeolite as Catalyst in the Environmentally Benign Water/n-Butanol System <i>Kassian T.T. Amesho, Sumarlin Shangdiar, Pei-Cheng Cheng, Subham Harder, Yuan-Chung Lin</i>
		4	SCG2312 Less Abstractness, Higher Motivation: How Racing-Car Game-Based Learning Teaching Method Can Increase Students' Computer Programming Languages Learning <i>Meiling Jow, Yaojung Shiao</i>
		5	CM2316 Expectations and Concerns about ChatGPT: Analysis of Social Discourse <i>Soo Kyung Park</i>
		6	CJ2322 Simulation Study on a New Hybrid Autonomous Underwater Vehicle with Elevators <i>Jiafeng Huang, Hyeung-Sik Choi, Dong-Wook Jung, Hyunjoon Cho, Phan Huy Nam Anh, Ruochen Zhang, Jung-Hyeun Park</i>
		7	CH2317 On a Cam-Driven Tensegrity-Based Vibratory Platform <i>Wen-Hsiang Hsieh, Wei-Sheng Lin, Chun-Yi Kuo</i>
		8	CF2323 Using Deep Learning Networks Deeplab_v3 and Deeplab_v3+ for Early-Stage Gastric Cancer Detection in NBI Images <i>Hsuan-Ting Chang, Tsung-Chun Lee, Zhi-Quan Yang, Shen-Ren Chen</i>
		9	CF2317 The Control Method for Wavelength-Based CCT of Natural Light Using LED <i>Yang-Soo Kim, Seung-Taek Oh, Jae-Hyun Lim</i>
		10	CF2316 Fade Lighting Control Method for Visual Comfort and Energy Saving <i>Se-Hyun Lee, Seung-Taek Oh, Jae-Hyun Lim</i>
		11	CI2310 Exponential Synchronization of Chaotic Systems <i>Feng-Hsiag Hsiao, Shih-Ming Wang</i>

Poster E1 | Online Poster | Office Website

Date	Time	No.	Session Chair: Bo-Siang Huang
04 th April (Tue.)	08:00 10:00	1	CC2313 Five-Phase Minimum Common-Mode Voltage PWM with Reduced Current THD <i>Keng-Yuan Chen, Meng-Sheng Hsieh</i>
		2	CO2311 Communication Problems and Use of Assistive Technology in People with Cerebral Palsy <i>Eva Chang, Yi-Ran Chen</i>
		3	CM2311 Exploring the Synergy between Innovation and Entrepreneurship in Incubation Center: From China Perspective <i>Jun-Da He, Chi-Fai Henry Ma</i>
		4	CJ2314 Acoustic Analysis of Cavity Flows Using Computational Fluid Dynamics <i>Zhong-Xin Yu, Hsien-Hao Teng, Pao-Wen Liu, Yan-Jyun Liu</i>
		5	CL2317 Visualization the Microclimate of Atrium Buildings from the Perspective of Human Comfort <i>Chuang-Hung Lin, Fan Xu</i>
		6	SCA2313 Analysis of Running Dynamics and Wheel-Rail Interaction for Log Cart with Different Wheel-Rail Combination <i>Yaojung Shiao, Zheng-Hung Ma</i>
		7	CE2310 Ultrasound Alleviates LPS-Induced Inflammation in Microglia <i>Feng-Yi Yang, Jia-Wei Chang, Cong-Yong Gao</i>
		8	CA2315 Novel Interconnected Hierarchical Porous Carbon Derived from Biomass for Enhanced Supercapacitor Application <i>Mohammed Jalalah, Milan Mahadani, Arpan Kumar Nayak, Farid A. Harraz</i>
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