

Room F (7F- Edatoruim Foyer )				
31th October (Sat.)	Poster I 9:00   9:50	<b>Poster 1</b> A5006 <b>Trap Exploration of Amorphous Boron-doped Zinc Oxide Films</b>  <i>Fu-Chien Chiu, Wen-Ping Chiang, Chih-Chi Chen, Chun Wang, Min-Yu Yang, Ko-Chia Liao, Hsin-Mei Wang</i>	<b>Poster 9</b> A5041 <b>Rigid/Flexible Polyurethane Foam Composite Boards with Addition of Functional Fillers: Acoustics Evaluations</b>  <i>Chen-Hung Huang, Ching-Wen Lou, Yu-Chun Chuang, Zhi-Cai Yu, Jia-Horng Lin</i>	<b>Poster 16</b> F5009 <b>Design of High Performance Antilogarithmic Converters for 3-D Graphics Applications</b>  <i>Chao-Tsung Kuo and Tso-Bing Juang</i>
		<b>Poster 2</b> A5011 <b>Combustion Synthesis of CaAlSiN<sub>3</sub>:Eu<sup>2+</sup> Phosphor and Its Photoluminescence Properties</b>  <i>Shyan-Lung Chung, Shu-Chi Huang</i>	<b>Poster 10</b> A5045 <b>Manufacturing Technique and Property Evaluations of Electrospinning Polyvinyl Alcohol/Bletilla Striata Composite Membranes</b>  <i>Chien-Lin Huang, Ching-Wen Lou, Chi-Fan Liu, Meng-Chen Lin, Wei-Jen Lin, Jia-Horng Lin</i>	<b>Poster 17</b> SE5006 <b>Development of the Power Detection and Prediction System Using Multisensory Fusion Algorithms</b>  <i>Ying-Yao Ting, Huan-Sheng Wang, Kuo-Lan Su</i>
		<b>Poster 3</b> A5013 <b>Preparation of Advanced Carbon Anode Materials from Mesocarbon Microbeads for Use in High C-rate Lithium Ion Battery</b>  <i>Ming-Dar Fang, Tsung-Han Ho, Jui-Pin Yen, Yu-Run Lin, Jin-Long Hong, She-Huang Wu, Jjin Jiang Jow</i>	<b>Poster 11</b> A5046 <b>Protective Rigid Fiber-Reinforced Polyurethane Foam Composite Boards: Sound Absorption, Drop-Weight Impact and Mechanical Properties</b>  <i>Chen-Hung Huang, Ching-Wen Lou, Yu-Chun Chuang, Ting-Ting Li, Chi-Fan Liu, Jia-Horng Lin</i>	<b>Poster 18</b> F5020 <b>Anonymous Identification Based Message Authentication for Vehicular Ad-Hoc Networks</b>  <i>Chih-Hsueh Lin, Alan Dahgwo Yein, Wen-Shyong Hsieh, Zhong-Ting Luo</i>
		<b>Poster 4</b> A5015 <b>Anisotropic Flow on Superoleophobic Surface with Grooved Mushroom Structure</b>  <i>Dong-Ki Lee, Young Hak Cho</i>	<b>Poster 12</b> A5047 <b>Polypropylene /Short Glass Fibers Composites: Effects of Coupling Agents on Mechanical Properties, Thermal Behaviors, and Morphology</b>  <i>Jia-Horng Lin, Chien-Lin Huang, Chi-Fan Liu, Chih-Kuang Chen, Zheng-Ian Lin, and Ching-Wen Lou</i>	<b>Poster 19</b> F5021 <b>Using Random Secret Pre-distribution Scheme to Implement Message Authentication in VANETs</b>  <i>Alan Dahgwo Yein, Chih-Hsueh Lin, Wen-Shyong Hsieh, Wei-Chung Chen</i>
		<b>Poster 5</b> A5021 <b>Preparation and Characterization of the Surface Photocatalytic Activity with NiO/TiO<sub>2</sub> Nanocomposite Structure</b>  <i>Jian-Zhi Chen, Tai-Hong Chen, Li-Wen Lai, Pei-Yu Li, Hua-Wen Liu, Yi-You Hong, and Day-Shan Liu</i>	<b>Poster 13</b> A5048 <b>Polypropylene/Graphene and Polypropylene/Carbon Fiber Conductive Composites: Mechanical, Crystallization and Electromagnetic Properties</b>  <i>Chien-Lin Huang, Ching-Wen Lou, Chi-Fan Liu, Chen-Hung Huang, Xiao-Min Song, and Jia-Horng Lin</i>	<b>Poster 20</b> F5027 <b>A Study on WSN-based Anomaly Event Detecting using Cusp Catastrophe Theory</b>  <i>Chien-Wei Tseng, Chao-Wen Chan</i>
		<b>Poster 6</b> A5025 <b>First-Principals Calculation to Investigate in the <math>\alpha</math>-phase Perovskite Crystal Material</b>  <i>Che-Ming Chang, Cheng-Hung San, Szu-Wen Yang, Chiung-Yuan Lin</i>	<b>Poster 14</b> SE5007 <b>Multi-Sensor Fusion Based on Artificial Beacon and RGB-D Environment Mapping for Indoor Robot Localization</b>  <i>Chun-Chi Lai, Kuo-Lan Su</i>	<b>Poster 21</b> A5050 <b>Effects of the Addition of Sodium Alginate and the Concentration of Calcium Chloride on the Properties of Composite Nonwoven Fabrics</b>  <i>Ching-Wen Lou, Chiung-Yun Chang, Chih-Kuang Chen, Chien-Lin Huang,</i>
		<b>Poster 7</b> A5027 <b>Research on the Powder-based Selective Laser Sintering Process by Multiphysics Numerical Simulation</b>  <i>Cheng-Hung San, Yu-Han Wu, Chih-Hsiang Chang, Chi-Yi Chuang, Yu-Che Wu, Weng-Sing Hwang</i>	<b>Poster 15</b> F5008 <b>Using a Grid Computing Based Meta-evolutionary Mining Approach for the Microarray Data Cancer-categorization</b>  <i>Tai-Wei Chiang, Ta-Cheng Chen</i>	<b>Poster 22</b> SG5002 <b>Conceptual Design of a Novel Mechanical Gear-Shifting Mechanism used in Rear Transmission Hubs for Bicycles</b>  <i>Yi-Chang Wu, Li-An Chen</i>
		<b>Poster 8</b> A5049 <b>Effect of Different Manufacturing Methods on the Conflict between Porosity and Mechanical Properties of Spiral and Porous Polyethylene Terephthalate/Sodium Alginate Bone Scaffolds</b>  <i>Ching-Wen Lou, Chien-Lin Huang, Chih-Kuang Chen, Chi-Fan Liu, Shih-Pen Wen and Jia-Horng Lin</i>		

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		A5051 Manufacturing Technique and Compatibility Evaluation of Polypropylene/High Density Polyethylene Polyblends <i>Jia-Horng Lin, Chien-Lin Huang, Chi-Fan Liu, Chih-Kuang Chen, Zheng-Ian Lin and Ching-Wen Lou</i>	SE5011 Design a Fire Detection Module Using Adaptive Fusion Algorithm <i>Kuo-Lan Su, Shen-Ta Su, Cheng-Yun Chung, Chun-Chi Lai</i>	J5032 Chimney-Enhanced Thermal Design Applied on the Thermal Management of LED Vehicle Headlamp <i>Sheam-Chyun Lin, Yu-Cheng Chen, Yu-Chun Wu, Hung-Cheng Yen</i>
		<b>Poster 2</b>	<b>Poster 10</b>	<b>Poster 18</b>
		H5001 Development of an Automatic Sampling Module to Monitor Concentration of Liquid-Borne Nanoparticle <i>Yu-Shan Yeh, Han-Fu Weng, Kaoru Kondo</i>	J5008 Development of Novel Spindle Motor with Dual Air Gap <i>Chien-Sheng Liu, Yu-Hao Chang</i>	J5038 Full Scale Experiment and Analysis for the Heat Exchanger of Performance in Molten Carbonate Fuel Cells <i>Seon-Hwa Kim, Byeong-Keun Choi</i>
		<b>Poster 3</b>	<b>Poster 11</b>	<b>Poster 19</b>
		H5004 Development of an Automatic Measurement and Matching Machine for Columned Battery Cells <i>Yi-Hua Fan, Ching-En Chen, Chia-Hui Tsao, and Yu-Ming Chen</i>	J5011 Numerical Analysis of the Current Distribution in GaN-based Light-emitting Diodes on Insulating Substrates <i>Farn-Shiun Hwu, Tze-Hung Lin</i>	J5041 The Development of SiO <sub>2</sub> Micro-spheres by a Microfluidic Device <i>Jack Y.C. Lin, Zheng-Han Hong, Yen-Ting Chen, Tsai-Fa Chen, Fu-Chuan Hsu and An-Chz Yen</i>
		<b>Poster 4</b>	<b>Poster 12</b>	<b>Poster 20</b>
		I5004 Design of a Fuzzy-PID Controller for a Nanoscale X-Y Platform <i>Yi-Hua Fan, Ching-En Chen, Ya-Qi Lin, Hung-Wen Liao</i>	J5014 On a New Cam-Geared Mechanism for Partial Exact Path Generation with a Cusp <i>Ren-Chung Soong, Cheng-Yi Liu, Chung-Chen Lee</i>	J5042 Effect of a Vector Wall on the Thermal and Fluid Flow in a SRU Thermal Reactor <i>Chun-Lang Yeh</i>
		<b>Poster 5</b>	<b>Poster 13</b>	<b>Poster 21</b>
		I5005 Observer Based Control for a Singular Markovian Jumping System <i>Ching-Min Lee, Zi-Hang Hong</i>	J5021 Study on Platinum Coating Depth in Focused Ion Beam Diamond Cutting Tool Milling and Methods for Removing Platinum Layer <i>Woong-Kirl Choi, Seung-Yub Baek</i>	J5043 Effect of Streamlining Geometry on Thermal and Fluid Flow in a SRU Thermal Reactor <i>Chun-Lang Yeh</i>
		<b>Poster 6</b>	<b>Poster 14</b>	<b>Poster 22</b>
		J5002 Contact Stress and Radial Stiffness of a Cylindrical Roller Bearing with Corrected Roller Generator <i>Guanqi Chen, Hailiang Wang</i>	SG5009 The Mechanism Design of Multipoint Mortise Lock <i>Hsing-Hui Huang</i>	J5005 Cogging Torque Analysis of an Exterior-Type Permanent-Magnet Brushless DC Motor <i>Yi-Chang Wu, Hang-Ting Hsu</i>
<b>Poster 7</b>	<b>Poster 15</b>			
J5003 Parametric Investigation on Mixing in a Micromixer with Two-layer Crossing Channels <i>Shakhawat Hossain, Kwang-Yong Kim</i>	J5025 Effect of Choke Ring Dimension on Thermal and Fluid Flow in a SRU Thermal Reactor <i>Chun-Lang Yeh</i>			
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J5004 Haemodynamics and Biomechanics Study of the Aortic Heart Valve with Abnormally Thickened Leaflets during Systole <i>Cheung-Hwa Hsu, Wu-Chiao Shih, Ha-Hai Vu</i>	J5031 Numerical Investigation on Noise Reduction on In-line Fan Equipped with Helmholtz Resonator <i>Sheam-Chyun Lin, Yu-Cheng Chen, Yung-Jen Chen, Hung-Cheng Yen</i>			

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		A5052 <b>Preparation and Characterization of Polypropylene/ High Density Polyethylene/Carbon Fiber Composites</b> <i>Chien-Lin Huang, Ching-Wen Lou, Chi-Fan Liu, Chen-Hung Huang, Zheng-Ian Lin, and Jia-Hornng Lin</i>	SA5013 <b>The Development of Portable Vibration Stimulation System to improve the Abnormal Gait and the Effects</b> <i>Ki-Young Kwak, Min-Hwa Park and Dong-Wook Kim</i>	SB5003 <b>Reliability Assessment of Lithium Batteries Using Dual Dynamic Stress Accelerated Degradation Tests</b> <i>Yu-Chang Lin, Kuan-Jung Chung</i>
		<b>Poster 2</b>	<b>Poster 10</b>	<b>Poster 18</b>
		A5053 <b>Preparation and Property Evaluation of Three-Dimensional Tencel® Composites</b> <i>Jia-Hornng Lin, Chiung-Yun Chang, Chien-Lin Huang, Chi-Fan Liu and Ching-Wen Lou</i>	SA5015 <b>The Development of Portable Gait Cycle Detection System using the Inertial Sensor and Evaluation about Accuracy</b> <i>Min-Hwa Park, Ki-Young Kwak and Dong-Wook Kim</i>	SB5005 <b>Dynamic Behavior Analysis of Cantilever Type Nano-mechanical Electrostatic Actuator</b> <i>Chin-Chia Liu</i>
		<b>Poster 3</b>	<b>Poster 11</b>	<b>Poster 19</b>
		L5001 <b>Review and Assessment of Sensor for Wearable Sensing System with Application in Healthcare</b> <i>Kai-Hsiang Yen, Maxi Tsai, and Carl Wang</i>	SA5023 <b>Establishment of Dynamic Equations for Damped Systems Based on Quasi-Variational Principles</b> <i>Yu-Hua Pan, Yuan-Feng Wang, Li Su</i>	SC5001 <b>Web-based Reconstruction for Chinese Handwriting Guqin Musical Score</b> <i>Gen-Fang Chen</i>
		<b>Poster 4</b>	<b>Poster 12</b>	<b>Poster 20</b>
		L5003 <b>Automatic Microfluidic Fluorescence-array Measurement System for Detecting Organic Phosphate</b> <i>Hsing-Cheng Chang, Jung-Chih Lin, Shyan-Lung Lin, I-Nan Chang, Chern-Sheng Lin and Shi-Yao Chen</i>	SA5026 <b>Calculation of Additional Axial Force of Angular-Contact Ball Bearings in Rotor System</b> <i>Zhen-Huan Ye, Zhan-Sheng Liu, Li-Qin Wang</i>	SC5005 <b>Evolutionary Design of Multiplierless Lifting-based 2D DWT Filters for Low-resolution Image Processing</b> <i>Ching-Yi Chen, Chin-Hsien Hsia, Chun-Yuan Yang</i>
		<b>Poster 5</b>	<b>Poster 13</b>	<b>Poster 21</b>
		N5004 <b>Optimization of Precise GNSS RTK Measurement for Practice via Heuristic Analysis</b> <i>Dalibor Bartonek, Jiri Bures, Otakar Svabensky</i>	SA5028 <b>Physical-Parameter Identification of Base-isolated Torsionally Coupled Buildings</b> <i>Ming-Chih Huang, Yen-Po Wang, Shih-Tsung Hsu, Chung-Wei Yeh, Ching-Yun Kao</i>	ST5006 <b>Maintenance Scheduling of Power System Problem by Using Hybrid Discrete CSS-EP</b> <i>Cheng-Chieh Chu, Men-Shen Tsai, Chih-Wei Hsieh, Hsi-Ya Chang</i>
		<b>Poster 6</b>	<b>Poster 14</b>	<b>Poster 22</b>
		WC5002 <b>A Network Meta-Analysis on the Effects of Information Technology Application on Preoperative Knowledge of Patients</b> <i>Yi-Hornng Lai</i>	SA5033 <b>Research on the Self-synchronous Vibration of Fatigue Loading Test for Wind Turbine Blades</b> <i>Xue-Mei Huang, Lei-An Zhang, Guang-Ming Yuan</i>	F5015 <b>Active User Recognition by Combined Eigenspace and SVM with Kinect-Extracted Gesture Features</b> <i>Ing-Jr Ding and Zong-Gui Wu</i>
<b>Poster 7</b>	<b>Poster 15</b>			
A5054 <b>Effects of Al Content on Formation and Photoluminescence Properties of CaAlSiN<sub>3</sub>:Eu<sup>2+</sup> Phosphor by Combustion Synthesis</b> <i>Shyan-Lung Chung, Shu-Chi Huang</i>	SA5035 <b>Collective Quantum Behaviors in the Quantum Well Associated with the Strongly Inversed Channel</b> <i>Hsin-Chia Yang, Sung-Ching Chi</i>			
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SA5008 <b>The Rotor Dynamic Analysis with Speed-Dependent Models for a High Speed Shaft with Hot-Fit Part</b> <i>Shin-Yong Chen, Chin-Yu Tsao</i>	SA5036 <b>Assessment of Soil-Structure Interaction on a 51-story Building from the Spectral Ratio of Earthquake Recordings</b> <i>Kun-Sung Liu</i>			

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31th October (Sat.)	Poster IV 13:00   13:50	<b>Poster 1</b> SC5006 <b>A Novel Random Forests Algorithm and its Application of Mangroves Remote Sensing Image</b>  <i>Yan-Min Luo, Pei-Zhong Liu, Hsuan-Ming Feng and Hua-Ching Chen</i>	<b>Poster 9</b> L5013 <b>GNRs-PEI for Efficiently Delivering siRNA and Photothermal Therapy</b>  <i>Yujuan Zhang, Na Song, Jiamin Fu, Yanling Liu, Yanrong Yu, Qiaofa Shi, Yingyuan Fu, Nanjing Zhou, Keng Yuan, Lin Zhao, Quan Zhang, Weiping Min</i>	<b>Poster 16</b> WF5006 <b>Application of Strain and Strain Rate Imaging in Evaluation of Abnormal Regional Myocardial Function in Patients with Hypertension</b>  <i>Wan Zhang, Ran Yin, Zeqi Zheng, Yuxiao Deng, Junyi Zeng, Yipeng Li</i>
		<b>Poster 2</b> SC5008 <b>Dynamic Image Segmentation Algorithm in 3D Descriptions of Remote Sensing Images</b>  <i>Ching-Yi Chen, Hsuan-Ming Feng, Hua-Ching Chen and Shiang-Min Jou</i>	<b>Poster 10</b> F5006 <b>The Association Study of Feasibility Framework Between Population-based and Tree-based Optimization Algorithms</b>  <i>Chun-Liang Lu, Shih-Yuan Chiu, Tsun-Chen Lin and I-Fang Chung</i>	<b>Poster 17</b> SH5009 <b>Estimation of Therapeutic Photon Beams Induced Electron Fluxes in Various Cerenkov Radiators Using MCNPX Code</b>  <i>Jae Seok Kim, Kyoung Won Jang, Sang Hun Shin, Jae Seok Jang, Hyesu Jeon, Guwon Kwon,</i>
		<b>Poster 3</b> SC5009 <b>Robust Tracking of Multiple Persons in Real-Time Video</b>  <i>Ching-Han Chen, Zi-Hong Li</i>	<b>Poster 11</b> G5005 <b>Energy Conservation Perspective to Explore the Mixing Temperature Effectiveness of Basic Oxygen Furnace Slag used in Asphalt Mixtures</b>  <i>Long-Sheng Huang, Deng-Fong Lin</i>	<b>Poster 18</b> SH5010 <b>Analyses of a Polyhedron Biosensor Based on Surface Plasmon Resonance Technology in Heterodyne Interferometry</b>  <i>Wesley Lai, Shinn-Fwu Wang, Tsung-Hsun Yang, Jyh-Shyan Chiu, Hung-Jen Yang</i>
		<b>Poster 4</b> SC5013 <b>Automatic Vehicle License Plate Recognition Based on Prewitt Edge Detection and Morphological</b>  <i>Rong-Choi Lee, King-Chu Hung, and Huan-Sheng Wang</i>	<b>Poster 12</b> JJ1030 <b>The Hybrid Evolutionary Computational Model for Gene Selection and Classification Applied to Cancer Microarray Data</b>  <i>Chun-Liang Lu, Tsan-Cheng Su, Tsun-Chen Lin and I-Fang Chung</i>	<b>Poster 19</b> WD5013 <b>Detection of viable E. coli by monitoring growth with electrochemical impedance spectroscopy</b>  <i>Kalpana Settu, Ching-Jung Chen, Jen-Tsai Liu, Jang-Zern Tsai</i>
		<b>Poster 5</b> SC5015 <b>A Automatic Vehicle License Plate Recognition Based on New Create Feature Method and Artificial Neural Network</b>  <i>Rong-Choi Lee, King-Chu Hung, and Huan-Sheng Wang</i>	<b>Poster 13</b> SG5011 <b>The Synthesis of the Planar Linkages with Symmetrical Configurations</b>  <i>Chia-Chun Chu, Deng-Maw Lu</i>	<b>Poster 20</b> SH5013 <b>Experimental Measurement of Structural Vibration by Fiber Bragg Grating Sensor</b>  <i>Shiuh-Chuan Her, Shin-Chieh Chung</i>
		<b>Poster 6</b> SD5002 <b>Video Quality Enhancement Based on Visual Attention Model and Multi-level Exposure Correction</b>  <i>Guo-Shiang Lin, Xian-Wei Ji</i>	<b>Poster 14</b> SG5014 <b>The Engineering Design and Transmission Efficiency Variation of Helical Spur Gear Transmission with Single Gear Pair</b>  <i>Long-Chang Hsieh and Tzu-Hsia Chen</i>	<b>Poster 21</b> TA5012 <b>Evaluation of Basic Oxygen Furnace Slag on asphalt mixtures stripping and creep behavior</b>  <i>Long-Sheng Huang, Deng-Fong Lin</i>
		<b>Poster 7</b> SD5009 <b>A Gender Recognition Scheme Based on Multi-Region Feature Extraction and Information Fusion for Unconstrained Images</b>  <i>Guo-Shiang Lin, Min-Kuan Chang, Yu-Jui Chang, Chia-Hung Yeh</i>	<b>Poster 15</b> SG5015 <b>The Optimized Design, Engineering Design, and Prototype Manufacture of Planetary-Type Polisher</b>  <i>Long-Chang Hsieh and Tzu-Hsia Chen</i>	<b>Poster 22</b> SG5003 <b>Transmitted Torque Analysis of a Concentric Magnetic Gearbox with Surface-mounted Permanent Magnets</b>  <i>Yi-Chang Wu, Ming-Yuan Chen</i>
		<b>Poster 8</b> SH5011 <b>Development of an All-in-one Phantom and Scintillator Radiation Sensor for Real-time Monitoring of Source Position in HDR Brachytherapy</b>  <i>Sang Hun Shin, Guwon Kwon, Jae Seok Jang, Jae Seok Kim, Hyesu Jeon, Dong Eun Lee, Kyoung Won Jang, Wook Jae Yoo, Kum Bae Kim, and Bongsoo Lee</i>		

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		<b>Poster 2</b> SH5017 <b>Flexible Materials for Wearable Sensing Applications</b> <i>Bo-Ru Yang, Gui-Shi Liu, and Rong-Shue Hsiao</i>	<b>Poster 10</b> SI5006 <b>Finite Element Modeling and Experimental Verification of Lightweight Floor Vibration</b> <i>Je-Woo Park, Tae-Hyu Ha, and Hongjin Kim</i>	<b>Poster 18</b> SI5015 <b>Traffic Breakdown and Recovery in Traffic Simulation</b> <i>Seongho Kim, Sunduck Suh, Wonho Suh, Jungin Kim</i>
		<b>Poster 3</b> SH5019 <b>Development and Comparison of the Fiber-Optic Sensors in Different Shape for Remote Measurement of Gamma Radiations</b> <i>Chan Hee Park, Rinah Kim, Han Young Joo, and Joo Hyun Moon</i>	<b>Poster 11</b> SI5007 <b>Mitigation of Wind-Induced Vibration of a Tall Residential Building using Liquid Column Vibration Absorber</b> <i>Bong-Ho Cho, Eunjong Yu, and Hongjin Kim</i>	<b>Poster 19</b> SI5016 <b>Risk Analysis Model for Regional Railroad Investment</b> <i>Sunduck Suh, Wonho Suh</i>
		<b>Poster 4</b> SH5018 <b>Aerial Robot Monocular Simultaneous Localization and Mapping</b> <i>Yin-Tien Wang, Chung-Hsun Sun, and Ting-Wei Chen</i>	<b>Poster 12</b> SI5009 <b>Evaluating the Impact of Sudden Collapse of Major Freeway Connectors on Rapid Transit and Adjacent Freeway System: San Francisco Bay Area Case Study</b> <i>Koohong Chung, Yoonseok Oh, Cheolsun Kim, Shin Hyoung Park,</i>	<b>Poster 20</b> SI5017 <b>Evaluating Risks Using Simulated Annealing and Building Information Modeling</b> <i>Dong-Woo Ryu, Jungin Kim, Sunduck Suh, Wonho Suh</i>
		<b>Poster 5</b> SH5023 <b>Ag Modified ZnO Tetrapods for Humidity Sensing Applications</b> <i>Amir Abidov, Bunyod Allabergenov, Yong Bae Kim, Sungjin Kim</i>	<b>Poster 13</b> SI5010 <b>Meta-heuristic Approach for High-demand Facility Locations Considering Traffic Congestion and Greenhouse Gas Emission</b> <i>Taesusung Hwang, Minho Lee, Chungwon Lee, Seungmo Kang</i>	<b>Poster 21</b> SF5005 <b>Preparation and Tribological Study of Biodegradable Lubrication Films on Si Substrate</b> <i>Shih-Chen Shi, Teng-Feng Huang, Jhen-Yu Wu</i>
		<b>Poster 6</b> SI5001 <b>Development of an Exportable Modular Building System Using the Integrated Quality Function Development and TRIZ Method</b> <i>Seri Oh, Bong-Ho Cho, Dae-Jin Kim, Gap Duk Kim, Taehyu Ha</i>	<b>Poster 14</b> SI5011 <b>Study on Computation Model for Resource-based Lifting Loads of the Lift-cars for Super Tall Buildings</b> <i>Seo-Kyung Won, Choong-Hee Han, Junbok Lee</i>	<b>Poster 22</b> SH5015 <b>Employing Optical CDMA Techniques in the Michelson Interferometer Vibration Sensor Networks</b> <i>Chih-Ta Yen, Jen-Fa Huang, and Guan-Jie Huang</i>
		<b>Poster 7</b> SI5003 <b>Design of Structural Modular Beams Based on Six-sigma Concept</b> <i>Bong-Ho Cho, Tae-Hyu Ha, Hong-Jin Kim, Jong-Hwan Park, Dae-Jin Kim</i>	<b>Poster 15</b> SI5012 <b>Business Process Improvement of Pre-Project Planning in Plant Project</b> <i>Seo-Kyung Won, Choong-Hee Han, Junbok Lee</i>	
		<b>Poster 8</b> SI5004 <b>Systematic Approach for the Design of Modular Military Housing Units Using Six-sigma</b> <i>Bong-Ho Cho, Jonghwan Park, Dae-Jin Kim, Taehyu Ha</i>	<b>Poster 16</b> SI5013 <b>Optimal Design of High-Rise RC Coupled Structural Walls under Lateral Load</b> <i>Su-Min Kang, Seung-Yoon Yu, Taesusung Eom, Jaeyo Kim, Dong Kwan Kim</i>	

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		SI5019 A Case Study on the Rehabilitation of a Fire-Damaged Structure  <i>Taehun Ha, Jeongwon Ko, Sangho Lee, Seonwoong Kim, Jonghwan Park, Dae-Jin Kim</i>	WC5005 Development of a Novel Haptic Glove for Improving Finger Dexterity in Poststroke Rehabilitation  <i>Chi-Ying Lin, Chia-Min Tsai, Pei-Cheng Shih, Hsiao-Ching Wu</i>	WD5008 The Construction of the Indicators of Professional Competence for Exercise Instructors of the Elderly  <i>Hsiao-Ching Lan, Chih-Ping Li, Hao-Wei Zheng</i>
		<b>Poster 2</b>	<b>Poster 10</b>	<b>Poster 18</b>
		TC5004 Characteristic Study of Thermal Resistance of Color Concrete Tiles – Showcase of Mixing Bamboo Ash  <i>Sheng-Szu Peng, I-Tsen Liu, Shin-Hua Lu, Yi-Chen Wang</i>	WC5010 Exploring the Impact of Online Clinical Guidelines on Individual Knowledge Management Behaviors and Individual Net Benefits  <i>Chung-Hsien Chan, Tain-Junn Cheng, Shofang Chang</i>	WD5009 Healthcare Professional Networks as a Guideline for Older People with Dementia in Taiwan: A Literature Review  <i>Chih-Ping Li, Yu-Wen Fang</i>
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		TC5005 Research of Chengdu Modern Industrial Architectural Heritage  <i>Li-Yang Lu, Yun-Zhang Li</i>	WC5013 The Satisfaction of a Nursing Information System for Admission Care  <i>Mei-Hua Wang, Chih-Ping Li, Yu-Wen Fang</i>	WE5001 The Analysis of Cardio-respiratory Signals and Cerebral Autoregulation based on CO2 Reactivity with Healthy Subjects and Parkinson's Patients  <i>Shyan-Lung Lin, Andy Ying-Chi Liao, Shoou-Jeng Yeh, Jer-Yan Lin</i>
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		TC5011 Study of the Properties of Self-Floating Concrete Mixed with Catalyzer  <i>Sheng-Szu Peng, Kuo-Chung Huang</i>	WC5019 Analysis of Epidermal/Dermal Temperature Changes according to the Different Cryogen Spray Cooling Conditions  <i>Jung Ho Jo, Su Hyun Jo, Ju Hwan Lee, Ga Young Kim, Sung Min Kim</i>	WE5013 Comparison of Evaluation Parameters in the Retinal Layer between Diabetic Cystoid Macular Edema and Postoperative Cystoid Macular Edema after Cataract Surgery based on a Hierarchical Approach  <i>Eun Byeol Jo, Ju Hwan Lee, Yoo Na Hwang and Sung Min Kim</i>
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		TC5012 Effect of Grinding Time on the Particle Distribution of Dolomite  <i>Xiao Jia, He Yan-Qi, Guo Ming-Lei, Tian Cheng-Yu, Xu Yong</i>	WC5020 G2/M Arrest and Apoptosis of Human Colorectal Cancer Cells Induced by Water Extract from Residues of Jelly Fig Achene  <i>Wing-Ming Chou, Chun-Nan Chen, Hsiao-Ting Hsieh, Tsui-Yun Lo, Pei-Yi Juan, Fu-Der Mai</i>	SE5008 Using Low-cost Multi-sensor and FUZZY Algorithm Gas Detection System  <i>Jr. Hung Guo, Kuo-Hsien Hsia, Kuo-Lan Su</i>
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		WA5005 The Effect of Accelerometer Mass in Mechanomyography Measurements  <i>Soonjae Ahn, Isu Shin, Youngho Kim</i>	WC5026 The Efficacy of a Cognitive Training with Interactive Assistive Technology in Older Adults with Mild Cognitive Impairment  <i>Ya-Chu Hsu, Huei-Chuan Sung, Ting-Yi Hsu, Jing-Yun Lin, Ting-Hsuan Pai, Chia-Yin Lin</i>	SH5020 A Solar Power Regulation System Equipped with Intelligent Solar Orientation Tracker  <i>Yong-Nong Chang, Shun-Yu Chan, Hung-Liang Cheng</i>
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		WA5012 A Network Approach for the Comorbidities of HIV/AIDS in Taiwan  <i>Yi-Horng Lai</i>	WD5002 Investigation of Fibrous Cap Stresses on Vulnerable Plaques Leading to Heart Attacks  <i>Yi-Yu Wu, Bo-Chian Tsai, Yung-Chi Chen, Yu-Han Cheng, Hao-Ming Hsiao</i>	
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WC5001 A Study on the Attitude of Use the Mobile Clinic Registration System in Taiwan  <i>Yi-Horng Lai, Hsieh-Hu Yang, Fen-Fen Huang</i>	WD5007 Evaluation of the Effectiveness of an Intravenous Line and Fluid Bottle Fixation Design  <i>Piao-Yi Chiou, Chih-Yin Chien, Ting-Ru Shiu, Pei-Jium Lin, Wan-Yu Lin, Yi-Rung Jiang</i>			

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		<b>Poster 2</b> <b>SM5011</b> <b>A Self-Calibration Method for Articulated Arm Coordinate Measuring Machines</b> <i>Guan-Bin Gao, Xing Wu, Jing Na, Yu Guo, Wen Wang</i>	<b>Poster 10</b> <b>SS5005</b> <b>Evolutionary Algorithms for the Optimal Sequence of Multiple Disinfection Operations</b> <i>Yi-Chih Hsieh, Pei-Ju Lee, Peng-Sheng You</i>	<b>Poster 18</b> <b>TA5018</b> <b>The Fundamental Study of the Performance Evaluation of Composite Self-healing of Concrete Using PVA Fiber</b> <i>Heesup Choi, Masumi Inoue, Hyeonggil Choi, Myungkwan Lim, Tomoya Nishiwaki, Kawajiri Shunzo</i>
		<b>Poster 3</b> <b>N5007</b> <b>The Oil Tank Volume Calculation and Report Generation System with Trim and List Correction</b> <i>Ming-Sen Hu, Chia-Rei Tao</i>	<b>Poster 11</b> <b>SS5006</b> <b>A New Efficient Fair Secret Sharing Scheme Based on RSA</b> <i>Pei-Ju Lee, Yung-Cheng Lee</i>	<b>Poster 19</b> <b>TB5004</b> <b>Treatment of Integrated Circuit Package Alkaline Organic Wastewater by Ion Exchange</b> <i>Yan-Na Chen, Xiao-Ou Ma, Wei Yang</i>
		<b>Poster 4</b> <b>SV5005</b> <b>The Study on Chip Arrangement and Resistance of Power LED Modules</b> <i>Chien-Ping Wang</i>	<b>Poster 12</b> <b>ST5005</b> <b>Development of an Automatic Voltage Regulator for Uninterruptable Power Supplies</b> <i>Ming-Hung Chen</i>	<b>Poster 20</b> <b>TB5016</b> <b>Ecotourism: A study on Environmental Behavior of Visitors to Agricultural Leisure Farms in Taiwan</b> <i>Seng-Su Tsang, Wen-Cheng Wang</i>
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		SI5021 Seismic Modelling and Analysis of Masonry Stone Pagoda Structure <i>Ho-Soo Kim, Jin-Ho Kim</i>	SJ5008 Nuclear Physical Methods of Earthquake Forecasting <i>Ramizulla A. Muminov, Amir Abidov, Bunyod Allabergenov, S.A. Radjapov, A. Maqsudov, Yo.K. Toshmurodov, Sungjin Kim</i>	SL5012 Distribution Substation Using CDMA Technique on Power Line Communication for Smart Grid <i>Ching-Chuan Tseng, Li Wang, Chih-Hung Kuo</i>
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		SI5022 Analysis of Time-dependent Horizontal Deviation from Verticality of High Rise Building Induced by Differential Shortenings of Vertical Members <i>Taehun Ha, Sangdae Kim, and Sungho Lee</i>	SJ5009 Application of the Newly Proposed Jacket-based Anchorage to the Strengthening of RC Beams with External Tendons <i>Sungnam Hong, Sun-Kyu Park</i>	SM5003 Bearing Performance Degradation Assessment by Orthogonal Local Preserving Projection and Continuous Hidden Markov Model <i>Tao Liu, Xin Wu, Yu Guo, Chang Liu</i>
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		SI5023 Convergence of Fracture Process Zone Size in Cohesive Zone Modeling <i>Hyunil Baek, Kyungsu Ha, Kyoungsoo Park</i>	SJ5010 Effect of Prestress Levels and Jacking Methods on Friction Losses in Curved Prestressed Tendon <i>Sungnam Hong, Sun-Kyu Park</i>	O5006 An Development and Application of Maintainability Evaluation System Using Immersive VR <i>Wang Meihui, Li Yongxiang, Lv Chuan</i>
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		SI5024 Dynamically Determining the Toll Booth Capacity by Monitoring Approaching Traffic Conditions in Real-Time <i>Cheolsun Kim, Dong-Kyu Kim, Seung-Young Kho, Seungmo Kang, Koohong Chung</i>	SJ5017 Implement an Essential Embedded Facial Recognition System <i>Yan-Ming Li, Ching-Min Lee</i>	SM5008 Study of Laser Displacement Measurement Data Abnormal Correction Algorithm <i>Zeguang Yi, Nan Pan, Xing Wu, Yu Guo</i>
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SI5026 Modeling of RC Shear Walls Using Shear Spring and Fiber Elements for Seismic Performance Assessment <i>Seong-Hoon Jeong, Won-Seok Jang</i>	SK5015 Maintainability Analysis and Assessment of Flexible Cables Based on DELMIA <i>Meixia Tu, Chuan Lv, Dong Zhou, Meihui Wang</i>	SF5003 Optical and Electrical Properties of GZO/Ti/GZO Multilayer Films Deposited on Flexible Substrate <i>Tao-Hsing Chen, Chia-Ching Chiang and Ting-You Chen</i>		
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SI5027 Components of Compression Lap Splice Resistances in High-Strength Concrete <i>Taehun Ha, Sungho Lee, Sung Chul Chun</i>	SL5009 Development of Intelligent Control Technique for Smart House System <i>Cong-Hui Huang, Ming-Rong Lee, Zhao-Jia Yang, Wei-Hao Su, Cheng-You Wang</i>			
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SI5028 Cyclic Testing of Reinforced Concrete Columns with Double or One-Side Headed Shear Reinforcement <i>Sungho Lee, Taehun Ha, Sung Chul Chun</i>	SL5010 Enhanced Particle Swarm Optimization for Solving Optimal Unit Commitment with Carbon Trading <i>Cong-Hui Huang, Heng-Yau Pan, Xin-Rong Qiu, Yu-Tang Su, Wei-Jie Zhou</i>			



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		<b>N5005</b> Using Evolutionary Computation based Approach to Optimize the Confounding Control through Big Claim Data <i>Ta-Cheng Chen, Chien-Chang Lee, Tai-Wei Chiang, Yi-Che Lee</i>	<b>J5024</b> Tool Analysis in Multistage Cold Forging of Special Shaped Nuts <i>Shao-Yi Hsia, Chen-Chung Chang and Yu-Tuan Chou</i>	<b>K5005</b> The Preparation and the Tumor Suppression Effects of A Temperature-Sensitive 17-AAG Incorporated Magnetoliposome on Ovarian Cancer Cells in Vitro and in Vivo <i>XiHui Wang, Rui Yang, Qiusha Tang, FengQin Miao, MengFei Li, Yong Han, YanLi An, Daozhen Chen, Fang Fang, Rong Chen</i>
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		<b>SM5007</b> Active Suspension Control for Vehicle Systems with Prescribed Performance <i>Yingbo Huang, Guan-Bin Gao, Jing Na, Xing Wu, Yu Guo</i>	<b>J5037</b> Hole-Flange Forming of High-Strength Steels Sheet by Using One-Step Press-Forging Method <i>Fang-Sung Cheng, Sin-Wei Shen, Jian-Hong Dong</i>	<b>C5003</b> Three Phase Current Reconstruction of PMSM Drives Using a Single DC-link Current Sensor <i>Cheng-Yu Hsieh, Wen-Chun Chi, Ming-Yang Cheng, Wei-Liang Kuo,</i>
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<b>SH5003</b> A Reliable Data Collection Scheme with Efficiency Considerations for Power Monitoring Systems <i>Shih-Sung Lin, Chien-Wu Lan, Ping-Nan Chen, Ya-Hui Wu</i>	<b>B5001</b> Design of a Bionic-inspired Exoskeleton Robot for Lower Limb Assist <i>Yun-Ping Sun, Shuo-Ching Chen, Yen-Chu Liang, Lung-Nan Wu</i>			
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<b>G5008</b> Transient Simulation on the Resonant and Focusing of the Shock Wave in an Opposed-piston Engine <i>Uzu-Kuei Hsu, Chang-Hsien Tai, Ching-Chang Lai</i>	<b>K5001</b> Method of Inorganic/Organic Hybrid Thin-Film Encapsulation for Organic Light Emitting Diodes <i>Hui-Ying Li, Yu Duan</i>			

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