

**Session A1**

Date	Time	<p style="text-align: center;"><b>Lawana Meeting Room</b>  <b>E. Chemical &amp; Biomedical Engineering I. Control Engineering J. Mechanical Engineering</b>  <i>Prof. Chih-Min Lin, Session Chair</i></p>
<b>26<sup>th</sup> June (Mon.)</b>	08:00~08:12	<p><b>CE7011</b>  <b>Concentration and Purification of Detection Target in a Small Area for Improving the Sensitivity of Bio-detection</b>  <i>I-Fang Cheng, Tzu-Ying Chen</i></p>
	08:12~08:24	<p><b>CJ7002</b>  <b>A Study on Aluminum Pad Large Deformation during Copper Wirebonding for High Power IC Package</b>  <i>Hsiang-Chen Hsu, Shaw-Yuan Wang and Li-Ming Chu</i></p>
	08:24~08:36	<p><b>CJ7003</b>  <b>The Nonlocal Effects of a Micro/Nanobeam Determined by the Shifts of Resonant Frequencies</b>  <i>Yun Liu, Yin Zhang</i></p>
	08:36~08:48	<p><b>CJ7011</b>  <b>A Designed Enclosure Unit for Loop-Mediated Isothermal Amplification</b>  <i>Arayan Wongniyom, Jyh Jian Chen</i></p>
	08:48~09:00	<p><b>CJ7012</b>  <b>Study of Alloy Springs with Magnetorheological Dampers for Vibration Isolator Device</b>  <i>Dyi-Cheng Chen, Li-Ren Chen</i></p>
	09:00~09:12	<p><b>CJ7013</b>  <b>Efficacy of Nanocutting Fluids in Machining- An Experimental Investigation</b>  <i>Vamsi Krishna Pasam, Padmini Rapeti, Surendra Babu Battula</i></p>
	09:12~09:24	<p><b>CJ7015</b>  <b>Visualization of Thermal Transport in 2-D Complex Solid Geometries with Discretely Heated Bottom Wall</b>  <i>Narasimha Suri Tinnaluri, Jaya Krishna Devanuri</i></p>
	09:24~09:36	<p><b>CJ7016</b>  <b>An Investigation into the Use of Heuristics for Parameter Estimation of Truncated and Censored Failure Time Data</b>  <i>Chanan S. Syan, Geeta Ramsoobag</i></p>
	09:36~09:48	<p><b>CJ7018</b>  <b>Ball Nut Preload Diagnosis of the Hollow Ball Screw through Support Vector Machine</b>  <i>Yi-Cheng Huang, Jing-Hong Zheng</i></p>
	09:48~10:00	<p><b>CI7001</b>  <b>Intelligent Wireless Remote Control System Design for a Biped Robot</b>  <i>Chih-Hsuan Chen, Chih-Min Lin</i></p>

**Session A2**

Date	Time	<p style="text-align: center;"><b>Lawana Meeting Room 2</b></p> <p><b>F. Computer &amp; Information Engineering, H. Industry 4.0 &amp; Automation Engineering, M. Innovation Management, SCA. Recent Innovations in Wireless Sensor Network, SCD. Smart Systems and Intelligent Applications for Internet of Things (IoTs)</b></p> <p><i>Prof. Ching-Shoei Chiang, Session Chair</i></p>
<b>26<sup>th</sup> June (Mon.)</b>	10:15~10:27	<p><b>CF7004</b>  <b>Dynamic Biometric Signature – An Effective Alternative for Electronic Authentication</b>  <i>Vladimír Smejkal, Jindřich Kodl</i></p>
	10:27~10:39	<p><b>CF7005</b>  <b>Reversible Data Hiding over Facebook</b>  <i>Ran Lyu, Jiantao Zhou, Weiwei Sun and Li Dong</i></p>
	10:39~10:51	<p><b>CF7008</b>  <b>The Area Construction Algorithms from Tangent Circles</b>  <i>Ching-Shoei Chiang, Hung-Chieh Li</i></p>
	10:51~11:03	<p><b>CF7016</b>  <b>A Development of Heart Rate and Blood Pressure Measurement on Android Platform</b>  <i>Sasivimon Sukaphat, Chatmongkol Wongake, Denpoom Somkwamkid, Panuwat Dounglomchan, Sirinoot Teanrungrroj</i></p>
	11:03~11:15	<p><b>CH7001</b>  <b>Open Core Engineering on Bosch Rexroth PLC with Modular Mechatronics System (mMs)</b>  <i>Narong Aphiratsakun, Jerapong Rojanarowan, Monthon Phengphien</i></p>
	11:15~11:27	<p><b>CH7002</b>  <b>Impacts of Industry 4.0 on Assembly Line Balancing</b>  <i>Jia-Ge Huo, Felix T.S. Chan, S.H. Chung, Carman K.M. Lee, Jan Ola Strandhagen</i></p>
	11:27~11:39	<p><b>CM7004</b>  <b>Using System Dynamics to Explore the Impacts of Social Media upon Consumer Purchase Behavior</b>  <i>Yu-An Chen, Hen-Yi Jen</i></p>
	11:39~11:51	<p><b>SCA7002</b>  <b>Alternative Path Scheme for Hot Spot Avoidance in Wireless Body Area Networks</b>  <i>Beom-Su Kim, Ki-Il Kim</i></p>
	11:51~12:03	<p><b>SCD7001</b>  <b>Customized Mask System</b>  <i>Yu-Ping Liao, Ruei-Chang Lu, Sheng-Ying Wu, Po-Chiao Hsu</i></p>
	12:03~12:15	<p><b>SCD7003</b>  <b>A Role Base Digital Guide System- the Case Studies of the Lee’s House APP</b>  <i>Wen Yen Lin, Hsing-Chung Chen, Wei-Chen Tai</i></p>

**Session A3**

Date	Time	<p style="text-align: center;"><b>Lawana Meeting Room</b></p> <p><b>O. Other Engineering and Technology related Topics</b>  <i>Prof. Leszek R. Jaroszewicz, Session Chair</i></p>
<b>27<sup>th</sup> June (Tue.)</b>	08:00~08:12	<p><b>CO7003</b>  <b>Innovative Fiber-Optic Sensor for Rotational Seismology</b>  <i>Leszek R. Jaroszewicz, Anna Kurzych, Zbigniew Krajewski, Pawel Marć,                      Jerzy K. Kowalski</i></p>
	08:12~08:24	<p><b>CO7007</b>  <b>A Novel Stretch Sensor to Measure Venous Hemodynamics</b>  <i>Syrpailyne Wankhar, Albert A Kota, Dheepak Selvaraj</i></p>
	08:24~08:36	<p><b>CO7008</b>  <b>Applying Flexsim Simulation Software to Identify the Bottlenecks of Precision Locknuts Manufacturing Processes</b>  <i>Li-Man Liao, Ching-Jen Huang, Yi-Xiu Lin, Yan-Ting Lin</i></p>
	08:36~08:48	<p><b>CO7015</b>  <b>Evaluation for TV Channel Switching Interface of Smart Phones</b>  <i>Jeih-Jang Liou, Yi-Hua Lan</i></p>
	08:48~09:00	<p><b>CO7016</b>  <b>Solving a Simultaneous Scheduling Problem with a Quantile-Based Optimization Approach</b>  <i>Tzu-Li Chen, James C. Chen, Wei-Lun Hu</i></p>
	09:00~09:12	<p><b>CO7017</b>  <b>Combine Quick Changeover Technique with Other Lean Methods for Lean Healthcare Management</b>  <i>Tzu-Li Chen, James C. Chen, Dao-Liang Wang</i></p>
	09:12~09:24	<p><b>CO7018</b>  <b>A Three-phase Optimization Method for Quantile-based Stochastic Resource Allocation Problems</b>  <i>James C. Chen, Wen-Teng Wang, Min-Bin Lin, Tzu-Li Chen</i></p>
	09:24~09:36	<p><b>CO7019</b>  <b>Using Two-Stage Genetic Algorithm for Load Balancing among Photolithography Machines with Variable Lot Splitting Restriction</b>  <i>Tzu-Li Chen, James C. Chen, Hsiao-Ching Hung</i></p>
	09:36~09:48	<p><b>CO7020</b>  <b>Two Stage Genetic Algorithm for Disassembly Line Balancing Problems with Task Precedence Diagram Constructing Using an AND/OR Graph</b>  <i>Yin-Yann Chen, James C. Chen, Yu-Chia Yang</i></p>
	09:48~10:00	<p><b>CO7023</b>  <b>Applying Project Management Perspective for ERP Implementation: A Case Study</b>  <i>Li-Man Liao, Ching-Jen Huang, Xiang-Yu Lin</i></p>

**Session B3**

Date	Time	<p style="text-align: center;"><b>Lawana Meeting Room 2</b></p> <p><b>A. Materials Engineering, E. Chemical &amp; Biomedical Engineering, J. Mechanical Engineering, SCB. Structural Health Monitoring</b> <i>Prof. Jesse J. French, Session Chair</i></p>
<b>27<sup>th</sup> June (Tue.)</b>	08:00~08:12	<p><b>CA7001</b> <b>Real time analysis of hydroxypropyl methylcellulose green lubricant by spectroscopy technique</b> <i>Shih-Chen Shi, Jhen-Yu Wu, Feng-Feng Huang</i></p>
	08:12~08:24	<p><b>CA7002</b> <b>High-Temperature Fracture Toughness Modeling of a Brittle Coating/Ductile Substrate System</b> <i>Rong Liu, Yichen Gu, Kuiying Chen</i></p>
	08:24~08:36	<p><b>CA7003</b> <b>The Thermoelectric Properties of Ag Doped on Pb18Sb5Te20 Matrix by Different Annealing Temperatures</b> <i>Tao-Hsing Chen, Ming-Tai Hong, Siang-An Tsai</i></p>
	08:36~08:48	<p><b>CA7006</b> <b>Evaluation of Infill Effect on Mechanical Properties of Consumer 3D Printing Materials</b> <i>Gabriel A. Johnson, Jesse J. French</i></p>
	08:48~09:00	<p><b>CE7008</b> <b>Coal Fired Power Plant with Chemical Looping Combustion</b> <i>Surywanshi Gajanan Dattarao, Venkata Suresh Patnaikuni</i></p>
	09:00~09:12	<p><b>CA7016</b> <b>Fabrication and Characterization of Self-healing Systems for GFRP Composites</b> <i>Paulina Chabera, Rafał Kozera, Anna Boczkowska</i></p>
	09:12~09:24	<p><b>CA7018</b> <b>Effect of CNT-doped Veils on CFRP Properties</b> <i>Kamil Dydek, Paulina Latko-Duralek, Anna Boczkowska</i></p>
	09:24~09:36	<p><b>CA7020</b> <b>The Recycling Strategy for the Electric Arc Furnace Steelmaking Slag</b> <i>Ching-Jung Chang, Fang-Ming Hsu, Chu-San Wang</i></p>
	09:36~09:48	<p><b>CJ7014</b> <b>Electric Discharge Deposition (EDD) – A Non-Conventional Micro Deposition Method</b> <i>Kanmani Subbu S., Bhim Singh, Roshan Sasi</i></p>
	09:48~10:00	<p><b>SCB7004</b> <b>Tunnel Monitoring System Qualification for an Underground Radioactive Waste Disposal</b> <i>Radwan Farhoud, Nicolas Gilardi, Sylvie Delepine-Lesoille, Guillaume Hermand, Jad Zghondi</i></p>

**Session A4**

Date	Time	<p style="text-align: center;"><b>Lawana Meeting Room</b>  <b>B. Mechatronic and Robotics Engineering, C. Electrical &amp; Electronic Engineering, D. Optical Engineering, J. Mechanical Engineering, O. Other Engineering and Technology related Topics</b>  <i>Prof. Mietek Bakowski, Session Chair</i></p>
<b>27<sup>th</sup> June (Tue.)</b>	10:15~10:27	<p><b>CB7001</b>  <b>Real-Time Detection and 3D Object Tracking with RGB-D Sensor</b>  <i>JianXu Wang, Y. Guo, D. Su, Y. Li, Z. Shao</i></p>
	10:27~10:39	<p><b>CB7004</b>  <b>Point-Structured Human Body Modeling based on 3D Scan Data</b>  <i>Ming J. Tsai, Hsueh Y. Lung</i></p>
	10:39~10:51	<p><b>CC7009</b>  <b>Pumped-Storage Scheduling Using Glowworm Swarm Algorithm</b>  <i>Po-Hung Chen, Chun-Yao Lee, Horng-Lin Shieh</i></p>
	10:51~11:03	<p><b>CC7013</b>  <b>GaN-on-SiC HEMT RF Power Amplifiers - Reliability Study</b>  <i>Mietek Bakowski, Jenny Lang, Jang-Kwon Lim, Johan Hellén, Thorbjörn M. J. Nilsson, Bo Schodt, Ralf Poder, Ilja Belov, Peter Leisner</i></p>
	11:03~11:15	<p><b>CD7002</b>  <b>Optical Fiber Photopolymer Transducer for Sensor Application</b>  <i>Paweł Marć, Monika Chruściel, Michał Dudek, Paulina Pura-Pawlikowska, Renata Wonko, Leszek R. Jaroszewicz</i></p>
	11:15~11:27	<p><b>CD7003</b>  <b>The Design and Implementation of Scrambling Wavelength Hopping with AWG Router and Optical Switch over Secure WDM Network</b>  <i>Yao-Tang Chang, Hsu-Chih Cheng, Yih-Chuan Lin, Yu-Xiang Zheng</i></p>
	11:27~11:39	<p><b>CJ7001</b>  <b>A Comparison of Automotive Waste Heat Recovery Systems</b>  <i>Madhusudan Raghavan, Yongsheng He</i></p>
	11:39~11:51	<p><b>CO7013</b>  <b>A Method for Removing Ink from PETG Foil</b>  <i>Kamil Dydek, Agata Domańska, Paulina Latko-Duralek, Rafał Kozera, Paulina Chabera, Anna Boczkowska</i></p>
	11:51~12:03	<p><b>CO7021</b>  <b>Improved Genetic Algorithm to Solve Multi-Model Assembly Line Balancing Problem in TFT-LCD Module Process</b>  <i>James C. Chen, Yin-Yann Chen, Yi-Hsin Kuo</i></p>
	12:03~12:15	<p><b>CO7022</b>  <b>Preliminary Study on a System for Visualization of Big Data in SMEs</b>  <i>Yasuo Uchida, Miao Xinyun, Seigo Matsuno, Yasushi Iha, Makoto Sakamoto</i></p>

**Session B4**

Date	Time	Lawana Meeting Room 2 E. Chemical & Biomedical Engineering, G. Green Technology & Civil Engineering, J. Mechanical Engineering, L. Environmental, Food, Health Science & Technology, O. Other Engineering and Technology related Topics <i>Prof. Josef Machacek, Session Chair</i>
27 <sup>th</sup> June (Tue.)	10:15~10:27	<b>CG7001</b> <b>Single-Crossarm Stainless Steel Stayed Columns</b> <i>Radek Pichal, Josef Machacek</i>
	10:27~10:39	<b>CG7003</b> <b>Applications of Thermal Images for Monitoring Surficial Temperature Changes of Naked Slope</b> <i>Chien-Yuan Chen, Zhe-Hao Liu</i>
	10:39~10:51	<b>CG7006</b> <b>Design and Testing of a Remote Deployable Water Purification System Powered by Solar Energy</b> <i>Amber E. Keith, Jesse J. French</i>
	10:51~11:03	<b>CG7007</b> <b>Design and Analysis of a Water Channel for Characterization of Low Reynolds Number Flows</b> <i>Judah D. Rutledge, Jesse J. French</i>
	11:03~11:15	<b>CG7011</b> <b>Long-term Structural Performance of Simplified Slab System with Steel Deck-plate and SFRC</b> <i>Geonho Hong, Seungkoo Hwang</i>
	11:15~11:27	<b>CL7002</b> <b>The Influence of Density of the Materials and Body Mass Index on The Elderly's Sleep Efficiency</b> <i>Wichan Torobrum, Nandh Thavarungkul, Preecha Termsuksawad, Nakorn Srisukhumbowornchai, Purit Thanakijkasem</i>
	11:27~11:39	<b>CL7004</b> <b>A GI Proposal to Display ECG Digital Signals Wirelessly Real-time Transmitted onto a Remote PC</b> <i>Marius-Corneliu Rosu, Hamed Yassin-Kassab, Adriana Iliesiu, Serban Georgica Obreja</i>
	11:39~11:51	<b>CL7006</b> <b>Keeping Piglets Comfort with Hot Water by Biogas Combustion under Controllable Ventilation</b> <i>Cheng-Chang Lien, Ching-Hua Ting</i>
	11:51~12:03	<b>CL7009</b> <b>Energy-effective Predictive Temperature Control for Soy Mash Fermentation based on Compartmental Pharmacokinetic Modelling</b> <i>Ching-Hua Ting, Chien-Ping Wu, Yung-Tsong Lu, Sophia Ferng, Cheng-Kuang Hsu, Robin Yih-Yuan Chiou</i>
	12:03~12:15	<b>CE7009</b> <b>Simulation Study of Direct Methanol Fuel Cell for Optimizing the Cell Performance</b> <i>Murali M Seepana, Nitin T, Aruna Pagidi</i>

Poster I

Date	Time	No.	Foyer
26 <sup>th</sup> June (Mon.)	08:00   10:00	1	<b>CA7010</b> <b>Improving Cycling Performance and Thermal Properties of Zirconium Doped Li[Ni<sub>0.8</sub>Co<sub>0.2-x</sub>Zr<sub>x</sub>]O<sub>2</sub></b> <i>Yong-Cheon Hong, Min-Gyeom Kim, Ji-Woong Shin, Seon-Jin Lee, Jin-Ju Bae, Mi-Ra Shin, Ji-Hyun Song, Kyoung-Tae Kim, Sang-Yub Park, Jong-Tae Son, Tae-Hwan Hong</i>
		2	<b>CA7015</b> <b>The Microstructure and Electrical Properties of Co<sub>60</sub>Fe<sub>20</sub>V<sub>20</sub> Thin Films</b> <i>Song-Sing Fu, Yi-Jyun Zou, Yuan-Tsung Chen, Che-Wei Lee</i>
		3	<b>CA7019</b> <b>Studies in Different Carbon-based and Plasma Technology to Prepare Lithium Iron Phosphate Cathode Material</b> <i>Chen-Huan Chiu, Ching-Shang Cheng, Yomg-Sing Liou</i>
		4	<b>CA7021</b> <b>Single Walled Carbon Nanotube Reinforced Metal Matrix Composites</b> <i>Hansang Kwon, Kwangjae Park, Jehong Park, Sungwook Joo, Sanghwui Hong, Jihun Mun, Marc Leparoux</i>
		5	<b>CA7022</b> <b>Phosphor-metal Composite for High-power Laser Lighting</b> <i>Jehong Park, Kwangjae Park, Hansang Kwon, Sungwook Joo, Sanghwui Hong, Jihun Mun, Marc Leparoux</i>
		6	<b>CB7002</b> <b>An Innovative and Automated Measurement System for Checking Irradiation Non-uniformity of Solar Simulators</b> <i>Chen-Huei Hsieh, Cheng-Ting Hsiao</i>
		7	<b>CC7001</b> <b>A PV Module Model Based Emulator and Design of Converter for a Distribution DC Microgrid within the PV Module Model</b> <i>Hong-Chan Chang, Cheng-Chien Kuo, Fu-Hsien Chen</i>
		8	<b>CC7003</b> <b>Developing Electrical Workers' Competency in Explosive Atmospheres</b> <i>Tsung-Chih Wu, Chi-Hsiang Chen, Mieko kumasaki, Ping-Feng Chen, Shan-Chi Yu</i>
		9	<b>CC7012</b> <b>Design and Implementation of Battery Balancing System</b> <i>Ci-Min Lai, Chia-Jui Shih, Liang-Rui Chen</i>
		10	<b>CC7008</b> <b>International Flipped Class for Chinese Honors Bachelor Students in the Frame of Multidisciplinary Fields: Reliability and Microelectronics</b> <i>Olivier Bonnaud, Yves Danto, Yinghui Kuang, Li Yuan</i>

Poster I (Continued)

Date	Time	No.	Foyer
26 <sup>th</sup> June (Mon.)	08:00   10:00	11	<b>CD7004</b> <b>Optical Steganography on Stealth CDMA Signals Transmitted over Public BPSK Channel</b> <i>Chih-Ta Yen, Jen-Fa Huang, Wen-Zong Zhang</i>
		12	<b>CE7001</b> <b>Preparation of Acetyl Tripentyl Citrate by Acetylation of Tripentyl Citrate with Acetic Anhydride over a Methanesulphonic Acid Catalyst</b> <i>Kyong-Hwan Chung, Hangun Kim, Ho-Jong Lee, Daeock Choi, Sang-Chul Jung</i>
		13	<b>CE7003</b> <b>Prediction Primary Available Blend Biodiesel of Waste Oil from <i>Aurantiochytrium</i> sp. for General Diesel Engines</b> <i>Shu-Yao Tsai, Hsiang-Yu Lin, Guan-Yi Lu, Chun-Ping Lin</i>
		14	<b>CE7004</b> <b>An Adequate Chamfer Angle of the Acetabular Cup Liner Can Significantly Increase Dislocation Torque and Decrease Contact Stress on the Liner Rim</b> <i>Jian-Horng Chen, Wei-Min Chi, Chien-Chung Lin, Hsiao-Che Lin</i>
		15	<b>CF7002</b> <b>A ZigBee-Based 1-to-N Bluetooth Transmission Control Support Platform</b> <i>Sheng-Yuan Yang, Chia-Hao Shih</i>
		16	<b>CF7003</b> <b>Design of Intelligent Real-time Power-Consumption Detecting Platform</b> <i>Wei-Bin Wu, Cheng-Chien Kuo, Chun-Liang Hsu</i>



**Poster II**

Date	Time	No.	Foyer
26 <sup>th</sup> June (Mon.)	10:15   12:15	1	<b>CF7014</b> <b>Development of Recommendation System Based on Consumer Review Using Opinion Mining</b> <i>Youdong Yun, Kuekyeng Kim, Yeongwook Yang, Heuiseok Lim</i>
		2	<b>CF7015</b> <b>On the Effect of Activation Functions on Neural Network Model Training</b> <i>Chanhee Lee, HeuiSeok Lim</i>
		3	<b>CG7002</b> <b>Traffic Safety Evaluation based on Vision and Signal Timing Data</b> <i>Wonho Suh, Jinwoo Park</i>
		4	<b>CG7012</b> <b>Causal Relationships among Factors Affecting the Buildability in Executing Construction Projects in Vietnam</b> <i>Hai Pham, Soo-Yong Kim, Truong-Van Luu, Phu-Son Lam</i>
		5	<b>CG7014</b> <b>Application of Serious Game Model on Simulation Training for Decision Makings of Project Management</b> <i>Hung-Ming Chen, Kai-Wei Wei</i>
		6	<b>CH7003</b> <b>An Intelligent Manufacturing System for Injection Molding</b> <i>Wen-Chin Chen, Manh-Hung Nguyen, Pei-Hao Tai</i>
		7	<b>CI7002</b> <b>Improving Activated Sludge Wastewater Treatment Process Efficiency Using Predictive Control</b> <i>Ioana Nascu, Ioan Nascu</i>
		8	<b>CJ7004</b> <b>The Innovative Design of the Massage Mechanisms for Massage Chair</b> <i>Tzu-Hsia Chen, Long-Chang Hsieh</i>
		9	<b>CJ7005</b> <b>Angular Velocity Analysis of an Epicyclic Gear Train using Fundamental Circuits and a Block Diagram</b> <i>Yi-Chang Wu, Mi-Ching Tsai</i>
		10	<b>CJ7007</b> <b>The Effects of Multilayer Injection Molding on the Profile Accuracy of High-Thickness Convex Lens</b> <i>Shih-Chih Nian, Ming-Shyan Huang, Po-Wen Chen</i>

**Poster II (Continued)**

Date	Time	No.	Foyer
26 <sup>th</sup> June (Mon.)	10:15   12:15	11	<b>CJ7010</b> <b>Roll Forming of Al7075 Sheet Alloy for an Automotive Bumper Beam</b> <i>Jongsup Lee, Sang-Kyo Lee, Jung-Han Song, Geun-Ho Kim</i>
		12	<b>CJ7017</b> <b>Flowfield Analysis of a Pneumatic Solenoid Valve</b> <i>Sheam-Chyun Lin, Yu-Ming Lin, Yu-Song Haung, Cheng-Liang Yao, Bo-Syuan Jian</i>
		13	<b>CJ7019</b> <b>The Development of a New Paper Pallet Machine</b> <i>Chi-Wei Chen</i>
		14	<b>CJ7020</b> <b>Numerical and Empiric Analysis of Fluid V-Blocks for to Determine Design Factors and Observe Hardness Changes after Electrolytic Polishing</b> <i>Chang-Woo Son, Tae-Il Seo, Young-Ju Jang</i>
		15	<b>CK7002</b> <b>Microquantitation of Prostate-Specific Antigen by using Antibody-Conjugated Magnetic Microsphere Beads</b> <i>Mijin Lee, So-Yeon Park, Sang-Chul Jung, Hangun Kim</i>
		16	<b>CL7003</b> <b>The Study of Tibicos Fermentation Product as Pilot Model of Healthy Drinks</b> <i>Hsiao-Han Liu, Bo-Shun Tu, Yew-Loom Chen, Heng-Long Wang</i>

Poster III

Date	Time	No.	Foyer
27 <sup>th</sup> June (Tue.)	08:00   10:00	1	<b>CL7007</b> <b>Autologous Adipose-Derived Stem Cells (ADSCs) Transplantation and Oral EGCG Administration Co-treatments Improve Cardiac Functions in Type I Diabetic Rats Induced by STZ</b> <i>Tung-Sheng Chen, Shou-Ying Chuang, Meng-Yu Hung, Wei-Wan Kuo, Chih-Yang Huang</i>
		2	<b>CL7008</b> <b>Glycation End products (AGEs) -induced Cardiomyocytes Apoptosis by Targeting ROS-mediated PKC<math>\delta</math> Activation</b> <i>Ren-Yu Xeng, Chih-Yang Huang, Wei-Wen Kuo</i>
		3	<b>CN7001</b> <b>Robust Algorithms for Regression Analysis based on Fuzzy Objective Functions</b> <i>Tai-Ning Yang, Chih-Jen Lee, Jenn-Dong Sun, Chun-Jung Chen</i>
		4	<b>CN7002</b> <b>Fuzzy Membership Function with Periodicity</b> <i>Takashi Mitsuishi, Koji Saigusa</i>
		5	<b>CO7004</b> <b>Developing an Intelligent Agent-based Approach to Resolve Scheduling Problems for Hybrid Flowshop</b> <i>Ching-Jen Huang, Li-Man Liao</i>
		6	<b>CO7005</b> <b>On the Analysis of Product Appropriateness Principles</b> <i>Nien-Te Liu, Yu-Fen Wu</i>
		7	<b>CA7017</b> <b>Flow Analysis of Underwater Water Jet System using Computational Fluid Dynamics(CFD) and Particle Image Velocimetry(PIV)</b> <i>Je-Doo Ryu, Kyoung-Nam Ha, Dong-Gu Lee, Keon-Seok Nam</i>
		8	<b>CM7002</b> <b>Analysis of the Correlation Between the Support Performance of Supported Business for the Regional Industry</b> <i>Dong-Gu Lee, Je-Doo Ryu, Keon-Seok Nam, Kyoung-Nam Ha</i>
		9	<b>CF7018</b> <b>Projecting the Mental Model of Social Networking Site Usage</b> <i>Chun-Hui Wu, Yih-Her Yan, Kuen-Ming Shu, Han-Zong Chen</i>
		10	<b>CJ7021</b> <b>Laser Sintering of Metal Powder</b> <i>Kuen-Ming Shu, Yih-Her Yan, Jian-Wen Huang</i>

**Poster III (Continued)**

Date	Time	No.	Foyer
27 <sup>th</sup> June (Tue.)	08:00   10:00	11	<b>SCB7006</b> <b>Application of an Extension Method for Fault Diagnosis and Tolerant Control of Three-Level Neutral Point Clamped DC-AC Power Converters</b> <i>Kuei-Hsiang Chao, Chen-Hou Ke</i>
		12	<b>CF7011</b> <b>A Study on the Use of the Wearable Device for Hand Gesture Recognition and Hand Gesture-Based Identity Authentication</b> <i>Ing-Jr Ding, Rui-Zhi Lin</i>
		13	<b>CE7006</b> <b>Design, Synthesis and Biological Evaluation of Novel Rosamine Derivatives as Inhibitor of Tau Aggregation</b> <i>Young-Hyun Yu, Yun Kyung Kim, Hyung-Ho Ha</i>
		14	<b>CD7001</b> <b>Innovative Security Technology for Optical Fiber Data Transmission Using Optical Vortex</b> <i>Marek Życzkowski, Konrad Dominik Brewczyński, Mateusz Karol</i>
		15	<b>CC7014</b> <b>Using a CCL to Enhance Color Stability of White Organic Light-Emitting Diodes</b> <i>Shui-Hsiang Su, Zhangde Xie, I-Jou Hsieh, Meiso Yokoyama</i>
		16	<b>CK7003</b> <b>Molecular-dynamic Investigations of Physical Characteristics in Laser Powder Bed Fusion Additive Manufacturing Process of Nanoscopic Copper Powders under Different Conditions</b> <i>Chi-Wen Yang, Kuei-Shu Hsu, Yu-Heng Lai, Yu-Sheng Lin, Jian-Ming Lu, Tsun-Lirng Yang, Ming-Hsiao Lee</i>