

Poster I

Date	Time	No.	1F Hallway
29 th Oct. (Sat.)	08:30 09:20	1	A6001- Effect of Sintering Time on Microwave Dielectric Properties of Ba₂La₂ZnW₂O₁₂ Ceramics <i>Yih-Chien Chen, Min-Zhe Weng, and Yu-Cheng You</i>
		2	A6002- Influence of Sputtering Temperature on Optical and Electrical Properties of Indium Tin Oxide Films <i>Shiuh-Chuan Her, Chun-Fu Chang</i>
		3	A6015- The wear resistance of cryogenically treated diamond-like carbon films <i>Lee-Long Han, Chun-Ming Lin and Yih-Shiun Shih</i>
		4	A6019- Mechanical and antiwear properties of CrTiSiN composite coatings synthesized by a cathodic arc deposition process <i>T.S. Yang, Y.Y. Chang, J.H. Deng and S.Y. Chang</i>
		5	B6001- Structural parameter identification for 6 DOF industrial robots <i>Guan-Bin Gao, Guo-Qing Sun, Jing Na, Yu Guo, Xing Wu</i>
		6	B6002- Kinematics and Workspace Analysis of a 3-DOF Parallel Mechanism with Parallelogram Linkage <i>Hong-Jun San, Jun-Song Lei, Jun-Jie Zhao</i>
		7	B6004- Crosstalk Reduction Design of Flexible Capacitive Tactile Array Sensors <i>Chun-Lin Cheng, Pai-Hao Wu, Szu-Ju Li, and Hsing-Cheng Yu</i>
		8	C6002- Minimum Loss Control of Permanent-Magnet Synchronous Machines With the Use of Polynomial Approximations <i>Qingbo Guo, Chengming Zhang, Liyi Li, Jiangpeng Zhang and Mingyi Wang</i>
		9	C6007- Maximum Efficiency Per Torque Control of Permanent-Magnet Synchronous Machines <i>Qingbo Guo, Chengming Zhang, Liyi Li, Jiangpeng Zhang and Mingyi Wang</i>
		10	C6026- Multi-Parameter Biosignal Acquisition Integrated Circuit for Wearable Healthcare Applications <i>Hyungseup Kim, Yunjong Park, Youngwoon Ko, Yeongjin Mun, Sangmin Lee and Hyoungho Ko</i>
		11	C6032- A Flexible Electrochemical Electrode on PDMS (polydimethylsiloxane) for Glucose Detection <i>XinXin He, Ching-Shu Yen, Jen-Tsai Liu, Ching-Jung Chen</i>

Poster I (Continued)

Date	Time	No.	1F Hallway
29 th Oct. (Sat.)	08:30 09:20	12	N6001- Generalized Laguerre approximation with negative integer and its application <i>Xiao-yong Zhang</i>
		13	WB6002- Numerical modeling to analysis the abrasion of knee joint by walking pattern <i>Dae-Eun Moon, Sung-Min Kim, Hong-Seok Lim</i>
		14	D6004- The sub-micrometer resolution optical particle counter design <i>I-chih Ni, Sheau-shi Pan and Sheng-Jui Chen</i>
		15	E6001- Comfort level discussion for prosthetic sockets with different fabricating processing conditions <i>Cheung-Hwa Hsu, Chao-Hui Ou, Wei-Lun Hong, Yu-Han Gao</i>
		16	E6002- Life Cycle Guideline of Petrochemical Plant Underground Piping System <i>Jeng-Ywan Shih, Shen-Ying Hsiao, Ta-Peng Chang</i>
		17	E6003- Manufacture of SiO₂ Microparticles Using a Mechanically Machined and Assembled Microfluidic Device <i>Ying-Chieh Lin, Heng-Sheng Lin, Zheng-Han Hong, Zong-Hsin Liu</i>
		18	F6012- A Hybrid Approach to Nurse Re-rostering Problem <i>Saangyong Uhm, Young-Woong Ko, and Jin Kim</i>
		19	F6013- Customized products and cloud service information system development research <i>Chien-Wen Hung</i>
		20	F6024- Haptic Telepresence System for Individuals with Visual Impairments <i>Yeongil Ryu, Hyun-Joon Roh, Eun-Seok Ryu</i>
		21	F6026- Novel Video Streaming System for Three-Screen TV <i>Yeongil Ryu, Hyun-Joon Roh, Eun-Seok Ryu</i>
22	F6027- Robust UHD Video Streaming Systems Using Scalable High Efficiency Video Coding <i>Hyun-Joon Roh, Yeongil Ryu, Eun-Seok Ryu</i>		

Poster II

Date	Time	No.	1F Hallway
29 th Oct. (Sat.)	09:30	1	G6002- A study on Design of Top Flange for Modular T-girder Bridge of Applying Limit State Design <i>Jongho Park, Jinwoong Choi, Hongmyung Lee, Sun-Kyu Park, Sungnam Hong</i>
		2	G6003- Evaluation of Deflection for Precast Concrete Beam with Joint using Unit Load Method <i>Jinwoong Choi, Jongho Park, Yongjoon Jang, Sun-Kyu Park, Sungnam Hong</i>
		3	G6004- Analysis of CO2 Emission of Bending Steel Girder Type Modular Bridge according to the Material and Construction Process <i>Jinwoong Choi, Jongho Park, Chanhuyuck Jeon, Sun-Kyu Park, Sungnam Hong</i>
		4	G6006- Standardized Durability Test for Emerging Photovoltaic in Low Light Intensity Environment <i>Shu-Tsung Hsu, Yean-San Long, Teng-Chun Wu, Chia-Cheng Chou</i>
		5	G6009- Construction of Road Safety Management System by Mobile Mapping System Information <i>Kwan-Sik Min, Dooyong Cho, Hoseong Jeong</i>
	10:20	6	G6010- Direct and Flexural Shear Strength of Composite Beam with Perfobond Rib <i>Dooyong Cho, Jinwoong Choi</i>
		7	G6011- Evaluation on Surface Modified Recycled Fine Aggregate using Hydrosilico Fluoric Acid <i>Myung-Kwan Lim, Won-Jun Park</i>
		8	G6012- Properties and Relationship between Foam Volume and Fly Ash of Foam Concrete with Microfiber <i>Won-Jun Park, Myung-Kwan Lim, Dong-Uk Choi</i>
		9	G6015- Green Options for Anti-Sulfate of Slag Cement Concrete Containing Pozzolans <i>Yuan-Yuan Chen, Chien-Jou Yang</i>
		10	G6019- Mapping the Complete Bouguer Anomalies Using Satellite Marine Gravity Models in East Sea, Korea <i>Dong Ha Lee, Yong Cheol Suh and Jae Young Roh</i>
		11	G6020- KGEOID15: A New Hybrid Geoid Model in Korea <i>Dong Ha Lee and He Huang</i>

Poster II (Continued)

Date	Time	No.	1F Hallway
29 th Oct. (Sat.)	09:30 10:20	12	G6029- Experimental investigation of twin-screw expander used in low-temperature trans-critical organic Rankine cycle <i>Jen-Chieh Chang, Jui-Ching Hsieh, Yi Cheng, Ta-Wei Wang, King-Wen Huang</i>
		13	I6003- Performance Evaluation for Nonlinear/Non-Gaussian Estimation Using the Cubature Particle Filter <i>Chien-Hao Tseng, Dah-Jing Jwo and Sheng-Fuu Lin</i>
		14	I6004- An Efficient Fuzzy Control Model for Improving Supervisory Performance in Automated System <i>Cheng-Li Liu, Shiaw-Tsyur Uang, Shun-Chi Kuo</i>
		15	I6006- Roll Motion Reduction Design of Self-Tuning PID Control for Active Anti-Rolling System of Ships <i>Jhih-Jyun You and Hsing-Cheng Yu</i>
		16	J6007- A Numerical Study on a Novel Incremental Sheet Metal Bending Process <i>Zhigang Sun, Qiyang Zuo, Kai He, Wei Li, He Mao, Jiuhua Li, Hui.Xu, Qingyin Liu and Ruxu Du</i>
		17	J6010- Numerical and Experimental Study on Enhancing Performance of the Stand Fan <i>Ming-Chiou Shen, Sheam-Chyun Lin, Yu-Cheng Chen, Hao-Ru Tso, Hung-Cheng Yen</i>
		18	J6011- An Integrated CFD and Experimental Investigation on Improving the Acoustic and Cooling Performances of a High-Power Motor <i>Ming-Chiou Shen, Sheam-Chyun Lin, Chen-Min Li, Hung-Cheng Yen</i>
		19	J6012- Design of an Adaptive Knee Orthosis with High Torque-Volume-Ratio Brake <i>Yaojung Shiao, Chien-Hung Lai, Nung-Chin Kao</i>
		20	J6014- Performance Enhancement on Axial-Flow Fan by Streamlining Frame Rib <i>Sheam-Chyun Lin, Fu-Yin Wang, Hung-Cheng Yen</i>
		21	J6017- Intelligent Surface Super Finishing Using Magnetic Assistance via A Mate-Shape Electrode <i>P.S. Pa</i>
22	J6031- The Effect of Fuel Mass Fraction on the Combustion and Fluid Flow in a Sulfur Recovery Unit Thermal Reactor <i>Chun-Lang Yeh</i>		

Poster III

Date	Time	No.	1F Hallway
29 th Oct. (Sat.)	10:40 11:30	1	J6032- The Effect of Inlet Air Quantity and Inlet Oxygen Mole Fraction on the Combustion and Fluid Flow in a Sulfur Recovery Unit Thermal Reactor <i>Chun-Lang Yeh</i>
		2	J6033- Squeeze Film Characteristics of Circular Contacts at Impact Motion with Micropolar Lubricants <i>Li-Ming Chu, Jaw-Ren Lin, Po-Ying Chen, Yuh-Ping Chang, Hsiang-Chen Hsu</i>
		3	J6036- The effect of conformity on the displacement, indentation time, and contact stress during impact load in total knee replacement <i>Usman, Shyh-Chour Huang</i>
		4	J6037- The influence of medial-lateral contact pair conformity on contact stresses in total knee replacement <i>Usman, Shyh-Chour Huang</i>
		5	J6039- A Study on the Improvement of Meshing Characteristics of a Complementary Curvilinear Gear Set Generated by Complementary Rack Cutters <i>Yi-Cheng Chen, Zhi-Wei Li, Chien-Cheng Lo, Zhi-Gen Wang</i>
		6	J6042- Frequency Reliability Sensitivity Analysis for Rotor System with Random Parameters <i>Jianwei Huang, He Li, Bangchun Wen</i>
		7	J6044- The Effects of Single and Double Choke Rings on the Combustion and Fluid Flow in a SRU Thermal Reactor <i>Chun-Lang Yeh</i>
		8	J6046- Reliability analysis of random vibration transmission path systems <i>Wei Zhao, Yi-Min Zhang</i>
		9	K6002- Thickness Evaluation of Ultrathin Multiple High-k/Metal Thin Films by X-ray Reflectivity and Transmission Electron Microscope <i>Yun-San Chien, Yu-Shan Yeh, Bo-Ching He, I-Che Lee, Guo-Dung Chen, and Wei-En Fu</i>
		10	K6008- Fabrication and Characterization of Graphene/Epoxy Nanocomposites <i>Shiuh-Chuan Her, Lei-Yao Chen</i>
		11	L6011- Effectiveness of Axillary Crutch with Elastic Band and Wide Range of Armpit Pads Design <i>Yun-Hsiang Lee, Piao-Yi Chiou</i>

Poster III (Continued)

Date	Time	No.	1F Hallway
29 th Oct. (Sat.)	10:40 11:30	12	O6014- Evaluation for Counting Efficiency of Liquid-borne Particle Counter by Particle Concentration System <i>Guo-Dung Chen, Han-Fu Weng</i>
		13	L6014- Randomized Controlled Trial Testing Weight Loss and Abdominal Obesity Outcomes of Moxibustion <i>Ching-Hsiu Hsieh, Chi-Chuan Tseng and Pei-Ying Chuang</i>
		14	L6016- The Effectiveness of a New Style Fixing Dress in Patients with Cardiac Pacemaker Implantation <i>Chih-Yin Chen, Ying-Hsiang Lee, Ya-Hui Chang</i>
		15	M6002- Study on the KSFs of TTQS Introduction in International Hotels in Taiwan <i>Chen, Ying-Chang</i>
		16	M6010- The Application and Practical Benefits of "C Theory" in Project Management <i>I-Chan Kao</i>
		17	L6013- Enhancement of Anti-Skin Cancer Activities of <i>Apostichopus japonicus</i> by Low Temperature Ultrasonification Extraction <i>Nam Young Kim, Woon Yong Choi, Do Hyung Kang and Hyeon Yong Lee</i>
		18	O6018- Effect Analysis of Magnetic Saturation for a New Multi-pole Magneto-Rheological Brake <i>Yaojung Shiao, Nguyen Anh Ngoc</i>
		19	O6025- Sustainable Tourism Development Planning in Songkou Town <i>Hung-Chun Ou, Chih-Lung Yang, Shih-Ming Ou</i>
		20	O6029- A Study on the Development of the "Taiwan Project Management Competence Scale" <i>I-Chan Kao</i>
		21	O6030- A Study on the Impact of the Occupational Performance of Teachers in Adult Education Institutions on Instructional Satisfaction <i>I-Chan Kao</i>
22	SA6003- Vibration Stimulation effect on Biomechanical Variation of Lower-limb joint according to Vibration Perception Threshold <i>Ki-Young Kwak, Hui-Gyun Kim, Dong-Wook Kim</i>		

Poster IV

Date	Time	No.	1F Hallway
29 th Oct. (Sat.)	11:40 12:30	1	SA6014- The Numerical Method Study of Key Factors Identification and Parameter Optimization for Dynamic Impact of Bridge Based on Pseudo Excitation Method <i>Wentao Xu, Yongjie Chen, Xiao Xiang, Hongtao Wei</i>
		2	SA6018- Development of ground vibration prediction model for high-speed trains using artificial neural network <i>Yit-Jin Chen, Chih-Hao Liu and Chi-Jane Chen</i>
		3	SA6033- A Vibration Reduction Mechanism of Precision Stage for Laser Direct Imaging <i>Chang-hoon Seo, Yongho Jeon, Hyun Jung Kim and Moon G. Lee</i>
		4	SB6002- Corrosion inhibition of high-speed steel by HPMC derivatives as a green inhibitor <i>Chieh-Chang Su, Shih-Chen Shi</i>
		5	WE6010- Analysis of Cardiovascular Tissue Components for the Diagnosis of Coronary Vulnerable Plaque in Intravascular Ultrasound Images <i>Ju Hwan Lee, Yoo Na Hwang, Ga Young Kim, and Sung Min Kim</i>
		6	WE6011- A Novel Intensity-based Multi-level Classification Approach for Coronary Plaque Characterization in Intravascular Ultrasound Images <i>Ga Young Kim, Yoo Na Hwang, Ju Hwan Lee, Sung Min Kim</i>
		7	SB6006- The Study of the Zinc Flake Produced by Alkaline Electrolysis with Pulse <i>You-Qing Cao, Da-Yun Huang, Jian-Gui Chang, and Chao-Ming Hsu</i>
		8	SB6009- Property of electrochemical cement piles and its influence on the mechanical characteristics <i>Fei Yu, Shan-xiong Chen</i>
		9	SE6001- Research on Macro-mesoscopic Normal Dynamic Characteristics of Sliding Joint Surface <i>Li-Hua Wang, Zu Yang, Xin-Yan Yang, Chun-Feng Wang, Ya-Yu Huang, Qiang-Guo Deng</i>
		10	SE6003- Panoramic Crack Detection for Steel Beam with Structured Random Forests <i>Sen Wang, Xiao-Qin Liu, Tang-Feng Yang, Xing Wu, Wei He</i>
		11	SE6005- Research on Feature Extraction Algorithm of Rolling Bearing Fatigue Evolution Stage Based on Acoustic Emission <i>Zhi-Hai Wang, Xing Wu, Xiao-Qin Liu, Yong-Li Cao, Jin-Kui Xie</i>

Poster IV (Continued)

Date	Time	No.	1F Hallway
29 th Oct. (Sat.)	11:40 12:30	12	SZ6005- The TDOA Location Accuracy Analysis using Integrated CCGA Technique over NLOS Consideration <i>Yao-Tang Chang, Chi-Lin Wu, Hsu-Chih Cheng</i>
		13	SF6005- Efficient File Synchronization System Using Variable-length File System <i>Min-Ja Kim, Young-Woong Ko</i>
		14	SF6006- Security and Liability in Smart Mobile Environment <i>Se-Hak Chun, Young-Woong Ko</i>
		15	SF6007- Efficient File Modification Scheme by Exploiting File Fingerprint <i>Min-Ja Kim, Young-Woong Ko</i>
		16	SG6001- Experimental and Simulated Investigations of a Thin Polymer Substrate with ITO Coatings under Fatigue Bending Loadings <i>Jiong-Shiun Hsu, Chang-Chun Lee, Bor-Jiunn Wen, Pei-Chen Huang, Chi-Kai Xie</i>
		17	SG6002- Effects of current crowding and temperature distribution on the performance of power LEDs <i>Chien-Ping Wang, Chang-Chun Lee</i>
		18	SG6003- Color-Property Measurement of Flexible Ch-LCD in Bending by Using an Automatic Bending-Test Inspection System <i>Bor-Jiunn Wen, Su-Chuion Liao, Ting-Yu Tseng</i>
		19	SR6032- A Method of Reducing Attributes for Aircraft Following Spare Based on Discrete Particle Swarm Optimized Algorithm <i>Li Dongdong, Xiao Boping, Haiping Huang, Aoqing Wang</i>
		20	SG6005- Dynamic Response of Human Molar Teeth <i>Tsung Chieh Cheng, Shih-Han Wang, Chia Ching Chieng, Ren Jay, Janes-Mint Hong, and Liren Tsai</i>
		21	SH6015- Application of Design of Image Tracking by Combining SURF and TLD and SVM-based Posture Recognition System in Robbery Pre-Alert System <i>Neng-Sheng Pai, Jiun-Hao Hong, Pi-Yun Chen and Jiun-Kai Wu</i>
22	SH6018- Creating a Smart Application System to Provide a Beneficial Maintenance Service for Elderly Drivers <i>Sebin Jung, Hongying Meng and Shengfeng Qin</i>		

Poster V

Date	Time	No.	1F Hallway
30 th Oct. (Sun.)	08:30 09:20	1	SJ6001- Mechanical property of multiwall carbon nanotube reinforced polymer composites <i>Yu-Long Lee, Chao-Kai Yang, Tsung-Han Hsieh, Tao-Hsing Chen</i>
		2	SJ6002- Improving the tribological performance of green lubricants using IF MoS₂ additive <i>Shih-Chen Shi, Jhen-Yu Wu</i>
		3	SJ6004- Design of Radar Absorbing Structures Utilizing Carbon-based Polymer Composites <i>Sang-Young Kim, Tian Liu, Sung-Soo Kim</i>
		4	SK6001- The Effect of Flexible Components on the Steering Characteristics <i>Hsing-Hui Huang, Meng-Hsuan Lin</i>
		5	SK6004- On the characteristics of functional elements for innovative desk lamp design <i>Nien-Te Liu, Chang-Tzuoh Wu, Jia-Cin Li</i>
		6	SK6006- Recent Development in Multi-speed Rear Transmission Hubs Used for Bicycles <i>Yi-Chang Wu, Meng-Yu Shieh</i>
		7	SK6007- Gear Ratio Analysis of a Non-contact Magnetic Gear Mechanism <i>Yi-Chang Wu, Chin-Tsung Chan</i>
		8	SK6008- Structural Analysis of Furniture Combination with Bed and Desk <i>Hsin-Te Wang</i>
		9	SK6009- Development of a Magnetic Gear Mechanism combined with an Electric Motors <i>Yi-Chang Wu, Chin-Tsung Chan</i>
		10	SM6003- Residual Strength and Deformation Recovery of RC Beams Strengthened with FRPs Plates under the Sustained Load <i>Dooyong Cho, Kyoungbong Han, Sun-Joo Cho</i>
		11	SN6002- Application of Interleaved Flyback Converters to Solar Power Conversion Systems <i>Ming-Hung Chen</i>
		12	SO6003- The crime scene tools identification algorithm based on GVF-Harris-SIFT and KNN <i>Nan Pan, Yi Liu, Sixing Wu, Zeguang Yi, Lifeng Kan</i>

Poster V (Continued)

Date	Time	No.	1F Hallway
30 th Oct. (Sun.)	08:30 09:20	13	SO6004- Study of the single point laser 3D footprint detecting system in crime scene <i>Lifeng Kan, Nan Pan, Yi Liu, Sheng Sha, Zeguang Yi</i>
		14	SO6010- Solar Radiation Model Prediction Based on Feature Extraction of Random Forest <i>Jian Liu, Mei-Yan Cao</i>
		15	SP6001- Intelligent Controlled Distributed Generator System Using Current Injection Disturbance for Islanding Detection <i>Kuang-Hsiung Tan, Chien-Wu Lan, Jo-Yen Nieh and Shih-Sung Lin</i>
		16	SP6002- Development of a Novel Power Monitoring System using Internet and Wireless Sensor Network Technologies <i>Shih-Sung Lin, Chien-Wu Lan, Ping-Nan Chen, Min-Hsiung Hung, Kuang-Hsiung Tan, Ya-Hui Wu, Jo-Yen Nieh</i>
		17	SR6008- Reliability analysis of imperfect coverage systems with a shared warm standby <i>Peichang Li, Hongjie Yuan, Jie Lan</i>
		18	SR6009- Study on Reliability Modeling of Bearing Based on Wiener Process and Objective Bayes Method <i>Shui-Zhuang Miao, Jun Yao, Yan-Lin Zhao</i>
		19	SR6020- Reliability Model of Fluctuation Monotone Degradation Data based on Levy Process <i>Hongjian Liu, Jun Yao, Yanlin Zhao</i>
		20	SR6021- Study on the Technology of Reliable Life Prediction of Plate Heat Exchanger for Ship <i>Longbo Liu, Hongjian Liu, Jun Yao</i>
		21	SSJ6013- MAC parameter configurations for Wi-Fi backscatter uplink communication <i>Jung-Hyok Kwon, Ha-Ra Oh, SolBee Lee, Wonyong An, and Eui-Jik Kim</i>
		22	SSA6001- Calibration of Temperature Sensors with Various Tolerances for PCR Chips <i>Seul-Bit-Na Koo, Jae-Hyeon Cho, Yu-Seop Kim, Hye-Jeong Song, Chan-Young Park, Jongwon Kim, and Jong-Dae Kim</i>

Poster VI

Date	Time	No.	1F Hallway
30 th Oct. (Sun.)	09:30 10:20	1	SSA6002- Low Cost PCR Thermal Cycler Temperature Logger <i>Jae-Hyeon Cho, Chan-Young Park, Yu-Seop Kim, Hye-Jeong Song, Ji Hyoung Lee, Doohee Jeong, and Jong-Dae Kim</i>
		2	SSA6003- Permanent Magnet Actuation for Magnetic Bead-Based DNA Extraction <i>Young-Hyun Park, Chan-Young Park, Yu-Seop Kim, Hye-Jeong Song, Ah Reum Park, and Jong-Dae Kim</i>
		3	SSA6004- An adaptive observing period adjustment for constrained application protocol <i>Jung-Hyok Kwon, Sungmo Kim, and Eui-Jik Kim</i>
		4	SSA6005- A content-aware streaming scheme for CDNs <i>Taekook Kim and Eui-Jik Kim</i>
		5	SSA6006- Virtual gateway configuration for MIMO transmission in Internet of things <i>Tae-Yoon Kim, Jai-Jin Jung, and Eui-Jik Kim</i>
		6	SSA6007- Load-balanced clustering for Internet of things applications <i>Jieun Jang, Jung-Hyok Kwon, Jai-Jin Jung, and Eui-Jik Kim</i>
		7	SSA6008- An analytical model for IEEE 802.15.7 MAC under saturation condition <i>Ha-Ra Oh, Jung-Hyok Kwon, and Eui-Jik Kim</i>
		8	SSA6009- Traffic-aware routing protocol for smart hospital monitoring system <i>Jung-Hyok Kwon, Jai-Jin Jung, CheongHoon Seo, and Eui-Jik Kim</i>
		9	SSA6010- Multimedia File Forensic Scheme Exploiting Contents Boundary <i>Min-Ja Kim, Jin Kim, Young-Woong Ko</i>
		10	SSA6011- Double Gaussian Filtering For Beacon-based Location Tracking <i>Jae-Gu Lee, Jin Kim, Young-Woong Ko</i>
		11	SSD6002- Design of Miniaturized Optical Image Stabilization Actuator Module for Cellphone Cameras <i>Yu-Hao Chang, Chieh-Jung Lu, Chien-Sheng Liu, Liu De-Shin, Shih-Han Chen, Wen-Yang Peng, Cheng-Hsuan Lin</i>
		12	SSD6003- Low Noise Chopper Stabilized Resistive Readout Integrated Circuit with Ripple Rejection Loop <i>Youngwoon Ko, Hyungseup Kim, Yunjong Park, Yeongjin Mun, Dong-il "Dan" Cho, and HyoungHo Ko</i>

Poster VI (Continued)

Date	Time	No.	1F Hallway
30 th Oct. (Sun.)	09:30	13	SSA6015- Medical Image Decision Support System to Improve Accuracy of Searching Particular Cell from Pathology <i>Jae-Gu Lee, Seungho Yeon, Young-Woong Ko</i>
		14	SSA6023- Human Motion Intention Detection for an Active Rail-Driven Rehabilitation System <i>Kyung-Won Kim, Mun-Ho Ryu, Je-Nam Kim, Woo-Suk Chong</i>
		15	SSA6020- Finding a New Bio-markers of a Specific Disease using Word Embedding <i>Young-Shin Youn, Chan-Young Park, Jong-Dae Kim, Hye-Jeong Song, Yu-Seop Kim</i>
		16	SSA6021- Early error detection strategy for full-duplex communication in IoT <i>Tae-Yoon Kim, Jung-Hyok Kwon, and Eui-Jik Kim</i>
		17	SSA6022- Wireless Low Power Light Emitting Device with RGB LED <i>Mi-So Lee, Hea-Ja An, Mun-Ho Ryu, Han-Yeong Oh, Nam-Gyun Kim, Kyoung-Jun Park</i>
	10:20	18	SSA6019- An Experimental Comparison of Unsupervised Biomedical Named Entity Recognition <i>Byeong-Cheol Jo, Hye-Jeong Song, Chan-Young Park, Jong-Dae Kim, Yu-Seop Kim</i>
	19	SSA6024- Smartphone-Driven Low Power Light Emitting Device <i>Hea-Ja An, Kyung-Won Kim, Mun-Ho Ryu, Han-Yeong Oh, Nam-Gyun Kim, Kyoung-Jun Park</i>	
	20	SSC6003- Fabrication of PMMA Retinal Tack Using X-ray Lithography and Long-term In-vivo Biocompatibility Evaluation for Retinal Prosthesis <i>Sangmin Lee, Hyoungko Ko</i>	
	21	SSC6002- Capacitive Analog Front-End with Dual Mode Automatic Parasitic Cancellation Loop <i>Yeongjin Mun, Hyungseup Kim, Yunjong Park, Youngwoon Ko, Kyo-in Koo, Dong-il "Dan" Cho and Hyoungko Ko</i>	
	22	SSA6029- EM Emanation Exploration in FPGA-based Digital Design <i>Nguyen Van Toan, Dam Minh Tung, Jeong-Gun Lee</i>	

Poster VII

Date	Time	No.	1F Hallway
30 th Oct. (Sun.)	10:40 11:30	1	SSC6008- Nanofiber-based Brush-distributed Sensor for Detecting Heavy Metal Ions <i>Hsing-Cheng Chang, Yu-Liang Hsu, Cheng-Yan Tsai, Ya-Hui Chen, and Shyan-Lung Lin</i>
		2	SSC6009- Nanoflower Structures of ZnO-SnO₂ Arranged on Nanoporous Al₂O₃ for Sensing Ethanol and Methanol Gases <i>Hsing-Cheng Chang, Yu-Liang Hsu, Wen-Chieh Huang, Ya-Hui Chen, and I-Nan Chang</i>
		3	SSA6012- Enhanced Archive Format Using similarity-based Data Chunking Scheme <i>Tae Sung Lim, Jin Kim, Young-Woong Ko</i>
		4	SSA6013- Reference Data Set System Using File Similarity Scheme <i>Seung-Ju Park, Young-Woong Ko</i>
		5	SSD6004- Low Power CMOS Temperature Sensor with On-chip Calibration <i>Yunjong Park, Hyungseup Kim, Youngwoon Ko, Yeongjin Mun, Sangmin Lee, Ji-Hoon Kim and HyoungHo Ko</i>
		6	SSD6007- Development and comparison of the fiber-optic water temperature sensors with different shapes <i>Rinah Kim, Han Young Joo, and Joo Hyun Moon</i>
		7	SSD6009- Non-volatile Total Dose Radiation Sensor Device using TANOS device <i>Fuh-Cheng Jong, Wen-Ching Hsieh, Hao-Tien Daniel Lee, Shich-Chuan Wu, Dawei Heh and Tzu-I Tsai</i>
		8	SSD6013- Analytical Modeling and Experimental Assessment of a Five-Dimensional Capacitive Incremental Displacement Micro-Sensor <i>Jian-Ping Yu, Wen Wang, Xin Li, Zhao-Zhong Zhou</i>
		9	SSD6015- Novel instantaneous Measurement Method of Straightness of a precision linear air-bearing stage <i>Hsiu-An Tsai, Shao-Ching Chen</i>
		10	SSE6010- 3D Printing of Selective Laser Sintering/Melting of Tantalum Nanoparticles <i>Jian-Ming Lu, Ming-Hsiao Lee, Yu-Wen Chiang, Li-Ming Chu, Yu-Sheng Lin, Yu-Heng Lai, Tsun-Lirng Yang and Keng-Liang Ou</i>
		11	SSF6001- Mode decomposition of structures with closely distributed modes and non-classical damping <i>Jae-Seung Hwang, Hongjin Kim</i>

Poster VII (Continued)

Date	Time	No.	1F Hallway
30 th Oct. (Sun.)	10:40 11:30	12	SSF6002- Effectiveness Evaluation of TLCD Using System Identification and Inverse Wind Load Estimation <i>Hongjin Kim</i>
		13	SSF6007- Dynamic Data Driven Transportation Systems <i>Wonho Suh, Dwayne Henclewood, Angshuman Guin, Randall Guensler, Michael Hunter, Richard Fujimoto</i>
		14	SSF6008- Remote monitoring of the high speed railway subgrade structure state in mountainous area and its response analysis <i>Jian Li, Shanxiong Chen, Fei Yu</i>
		15	SSI6003- Use of AIS for the multiple types of wind turbine placement in large wind farms <i>Ta-Cheng Chen, Tai-Wei Chiang, Sheng-Chuan Wang, Ren-Yin Cheng</i>
		16	SSJ6003- A Cerebellar Model Articulation Controller Neural Network Based Fault Diagnosis Method for Induction Motors <i>Kuei-Hsiang Chao, Yu-Cheng Tseng</i>
		17	SSL6001- A study of design for reduction and monitoring of volatile organic compounds in indoor air: the case of a commercial bank in Japan <i>Masamichi Hanazato, Norimichi Suzuki, Chie koga, Hiroko Nakaoka, Chisato Mori</i>
		18	SSL6002- Emission rates and substances from low volatile organic compounds(VOCs) paints <i>Norimichi Suzuki, Masamichi Hanazato, Hiroko Nakaoka, Tomomi Yamada, Akifumi Eguchi, Chie koga, Chisato Mori</i>
		19	SSL6003- An approach to make a healthy indoor environment in order to prevent adverse effects on human <i>Hiroko Nakaoka, Norimichi Suzuki, Masamichi Hanazato, Akifumi Eguchi, Chisato Mori</i>
		20	SSM6004- The Effect of Modified Assessment Model for Newly Diagnosed of HIV Men Who Have Sex with Men on Partner Notification <i>Paio-Yi Chiou, Yi-Hong Lai, Li-Chan Lin</i>
		21	SSM6011- The Disease Detection for Health Care in Elderly of New Taipei City <i>Fen-Fen Huang, Yi-Horng Lai</i>
22	SSM6012- The Elderly Switching Intention of Mobile Healthcare System <i>Fen-Fen Huang</i>		

Poster VIII

Date	Time	No.	1F Hallway
30 th Oct. (Sun.)	11:40 12:30	1	SSN6010- A Survey of Autonomous Underwater Vehicle Trajectory Tracking <i>Wenyang Gan, Daqi Zhu, Bing Sun</i>
		2	SU6001- Roundabout Capacity Analysis Using Microscopic Simulation <i>Jung In Kim, Hyungmyung Kim, Youngjoo Lee, Wonho Suh</i>
		3	SU6002- Image Processing for Traffic Safety Evaluation <i>Jinwoo Park, Heewon Park, Jung In Kim, Hyungmyung Kim, Youngjoo Lee, Wonho Suh</i>
		4	SU6003- Regional Railroad Project Evaluation based on Attractiveness and Risk Analysis <i>Sunduck Suh, Jung In Kim, Wonho Suh</i>
		5	SU6004- Structural Capacity of Steel Pile Caps Strengthened with Perfobond Shear Connectors under Lateral Loading <i>Young-Ho Kim, Jae-Yoon Kang, Sang-Ho Kim and Dae-Jin Kim</i>
		6	SU6006- Dynamic performance of disaster resilient greenhouse structures subjected to vibration <i>Taehyu Ha, Jinwon Kim, Bong-Ho Cho, Dae-Jin Kim, Hongjin Kim</i>
		7	SV6001- Wireless Fuzzy Image Segmentation System in Indoor Human Activity Study <i>Chih-Yung Chen, Ching-Chang Wong and Hsuan-Ming Feng</i>
		8	SV6002- Statistical Analysis of Performance Shift Using MATLAB Simulink Model of PLL <i>Wei-Bin Yang, Cing-Huan Chen, Zi-Ang Huang, Yin-Cheng Lin</i>
		9	SV6003- Interactive-Based Robot Systems Designs and Its Indoor Applications <i>Ching-Chang Wong, Chih-Yung Chen, Chin-Tan Lee, Chien-Chung Wang and Hsuan-Ming Feng</i>
		10	SW6001- A Texture-based Approach for Touchless Fingerprint Image Segmentation Using Artificial Neural Network and Particle Swarm Optimization <i>Ching-Han Chen, Ching-Yi Chen, Shih-Hao Chien</i>
		11	SW6002- Singular Points Detection in Fingerprints Based on Poincare Index and Local Binary Patterns <i>Ching-Han Chen, Ching-Yi Chen, Tsung-Min Hsu</i>
		12	SY6001- Predicting heart disease using converted attributes for artificial intelligence approaches <i>Fengming M. Chang</i>

Poster VIII (Continued)

Date	Time	No.	1F Hallway
30 th Oct. (Sun.)	11:40 12:30	13	SY6002- Improve High Order Learning Efficiency by Converted Data <i>Fengming M. Chang</i>
		14	SY6003- Data integration method based on weighting approach <i>Pei-Ju Lee, Yung-Cheng Lee, Peng-Sheng You, Yi-Chih Hsieh</i>
		15	SZ6002- Video Quality Monitoring System using Fragile Watermarking <i>Chuen-Ching Wang, Chiu-Hung Chen, Gi-Hong Wei</i>
		16	SZ6003- New Hardware Design for High Efficiency Video Coding <i>Chuen-Ching Wang, Chiu-Hung Chen and Gwo-Long Li</i>
		17	SZ6012- A Spectrally-Efficient Physical-Layer Network Coding with Spatial Modulation <i>Bang Chul Jung, Jeonghong Park, and Woongsup Lee</i>
		18	SZ6013- Switching-Off Algorithm of Femto Base Stations in Cooperative Cellular Networks <i>Woongsup Lee, Bang Chul Jung</i>
		19	SZ6015- Detecting Regions of Interest for Engineering Images <i>Nguyen-Minh Tuan, Guo-Shiang Lin, Wen-Jan Chen</i>
		20	WC6002- A Network Meta-Analysis on the Effects of Information Technology Application on Preoperative Anxiety of Patients <i>Yi-Horng Lai</i>
		21	WC6003- The Effects of Progressive Exercise Programs and Vitamin D Supplement on BMI and fasting blood sugar index in Elderly Women <i>I-Te Wu, Chiao-Hsin Hu, Kwok-Tung Lu, Yi-Ling Yang</i>
		22	WC6009- A Pilot Study: Evaluation of the Feasibility for Nurse Informatics Specialist <i>Yu-Wen Fang, Mei-Hua Wang, Chien-Tsai Liu</i>

Poster IX

Date	Time	No.	1F Hallway
30 th Oct. (Sun.)	13:30 14:20	1	WC6011- Development and evaluation of health care management systems for premature infants <i>Yu-Wen Fang, Mei-Hua Wang, Chien-Tsai Liu</i>
		2	WC6017- Factors of cardiovascular disease in normotensive female teens <i>Shu-Fen Lee and Chih-Ping Li</i>
		3	WC6018- Selective attrition in quality of life among elderly people in the UK and Taiwan <i>Chih-Ping Li</i>
		4	WC6019- Predictors of changes in quality of life among elderly people <i>Chih-Ping Li</i>
		5	WC6021- The Climatic Factors Affecting Dengue Fever Outbreaks in Southern Taiwan: An Application of Symbolic Data Analysis <i>Yi-Horng Lai</i>
		6	WD6005- Verification of the Chinese Version of the Form C of the MHLC scales in Diabetes patients <i>Shu-Fen Lee and Chih-Ping Li</i>
		7	WD6006- Mineralized biomimetic collagen/alginate/silica composite scaffolds for tissue engineering <i>Hyeongjin Lee, YongBok Kim, HoJun Jeon, MyungGu Yeo, Minseong Kim, Gi-Hoon Yang, JaeYoon Lee, Miji Yeo, YoungWon Koo, Wonjin Kim, JungHyeong Lim, GeunHyung Kim</i>
		8	WD6007- Electrohydrodynamic jet process for highly porous 3D fibrous architecture for tissue regeneration <i>Minseong Kim, Hyeongjin Lee, YongBok Kim, Hojun Jeon, MyungGu Yeo, Gi-Hoon Yang, Jae Yoon Lee, Miji Yeo, YoungWon Koo, Wonjin Kim, JungHyeong Im, GeunHyung Kim</i>
		9	WD6009- Electrical Characterization of 2D and 3D microelectrodes for achieving high-resolution sensing in retinal prostheses with in-vitro animal experimental results <i>Sangmin Lee, HyoungHo Ko</i>
		10	WD6011- Mathematical Observer for 3D Radiographic Scanner Design <i>Ho-Hui Hsieh, Yu-Ching Ni, Chia-Hao Chang, Yu-Hsiang Shen, Zhi-Kun Lin, Shiang-Lin Hsu, Fan-Pin Tseng</i>
		11	WD6016- Validation of the Empowerment Scale in schizophrenia patients <i>En-Chi Chiu and Chih-Ping Li</i>

Poster IX (Continued)

Date	Time	No.	1F Hallway
30 th Oct. (Sun.)	13:30 14:20	12	WD6017- The Effect evaluation of Advanced Pen Light and Innovation of Electronic Pen light <i>Piao-Yi Chiou, Chih-Yin Chien, Yi-Horng Lai, Chien-Yu Chen, Chang Feng Chun, Cheng, Yuan-Cheng, Pei-Jung Wu</i>
		13	WE6006- Radiation Dose during Interventional Angiography Procedures with Different Flat-Panel Detector Sizes <i>Kuo-Ting Tang, Chien-Yi Ting, Chun-Chih Lin, Hsin-Ell Wang</i>
		14	SB6003- Electrochemical and mechanical properties of biomedical Ti alloy <i>Tao-Hsing Chen, Shih-You Lin</i>
		15	SB6005- The Study of Nano-Structure Surface for 316 Stainless Steel by Plasma Electrolytic Technology <i>Jhao-Jhong Su, Jian-Gui Chang, and Chao-Ming Hsu</i>
		16	TB6006- The Chemical Degradation of Ibuprofen in Aqueous Phase by Innovative Metallic Oxidation Electrodes <i>Ching Yuan, Yung-Chuan Chang, Huei-Wen Li</i>
		17	TC6012- The Study of UHPC Precast Concrete Containing Incinerator Fly Ash <i>Ming-Ju Lee, Ming-Gin Lee, Yishuo Huang, Yu-Min SU, Wen-Chih Tung</i>
		18	SB6010- Design Optimization of Vertical Needle Geometry for Bump Wafer-Level Probing <i>Te-Ching Hsiao, Shyh-Chour Huang, Hao-Yuan Chang</i>
		19	SH6022- A Multi-Objective Pareto Adaptive Algorithm for the Capacitated Lot-Sizing Problems in Glass Lens Production <i>Wen-Hsien Ho, Yenming J. Chen</i>
		20	SSJ6010- Fuzzy Logic-Based Mobile Computing System for Hand Rehabilitation in Neurological Patients <i>Yu-Hsien Chiu, Tien-Wen Chen, Yenming J. Chen, Ching-I Su, Kao-Shing Hwang and Wen-Hsien Ho</i>
		21	SQ6003- Multi-Stage Forging on Torx-Pin Screw with High Torque <i>Gow-Yi Tzou, Dyi-Cheng Chen, Shih-Hsien Lin</i>
22	D6007- A Study of Optical Design with Narrow Band Imaging for Capsule Endoscope <i>Chih-Ta Yen and Yu-Ting Lin</i>		

Poster X

Date	Time	No.	1F Hallway
30 th Oct. (Sun.)	14:30 15:20	1	J6047- The Innovative Design of Automatic Opening/Closing Gull-wing Frame System by Morphological Chart Analysis <i>Long-Chang Hsieh, Tzu-Hsia Chen</i>
		2	J6048- The Innovative Design and Miniature Verification of Wheelchair with One Degree of Freedom to Perform Lifting and Standing Functions <i>Long-Chang Hsieh, Tzu-Hsia Chen and Shih-Jie Wei</i>
		3	J6023- Dynamic analysis of a geared rotor-bearing system with translational motion due to shaft deformation under residual shaft bow effect <i>Ying-Chung Chen</i>
		4	SH6011- Development of a High Efficiency Bi-direction Inverter <i>Chung-Wen Hung, Wei-Lung Mao, Jyun-Ji Chen, Kai-Zhen Lin</i>
		5	SH6012- Using a Modified PSO Algorithm on Recurrent FNN for System Identification <i>Chung-Wen Hung, Wei Lung Mao, Han-Yi Huang</i>
		6	WC6008- A Study on the Evaluation of Cognitive Ability in the Arousal State at Color Stimulation by LED Lightening <i>Seon-Jin Lee, Won-Bae Park, Hee-Chul Kim, Dong-Wook Kim</i>
		7	SW6006- Implementation of a Fuzzy PID Algorithm Based on CMS Architecture <i>W. H. Wulee, P. T. Wang, J. S. Sheu</i>
		8	SSC6004- A Top-down Fabrication of Silicon-Nanowire-Arrays for Large-Scale Integration on Flexible Substrate achieving High-Resolution Neural Stimulation Microelectrod <i>Sangmin Lee</i>
		9	SR6030- Estimating reliability of degraded system based on the probability density evolution with multi-parameter <i>Ge Jiang, Hong-Jie Yuan, Hai-Long Zhang</i>
		10	D6001- Deep Learning with Application in Detecting LED Defects <i>Ssu-Han Chen, Hsiao-Wei Liu, and Der-Baau Perng</i>
		11	SX6005- Research on kinetic energy recovery of conventional vehicle based on regenerative braking system <i>Duong Tuan Tung, Do Van Dung, Nguyen Truong Think</i>
		12	SU6009- Flexural Capacity of a New Composite Beam with Concrete-Infilled Tubular Lower Flange <i>Bong-Ho Cho, Jae-Sub Lee, Young-Ho Kim and Dae-Jin Kim</i>

Poster X (Continued)

Date	Time	No.	1F Hallway
30 th Oct. (Sun.)	14:30 15:20	13	G6033- Biohydrogen production using low-cost anaerobic bioagent <i>Chyi-How Lay, Yu-Ching Hsu, Chin-Chao Chen and Chiu-Yue Lin</i>
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