Date	Time	Room A J. Mechanical Engineering Chung-Shin Chang, Session Chair Hsiang-Chen Hsu, Session Chair
	08:00~08:15	J6001- Effects of Surface Forces on Squeeze EHL Motion between Elastic Ball and Elastic Coated Surface Li-Ming Chu, Jaw-Ren Lin, Hsiang-Chen Hsu, Yuh-Ping Chang
	08:15~08:30	J6004- Design and Analysis of Combined Cam-Linkage Mechanism with Translating Follower  Jung-Fa Hsieh
	08:30~08:45	J6005- Design and Analysis of a Compliant Positioning Platform with Embedded Strain Gauge and Viscoelastic Damper Thanh-Phong Dao, Shyh-Chour Huang
	08:45~09:00	J6009- Analysis and Simulation on Two Types of Thrust Reverser Feng Tian, Jingwu He, Yuexi Xiong, and Yanxiong Zhao
29 <sup>th</sup> Oct. (Sat.)	09:00~09:15	J6013- A study of cutting temperatures in turning Carbon-Fiber-Reinforced -Plastic (CRFP) composites with nose radius worn tools Chung-Shin Chang
	09:15~09:30	J6015- Planetary gearbox fault diagnosis based on windowed synchronous average in the angle domain Zhi-le Wang, Yu Guo, Xing Wu, Jing Na, Rong-Fong Fung
	09:30~09:45	J6016- Study of the discharge effects by lateral electrodes in EDM A-Cheng Wang, Hsin-Min Lee, Lung Tsai, Yan-Cherng Lin
	09:45~10:00	J6020- Cracked Judge Criteria for Multi-Forging Fastener Forming Chien-Wei Liao, Wen-Shyong Kuo, Chao-Yu Hung
	10:00~10:15	J6034- Real-time Fatigue Crack Detection of Composite Vessel using Mechanoluminescent Sensor with GPU acceleration Yu-Nan He, Takuya Hirohata, Naohiro Ueno, Yuki Fujio, Chao-Nan Xu

Date	Time	Room B F. Computer & Information Engineering Jia-Shing Sheu, Session Chair
	08:00~08:15	F6003- A Proficiency-based Learning Algorithm Applied to E-learning System for Knowledge-oriented Course Cheng-Hsiu Li
	08:15~08:30	F6004- A Blended System to Compute Daily Energy Expenditure with Cooperation of Smartwatch and Smartphone Khanh Nguyen-Huu, Kyung-Ho Lee, Seong-Won Shin, Young-Je Yu, Chang Geun Song, Seon-Woo Lee
	08:30~08:45	F6005- An Almost Automatic Image Fusion Scheme for Balancing Clarity and Visual Effects Yen-Ching Chang
	08:45~09:00	F6007- SocialCode: A Credit-based Incentive Protocol to Stimulate Network-Coded Cooperative Content Distribution for Vehicular Nodes Ing-Chau Chang, Jacky Lo, Chin-En Yen
29 <sup>th</sup> Oct. (Sat.)	09:00~09:15	F6009- A Passive RFID-based Location System for Personnel and Asset Monitoring Chun-Hao Kao, Rong-Shue Hsiao, Tian-Xiang Chen and Jui-Lun Chen
	09:15~09:30	F6015- Clustering with Fuzzy Supervised Algorithm and Construct Concept Structure Fong-Jhu Yih, Yuan-Horng Lin and and Jeng-Ming Yih
	09:30~09:45	F6019- IPTV Program Recommendation Based on Combination Strategies Hao Li, Huan Xia, Mohammad Nashir Uddin, Yan kang
	09:45~10:00	F6025- Novel HEVC Parallel Processing Method for Asymmetric Multicores Based on the Prediction Complexity Hyun-Joon Roh, Yeongil Ryu, Eun-Seok Ryu
	10:00~10:15	F6028- Tile Partitioning-based HEVC Parallel Processing Optimization for Asymmetric Multicore Processors Yeongil Ryu, Hyun-Joon Roh, Eun-Seok Ryu

Date	Time	Room C SA. Recent Advances on Dynamics and Vibration Engineering Jium-Ming Lin, Session Chair Yun-Hai Wang, Session Chair
	08:00~08:15	SA6001- A Novel Flexible Planar Loudspeaker Jium-Ming Lin, Cheng-Hung Lin
	08:15~08:30	SA6002- Tool Machine Performance Assessment System Using Wavelet Packet Transform and Bayesian Classification Shang-Liang Chen, Yin-Ting Cheng and Jui-Ting Hung
	08:30~08:45	SA6005- Vibration Analysis and Stability Analysis of Double-Walled Carbon Nanotubes Subjected to Electrostatics Actuation Tai-Ping Chang
	08:45~09:00	SA6007- The study of interaction, nonlinear and dissipation effects in nanomembranes by investigating the dispersion relations of bending waves Fan Yang, Reimar Waitz, Elke Scheer
29 <sup>th</sup> Oct. (Sat.)	09:00~09:15	SA6008- Dynamic Behavior of Reinforced Concrete One-Way Slabs Subjected to Blast Loading Jong Yil Park, Min Sook Kim, Seung Jae Lee, Young Hak Lee
	09:15~09:30	SA6010- Lower-limb Support Moment depending on Vibro-perception threshold and Vibration Frequency Ki-Young Kwak, Hui-Gyun Kim, Dong-Wook Kim
	09:30~09:45	SA6011- A Study on the Effect of Sub-perception Threshold Vibration Stimulation on Lower Leg muscle using MVC and PMT Analysis Hui-Gyun Kim, Ki-Young Kwak, Dong-Wook Kim
	09:45~10:00	SA6012- Effects on Chaotic Motion of Single-Walled Carbon Nanotube Subjected to Linear and Nonlinear Damping Tai-Ping Chang
	10:00~10:15	SA6031- A New Processing Method for Transonic Delayed Aerodynamic Yun-Hai Wang, Fang-Lei Wang, Bing Zhang, Zhi-Jin Zhou, Qun Cai

	Session D1		
Date	Time	Room D SR. Recent Advances in Prognostics and System Health Management Laifa Tao, Session Chair Jian Ma, Session Chair	
	08:00~08:15	SR6002- A method for gear fatigue life prediction considering the internal flow field of the gear pump Haidong Shen, Zhiqiang Li, Lele Qi, Liang Qiao	
	08:15~08:30	SR6003- Battery capacity degradation prediction using similarity recognition based on modified dynamic time warping Laifa Tao, Chen Lu, Chao Yang, Jian Ma	
	08:30~08:45	SR6004- Machine component health prognostics with only truncated histories using geometrical metric approach Laifa Tao, Chao Yang, Yujie Cheng, Minvydas Ragulskis	
29 <sup>th</sup> Oct. (Sat.)	08:45~09:00	SR6014- Failure Behavior Modeling and Reliability Estimation of Product Based on Vine-Copula and Accelerated Degradation Data Dan Xu, Mengli Xing, Qidong Wei, Yunxia Chen, Rui Kang, Yong Qin, Jie Xu	
	09:00~09:15	SR6015- Performance Degradation Analysis and RUL Prediction of Electronic Controller Based on Ensemble Empirical Mode Decomposition and Gaussian Process Regression Dan Xu, Shao-Bo Sui, Ying Chen, Rui Kang	
	09:15~09:30	SR6019- Research on two dimensional Wiener stochastic degradation model based on the wear model Hui Zhang, Jun Yao, Yan-Lin Zhao	
	09:30~09:45	SR6028- An Approach to Structural Reliability Evaluation under Fatigue Degradation and Shocks Wei Zhang, Shan Jiang, Xiaoyang Li, Zili Wang	
	09:45~10:00	SR6029- An integrated method based on CEEMD SampEn and correlation analysis algorithm to fault diagnosis of a gearbox under different working conditions  Jiayu Chen, Dong Zhou, Chuan Lu and Chen Lu	
	10:00~10:15	SR6031- Aircraft Engine Remaining Useful Life Prediction Using Stacked Sparse Auto-Encoder Based Multiple Layers Feature Self-learning Jian Ma, Wan-lin Zhao, Hua Su, Chen Lu	

Date	Time	Room E TB. Environmental Engineering Kun-Sen Chang, Session Chair Rui-Ting Huang, Session Chair
	08:00~08:15	TB6001- Adsorption of Perflourooctane Sulfonate (PFOS) and Perfluorooctanoate (PFOA) on Graphene Chao-Chun Lo, Angela Yu-Chen Lin
	08:15~08:30	TB6002- Innovation of Reservoir Cleaning System Rui-Ting Huang, Tzy-Wen Tang, Yi-Ping Lee
	08:30~08:45	TB6008- Recycle of waste textile sludge and foundry sand to produce a compression resistant and flame retardant material Kun-Sen Chang, Kong-Bin Chiu, Yi-Ju Su, Wen-Hung Lo, Chih-Hao Hu, Lin-Wei Wang, Shan-Shan Chu, Kuan-Po Chen, Sheng-Yen Lin, Pei-Chi Lin, Tzu-Hsien Yang
	08:45~09:00	TB6009- Impacts of nano-CuO and nano-ZnO particles on biological phosphorus removal Hao Shiu, Pei-Shan Hung, Meng-Shan Lu, Yung-Pin Tsai
29 <sup>th</sup> Oct. (Sat.)	09:00~09:15	TB6011- Probability Analysis Estimation of Annual Maximum Monthly Rainfall in Bangladesh Md Ashraful Alam, Kazuo Emura, Craig Farnham, Jihui Yuan
	09:15~09:30	TB6012- Comparison of optimum conditions for extracting PHAs from different waste sludge  Meng-Shan Lu, Long-Li Lai, Yung-Pin Tsai
	09:30~09:45	TB6013- An Investigation and Assessment of the Water Environment in Taomi Ecological Community  Jan-Wei Lin, Ku-Fan Chen, Yung-Pin Tsai
	09:45~10:00	TB6014- Combination of doping Cu and depositing Ag methods to modify TiO2 film – comparison of photoreduction and hydrothermal deposition methods  Chih-Chi Yang, Ruey-An Doong, Yung-Pin Tsai, Yi-Chu Huang
	10:00~10:15	TB6015- Electro-chemical sludge as renewable carbon source for bioethanol production Shou-Te Chen, Wei-Chih Lin, Yung-Pin Tsai

Date	Time	Room A J. Mechanical Engineering, SJ. Recent Development on Polymer, Polymer Composites and Polymer Application Sarawut Rimdusit, Session Chair Chanchira Jubsilp, Session Chair
	10:30~10:45	J6035- The Sensitivity Analysis of TBM Thrust System Bo Yang, Yan Xia, He Li, Bangchun Wen
	10:45~11:00	J6038- The Experimental Research on Axis Orbit of Mixed-flow pump Li Wei, Ji Leilei, Shi Weidong, Zhao Xiaofan, Jiang Xiaoping
	11:00~11:15	J6040- The Stability of Asymmetric Rotor of Roots Vacuum Pump He Li, Tian-ren Wang, Wenpeng Wei, Bang-chun Wen
29 <sup>th</sup> Oct. (Sat.)	11:15~11:30	J6041- Nonlinear dynamic analysis of multiple pinion drives system in Tunnel Boring Machine Yan Xia, Bo Yang, He Li, Wen-Peng Wei, Bang-Chun Wen
	11:30~11:45	SJ6003- A novel mobile communications authentication scheme with roaming service and user anonymity Kai Chain, Wen-Chung Kuo and Jiin-Chiou Cheng
	11:45~12:00	SJ6005- Transverse Spacing of FRP Shear Reinforcement for Concrete Wide Beam Min Sook Kim, Young Hak Lee
	12:00~12:15	SJ6009- Effects of Silicon Carbide Whisker on Shape Memory Polymers from Benzoxazine-Epoxy Polymer Alloys Sarawut Rimdusit, Chutiwat Likitaporn, Chanchira Jubsilp
	12:15~12:30	SJ6010- Wear and Mechanical Properties of Nanosilica-Filled Polybenzoxazine Composites Chanchira Jubsilp, Nutthaphon Liawthanyarat, Sarawut Rimdusit

Date	Time	Room B F. Computer & Information Engineering, N. Intelligent Computing, SF. Advances in Information Science, SI. Recent Advances in Information Analysis for Big Data and Its Applications Chun-Hsiung Tseng, Session Chair Jeong-Dong Kim, Session Chair
	10:30~10:45	F6031- Implementing Exchanged Hypercube Communication Patterns on Ring-Connected WDM Optical Networks Yu-Liang Liu, Ruey-Chyi Wu
	10:45~11:00	F6037- A Green BIM Approach: BIM-based Building Energy Performance Analysis and Design Optimization Shang-Yuan Chen
	11:00~11:15	F6039- Drowsiness monitoring of sunglasses wearing driver using adaptive IR sensor Sang-Min Park, Yong-Guk Kim
29 <sup>th</sup> Oct. (Sat.)	11:15~11:30	F6040- Mobile Software Apps for Quality Improvement Based DANP Methods Chiu-Hung Su, Ying-Hsun Hung, Wen-Cheng Wang
	11:30~11:45	N6006- Stock Prices Forecasting Based on Wavelet Neural Networks with PSO Kai-Cheng Wang, Chi-I Yang, and Kuei-Fang Chang
	11:45~12:00	SF6001- Investigating the Relationship between Students' Feelings and Their Learning Performance: A Case Study on Calculus with Multimedia Support Chun-Hsiung Tseng, Yung-Hui Chen, Yan-Ru Jiang, Jia-Rou Lin
	12:00~12:15	SF6002- Enhance Life Quality of Disabled People with Mobile Information Technologies Incorporating Multimedia Functionality Chun-Hsiung Tseng, Yung-Hui Chen, Jia-Long Li, Tang-En Hsu, Hao-Chen Huang, Hong-Wei Chen, Yi-Chen Zhou, Li-Hsin Chiu
	12:15~12:30	SI6002- Hybrid Algorithms for Ontology Representation Support to Efficient Data Integration Using ISO/IEC 11179  Jeong-Dong Kim, Suk-Hyung Hwang

Date	Time	Room C SA. Recent Advances on Dynamics and Vibration Engineering, SK. Mechanism and Machine Design, SL. Intelligent Automation and Smart Systems Chung-Chi Huang, Session Chair Kuan-Chen Lin, Session Chair
	10:30~10:45	SA6035- Nanoresonators with significantly modulated resonances utilizing multilayered structures with piecewise constant properties under intentionally applied prestress forces and stresses <i>Ivo Stachiv</i>
	10:45~11:00	SK6002- Design and Simulation of Multi-degrees of Freedom Piezoelectric Actuator Shyang-Jye Chang, Jing-Yuan Lin
	11:00~11:15	SK6003- Design Analysis of a Radial Flux Permanent Magnet Wind Power Generator Using Skewed Slots Wan-Tsun Tseng, Jian-Wei Li
	11:15~11:30	SK6005- Structural Analyses of Ancient Chinese Maze locks Kuo-Hung Hsiao
29 <sup>th</sup> Oct. (Sat.)	11:30~11:45	SL6002- Cloud-Computing Based Intelligent Prediction System for Somatic Fitness and Healthcare Hsiao-Man Liu, Chung-Chi Huang, Chung-Lin Huang, Cong-Hui Huang, and Yen-Ting Ke
	11:45~12:00	SL6010- Design of Intelligent Wireless System with Fuzzy Technique for Indoor Comfort Environment Cong-Hui Huang, Chung-Chi Huang, Kuan-Chen Lin, Tzu-Yuan Wang, Po-Chang Chen
	12:00~12:15	SL6005- Cloud-Computing Based Intelligent Inference system for Component Analysis Chung-Chi Huang, Kuan-Chen Lin, Chung-Lin Huang, Cong-Hui Huang, and Bo-Han Lin
	12:15~12:30	SL6007- A Novel Intelligent Communication System for Collaborative Work of Cyber-Physical System Chung-Chi Huang, Kuan-Chen Lin, Chung-Lin Huang, Sheng-Sian Tang, Cheng-Chi Tsai

Date	Time	Room D SR. Recent Advances in Prognostics and System Health Management, SSJ. Fault Detection, Prognostics and System Health Management for Electromechanical Systems Hung-Kuang Chen, Session Chair Xiang Li, Session Chair
	10:30~10:45	
	10:45~11:00	SSJ6001 - The Fault Diagnosis Agreement of WSN Shu-Ching Wang, Shun-Sheng Wang, Kuo-Qin Yan
	11:00~11:15	SSJ6002- Performance Evaluation of Mesh Layout Techniques for the Simplification of Large 3D Meshes Hung-Kuang Chen, Chi-Feng Chen
a of h	11:15~11:30	SSJ6004- Development of the Fault Detection and Isolation System for Power Estimation of Mobile Robots Ying-Yao Ting, Huan-Sheng Wang, Kuo-Lan Su
29 <sup>th</sup> Oct. (Sat.)	11:30~11:45	SSJ6005- Model Based Dynamic Data Reconciliation for Rotating Machinery Monitoring and Diagnosis Dengji Zhou, Huisheng Zhang, Shilie Weng
	11:45~12:00	SSJ6008- KPCA-Based Fault Detection and Identification of Organic Rankine Cycle System Jianhua Zhang, Zhongli Luo, Junghui Chen, Ying Cheng
	12:00~12:15	SSJ6009- Fault Classification with Discriminant Analysis during Sit-to-Stand Movement assisted by Nursing Care Robot Tianyi Wang, Hieyong Jeong, Takafumi Ohno, Michiko Kido, Kenji Yamada and Yuko Ohno
	12:15~12:30	SSJ6011- Defects Detection in Thin-Wall Structures via a Sparse Representation Model of Lamb Waves Xiang Li, Shuxue Ding, Zhenni Li, Yujie Li, Haoli Zhao, Benying Tan

Date	Time	Room E L. Environmental, Food, Health Science & Technology, O. Other Engineering and Technology related topics B. Mechatronic and robotics Engineering Han Ay Lie, Session Chair Buntara Sthenly Gan, Session Chair
	10:30~10:45	L6007- Exploring the Benefit of Farming Slideshow to Agri-business Marketing Yung-Hsing Peng, Po-Chuang Huang, Ying-Hsiu Chen, Chia-Cheng Lin
	10:45~11:00	L6012- A study on chopsticks length, the quantity of peanuts gripped, and the subjective satisfaction Rain Chen, Min Wang
	11:00~11:15	L6017- Effects of Combined Growth of Biogenic and Xenobiotic Substrates on Degradation of Xenobiotic by Activated Sludge Nguyen Phuc Thien, Hoang Thi Hoai and Doan Quang Tri and Ching Yi Chen
29 <sup>th</sup> Oct.	11:15~11:30	L6018- Effect of Sleep Induction Time According to Preferred and Non-preferred Color LED Stimulation Seon-Jin Lee, Wonbae Park, Hyunchul Kim and Dong-Wook Kim
(Sat.)	11:30~11:45	L6021- Removal of Basic Dyes from Solution using Coconut Shell Charcoal Chutima Jumruen, Pariwat Kri-arb, Sirawit Sukyang and Siriwan Srirorrachatr
	11:45~12:00	O6002- Development of the surgical instruments using multi-joint mechanism in endoscopic surgery Ikuo Yamamoto, Keiko Kishikawa, Murray Lawn, Takeshi Nagayasu, Naoya Yamasaki, and Keitarou Matsumoto
	12:00~12:15	O6004- Exact Shape Functions for Timoshenko Beam Element Buntara Sthenly Gan, Han Ay Lie, Trinh Thanh Huong, Takahiro Hara
	12:15~12:30	O6024- The Critical Success Factors of Smart Green City Logistics Business in Fuzhou Shih-Ming Ou, Qiaoping Mei, Li Yang, Dongling Chen

Session AS		
Date	Time	Room A SE. Recent Advances in Machinery Diagnostics, Modal Analysis, Measurement & Signal Processing, SP. Recent Advances in Intelligent Control System and Detection Algorithm, SSD. Recent Innovations in Sensors Guo Yu, Session Chair Chien-Wu Lan, Session Chair
	08:00~08:15	SE6002- Mechanical compound faults extraction based on improved frequency domain blind deconvolution algorithm  Zeguang Yi, Nan Pan, Yu Guo
	08:15~08:30	SE6004- Rolling element bearing fault feature extraction based on combination of envelope order tracking and constrained independent component analysis  Tangfeng Yang, Guo Yu, Xing Wu, Jing Na, Rong-Fong Fung
	08:30~08:45	SE6006- Experimental investigation on double impulse phenomenon of hybrid ceramic ball bearing with outer race spall Guo Yu, Shou-Bao Sun, Xing Wu, Jing Na, Rong-Fong Fung
	08:45~09:00	SE6007- Design and Control of V Type Linear Ultrasonic Motor Zhi-Yuan Yao, Mo-Jian Yang, Yue Jian
30 <sup>th</sup> Oct. (Sun.)	09:00~09:15	SE6009- Swing Period Detection of Acoustic Emission Signal of Articulated Robot Tangfeng Yang, Xiaoqin Liu, Bo He, Xing Wu
	09:15~09:30	SP6004- Autonomous Patrolling Robot with Stereo Vision System Chien-Wu Lan, Kuang-Hsiung Tan, Shih-Sung Lin, Chi-Yao Chang, Jo-Yen Nieh
	09:30~09:45	SSD6008- A proximity sensor based on fiber-optic electric field sensing technology for detection of human approaching high-voltage electric apparatus  Lu-Tang Wang, Nian Fang and Zhao-Ming Huang
	09:45~10:00	SSD6011- Seeking Null Frequencies by Autocorrelation of Spectrum of Sagnac Interference Signal Nian Fang, Xiaozhi Xiong, Weiqi Li, Lutang Wang and Zhaoming Huang
	10:00~10:15	SSD6014- Real-Time Neural Signal Sensing and Spike Sorting System Using Zero-Crossing Feature with Highly Efficient Data Transmission Sungjin Oh, Sungmin Han, and Inchan Youn

Date	Time	Room B SH. Intelligent System and Applications, SU. Recent Advances in Infrastructure Technologies Kuo-Lan Su, Session Chair Jr-Hung Guo, Session Chair
	08:00~08:15	SH6004- Fusion Algorithm Based Security System with Multiple Sensors Jr. Hung Guo, Kuo-Hsien Hsia
	08:15~08:30	SH6005- Development of Cloud Machining Supplier Matching System using AHP Evaluation Method Shang-Liang Chen, Hoai-Nam Dinh, Sheng-Jhih Fang and Yun-Yao Chen
	08:30~08:45	SH6008- Development of an Indoor Mobile Robot Localization System Using Radio Beacon Mapping and Neural Network Chun-Chi Lai, Kuo-Lan Su
	08:45~09:00	SH6010- Development of an Articulation Robot Arm Kuo-Lan Su, Jian-Fu Weng, Jr-Hung Guo, Kai-Lu Cai
30 <sup>th</sup> Oct. (Sun.)	09:00~09:15	SH6017- Activity Recognition Using Transfer Learning Wen-Hui Chen and Po-Chuan Cho
	09:15~09:30	SH6019- A recommendation system for emergency events using Recurrent Neural Network Bitzel Cortez, Young Jin Kim
	09:30~09:45	SU6005- Generalized Finite Element Method for the Analysis of High-Rise Wall-Frame Structural Systems Hongjoon Son, Jonghwan Park, Heecheul Kim, Young Hak Lee, Dae-Jin Kim
	09:45~10:00	SU6007- Adaptive Differential Evolution with Mean-of-pbest Mutation Strategy for PID Controller Design Ti-Hung Chen, Ming-Feng Yeh
	10:00~10:15	SU6008- Differential Evolution Based Networked Control System Design Ti-Hung Chen, Ming-Feng Yeh

Date	Time	Room C SSA. Recent Advances in Bioinformatics and Bio-instruments, WB. Biomechanics, F. Computer & Information Engineering Yu-Seop Kim, Session Chair Jung-Ge Tseng, Session Chair
30 <sup>th</sup> Oct. (Sun.)	08:00~08:15	SSA6016- Comparison of Real time PCR Results by Appling Different Powers  Ji-Soo Hwang, Jong-Dae Kim, Yu-Seop Kim, Hye-Jeong Song, Sang-Yoon Kim and Chan-Young Park
	08:15~08:30	SSA6017- Comparison of PCR ramping speeds for the chamber thicknesses of the PCB-based Micro PCR Chip Seung-Cheol Lee, Yu-Seop Kim, Hye-Jeong Song, Jong-Dae Kim, Sihn-Ae Lee and Chan-Young Park
	08:30~08:45	SSA6018- Evaluation independent system for the development of DNA amplification section Deuk-Ju Lee, Jong-Dae Kim, Yu-Seop Kim, Hye-Jeong Song, Inyoung Kim and Chan-Young Park
	08:45~09:00	SSA6026- Improving Performance for Classifying Ovarian Cancer with Menopause Information Eun-Suk Yang, Yu-Seop Kim, Jong-Dae Kim, Chan-Young Park, Hye-Jeong Song
	09:00~09:15	SSA6027- Best Serum Biomarker Combination for Classifying Ovarian Cancer Eun-Suk Yang, Yu-Seop Kim, Jong-Dae Kim, Chan-Young Park, Hye-Jeong Song
	09:15~09:30	WB6001- Injury Assessment Via Stress Analysis of the Human Knee Joint Pu-Pin Yu, Jung-Ge Tseng, Ming-Yuan Huang, Bo-Wun Huang
	09:30~09:45	F6041- A Hierarchical Network Model for Network Topology Design Using Genetic Algorithm Shuo Zhang, Ning Huang, Yue Zhang, Weiqiang Wu
	09:45~10:00	WB6003- Evaluate the Mechanical Performance to EVAR with Chimney Grafts Technique Bing-Feng Huang, Wei-Ling Chen, Ming-Long Yeh, Chung-Dann Kan
	10:00~10:15	F6042- The Influence of Application Processes on Network Performance Reliability Yue Zhang, Ning Huang, Weiqiang Wu, Shuo Zhang

Date	Time	Room D G. Green Technology & Civil Engineering Yit-Jin Chen, Session Chair Yao-Tang Chang, Session Chair
	08:00~08:15	G6005- Intelligent Wireless Green Energy Power Storage and Transmission System Based on Assembly Method of Pivoting Antenna Module  Ming-Shen Jian, Rui-Wei Tong, Yu-Huei Lin, Chih Cheng, Yi-Chi Fang, Hsuan-Chia Chang
	08:15~08:30	G6013- Compression Capacity and Displacement for Drilled Shafts in Gravelly Soils Yit-Jin Chen, Tsu-Hung Chu, Jen-Kai Huang
30 <sup>th</sup> Oct.	08:30~08:45	G6014- Compressive Strength of Charcoal-filled Lightweight Foamed Concrete Yeong Huei Lee, Shahrin Mohammad, Ming Han Lim, Yee Ling Lee, Yee Yong Lee, Cher Siang Tan, Chau Khun Ma
	08:45~09:00	G6016- Green Options for Anti-Corrosion of High Strength Concrete Incorporating Ternary Pozzolanic Materials Chien-Jou Yang, Yuan-Yuan Chen
(Sun.)	09:00~09:15	G6017- Study on the factors that influence the intention of college students to participate in the green building ChienJen Hung, Chenchen Lai, Meiyan Chen
	09:15~09:30	G6022- Land Cover Classification using Multi-Spectral Satellite Imagery Tri Dev Acharya, In Tae Yang and Dong Ha Lee
	09:30~09:45	G6023- A Study of Applying Water Retention and Permeable Methods into Yonghe District Wastewater Operations Manager Lee-Kuo Lin, Chien-Ching Chen, Yu-Chen Hsiao
	09:45~10:00	G6024- Pollution detection and prevention of the ready-mixed concrete plant management Lee-Kuo Lin, Pi-Lan Hsu, Jye-Hwang Lo
	10:00~10:15	G6030- Octree Data Processing for Structural Shape Management using Terrestrial Laser Scanning Gichun Cha, Donghwan Lee and Seunghee Park

Date	Time	Room E M. Innovation Management, O. Other Engineering and Technology related topics Jeng-Ming Yih, Session Chair Chin-Yuan Fan, Session Chair
	08:00~08:15	M6004- A study of the correlation between self-confidence and professional achievements of designers Rain Chen, Yu-Tzu Yang, Li-Chou Chen, Chia-Hui Feng, Gen-Ming Guo
	08:15~08:30	M6005- Cognitive Diagnostic Assessment Based on Knowledge Structure Jui-Chiao Tseng, Ting-Hung Huang and Jeng-Ming Yih
	08:30~08:45	
	08:45~09:00	M6007- Combining ZMET and MEC in Study of User Expectations for Ideal catering customer service APP Ton Chaing, Hsin Rau, Jon-Luen Chiang
30 <sup>th</sup> Oct. (Sun.)	09:00~09:15	M6008- The Lifespan of Semiconductor Patents by Assignee and Patent Characteristics Shu-Hao Chang, and Chin-Yuan Fan
	09:15~09:30	M6011- A Survival Analysis on Fuel Cell Material Values Exploration and Exploitation of Emerging Technology Seng-Su Tsang, Wen-Cheng Wang
	09:30~09:45	O6006- Design of the Crashworthy Structure of an Urban Aircraft Bairong Shang, Jingwu He, Yuexi Xiong, Zhe Hu
	09:45~10:00	O6011- Development of a MDO Platform for Aero-Structural Interactions Hu Zhe, He Jingwu, Xiong Yuexi, Pan Yang
	10:00~10:15	O6023- Comparative study on two civil engine thrust reversers of maintainability analysis Hua-Cong Xu, Yang Pan, Yue-Xi Xiong, Jing-Wu He

Date	Time	Room A SO. Data Driven Modelling and Soft Computing, SZ. Information and Communications Technological Convergence and Applications Nan Pan, Session Chair Wen-Chung Kuo, Session Chair
	10:30~10:45	SO6001- An Efficient Hybrid Big Bang-Big Crunch Algorithm for Multi-Objective Optimization on Heterogeneous Distributed System Yan Kang, Qing Liu, Hao Li and XiaoDong Yang
	10:45~11:00	SO6002- Apply Data Mining to Analyze the Rainfall of Landslide Zne-Jung Lee, Chou-Yuan Lee, Wei-Feng Ling, and Yuan-Chih Lee
	11:00~11:15	SO6011- Field Climate Tracking with Virtual Weather Stations Constructed by Private Stations and Open Data Chin-Shun Hsu, Yung-Hsing Peng, Chien-Der Lin, Po-Chuang Huang
30 <sup>th</sup> Oct.	11:15~11:30	SZ6004- The Experimental Implementation Configured by a Fiber-Bragg-Grating Fiber Laser and Optical Code Division Multiple Access on Wireless Communication Application Yao-Tang Chang, Bo-Rong Huang, Hsu-Chih Cheng
(Sun.)	11:30~11:45	
	11:45~12:00	SZ6006- Privacy Enhancement for Medical Images Communication by Spatial Light Modulation-based OCDMA Scrambling Cryptography Yao-Tang Chang, Yih-Chuan Lin
	12:00~12:15	SZ6008- Verifiability Data Hiding Scheme with Tamper Detection Wen-Chung Kuo, Shao-Hung Kuo, Lih-Chyau Wuu
	12:15~12:30	SZ6014- Case Studies of Applying Electronic Flexible Material and Technology to Create the New Media Arts Pei-Hsuan Su

Date	Time	Room B SM. Recent Advances in Green Innovative Materials and Civil Engineering, SW. Recent Innovations and Applications in Fingerprint, Wei-Ting Lin, Session Chair An Cheng, Session Chair
30 <sup>th</sup> Oct. (Sun.)	10:30~10:45	SM6001- Seismic Testing and Verification of a Miniature Reinforced Concrete Specimen considering Corrosive Hazards Wei-Ting Lin, An Cheng, Tzu-Ying Lee, Yuan-Chieh Wu
	10:45~11:00	SM6006- Properties of Controlled Low Strength Material with Circulating Fluidized Bed Combustion ash and Recycled Aggregates Tsai-Lung Weng, Wei-Ting Lin, Hao-Wen Lai
	11:00~11:15	SM6007- Deterioration Evaluation of RC Building Structures Using Material Testing Data Base Tsai-Lung Weng, Wei-Ting Lin, En-Tzu Chang
	11:15~11:30	SM6015- Effect of Sand Ratio on the Strength and Durability of Self-Compacting Concrete  Tsai-Lung Weng
	11:30~11:45	SM6017- Variation of Moisture Content for Compacted Soil Slopes Subjected to Artificial Rainfall Shu-Rong Yang, Chao-Hsiang Kuo, Li-Jie Huang
	11:45~12:00	SM6010- Seismic Performances of the Motor Control Centers in a Nuclear Power Plant using the Seismic Qualification Analysis and Test Chi-Che Hung, Yuan-Chieh Wu, Wei-Ting Lin
	12:00~12:15	SW6003- An Application to α Brainwave Sampling and LabVIEW System Input - Output Transmission Interface of MindWave Brainwave Mind Control in Practical Applications Research Ho-Nien Shou, Jyh-Haw Wang
	12:15~12:30	SW6004- Implementation of a Following Wheel Robot Featuring Stereo Vision Capability Jia-Shing Sheu, Ho-Nien Shou, Wei-Hsiu Tsai, Jia-Jie Su

Date	Time	Room C SX. Recent Advances in Vehicle System Yaojung Shiao, Session Chair Hsiu-Ying Hwang, Session Chair
	10:30~10:45	SX6001- Steering Test of Mid-size Bus with Flexible-body Dynamics Model Jia-Shiun Chen
	10:45~11:00	SX6002- Noise and Vibration Analysis for a Midsize Electric Bus Using Boundary Element Method Hsiu-Ying Hwang
	11:00~11:15	SX6003- Plate Load Design and Application of Four-rotor Aerial Vehicle Jiunn Fang, Yau-Ren Shiau, Wei-Chun Hung, Yu-Lan Chen
30 <sup>th</sup> Oct.	11:15~11:30	SX6004- Design and Simulation of Non-Rotor Unmanned Aerial Vehicle Jiunn Fang, Yau-Ren Shiau, Yu-Lan Chen, Wei-Chun Hung
(Sun.)	11:30~11:45	
	11:45~12:00	SX6006- Proposing a Valve Train System for Cylinder Deactivation in Si Engines Ly Vinh Dat and Yaojung Shiao
	12:00~12:15	SX6007- Control of Steering Wobble in Motorcycle by a New Variable Damping Damper Yaojung Shiao, Yi-Lin Wu
	12:15~12:30	SX6008- Design of a New Intelligent Distributed Transportation Merging Management System Yaojung Shiao, Yuan Zou, Chen-En Hsia, Hoang Thang

Date	Time	Room D G. Green Technology & Civil Engineering, TC. Architecture and Building Materials Carig Farnham, Session Chair Yi-Chang Wu, Session Chair
	10:30~10:45	G6031- Numerical simulation of joint connection on three-hinged gable frame steel structure in span length variation Pinta Astuti, Hakas Prayuda, Martyana Dwi Cahyati
	10:45~11:00	G6032- Verification of accuracy of 3D shape information using photograph taken by digital cameras  Donghwan Lee, Gichun Cha and Seunghee Park
	11:00~11:15	TC6004- Effect of highly reflective roofing sheet on building thermal loads for a school in Osaka Jihui Yuan, Kazuo Emura, Craig Farnham
30 <sup>th</sup> Oct.	11:15~11:30	TC6008- An explorative study of the ecological design of residence buildings in Ming and Qing dynasties in Yangzhou  Man Lu, Gang Wang, Jian Zhou
(Sun.)	11:30~11:45	TC6009- Landscape design of river channels in small towns based on regional cultureCase study of landscape design of Duohua River of Longli County, Guizhou Province  Man Lu, Chuan-Yue Wang, Jian Zhou
	11:45~12:00	TC6010- Necessity for Diversity of Commercial Facilities for Daily Shopping in Residential Planning Ping-li Chen, Yungchi Yen
	12:00~12:15	TC6011- Cluster Mapping in Urban-Rural Planning: The Case of Manufacturing Industries in Taiwan Yung-Chi Yen, Shiann-Far Kung, Ping-Li Chen
	12:15~12:30	TC6013- Optimization of Air Conditioner Load-Shifting with Exterior Wall Phase Change Material Panels Craig Farnham, Kazuo Emura, Jihui Yuan, Md Ashraful Alam

Date	Time	Room E TA. Civil & Structure Engineering, SSF. Structural Health Monitoring Wan-Cheng Yuan, Session Chair Hao-Jan Chiu, Session Chair
	10:30~10:45	TA6003- Innovative Entire Bridge Launching for the Construction of A 140 m Arch Steel Bridge Hao-Jan Chiu, Min Chao, Chih-Wei Lu, Chyuan-Hwan Jeng
	10:45~11:00	TA6006- Analysis of Potential Use as Structural Element of Laminated Timber from Three Species of Fast-Growing Trees Sri Indah Setiyaningsih, Saptahari Soegiri, Adang Surahman, Eka Mulya Alamsyah
	11:00~11:15	TA6009- Effects of Tendon Layout on Flexural Capacity of Prestressed Concrete Flat Plates Min Sook Kim, Young Hak Lee
30 <sup>th</sup> Oct. (Sun.)	11:15~11:30	TA6010- Performance-Based Seismic Assessment of a Large Concrete Framed Structure Supporting Multi-units of Heavy Compressors Song Fong Jan
	11:30~11:45	TA6011- Innovation of Railway Security Management System Tzy-Wen Tang, Rui-Ting Huang, Yi-Ping Lee
	11:45~12:00	TA6020- Seismic responses of a Cable-Stayed bridge with consideration of uniform temperature loading Jun-Jun Guo, Xin-Zhi Dang, Wan-Cheng Yuan
	12:00~12:15	TA6022- The seismic fragility analysis of continuous bridge with uniform drift CMEJ under the excitation of seismic sequence Jian-Guo Wang, Yu-Tao Pang, Wan-Cheng Yuan
	12:15~12:30	SSF6012- Laser ultrasonic propagation imaging method for damage measuring of aluminum plate structure Aoqi Zhang, Changgil Lee, Gichun Cha, Seunghee Park

Date	Time	Room A SSK. Advances in Marine Equipment, Facility, and Device, SSN. Advances in Ocean Engineering and Marine Science Pei-Hwa Huang, Session Chair Chang-Geun Song, Session Chair
	13:30~13:45	SSK6003- Laboratory Experiments for Dynamic Change of Suspended Sediment Concentration by Solitary Wave Jae-Nam Cho, Song-Geun Song, Kyu-Nam Hwang, Seung-Oh Lee
	13:45~14:00	SSN6005- Numerical Computation of Transient Salinity Distribution in Macro-Tidal Estuary Seung-Oh Lee, Chang-Geun Song
30 <sup>th</sup> Oct.	14:15~14:30	SSN6011- The Cascaded UUV Three-dimensional Trajectory Tracking Control Based on Model Predictive and Sliding Mode Control Bing Sun, Wenyang Gan, Man Mei, Daqi Zhu
(Sun.)	14:30~14:45	SSN6012- Numerical Modeling of Dynamic Behavior for Jacket Foundation of Offshore Wind Turbine Cheng-Yu Ku, Lien-Kwei Chien, Yan Su
	14:45~15:00	SSN6014- Investigation of effects of wave directions on hull wave load by hydroelastic experimental method Zhan-Yang Chen
	15:00~15:15	SSN6016- Dynamic Response Analysis of Micro-Grid with Ocean Thermal Energy Conversion Pei-Hwa Huang, Ming-Wang Chen, Chia-Yu Hsu

Date	Time	Room B SSE. Advances in Additive Manufacturing Filip GÓ RSKI, Session Chair Cheng-Mei Tung, Session Chair
	13:30~13:45	SSE6001- A Knowledge-Based System for Machine Selection in the Metalworking Industry Shang-Liang Cheng, Hoai-Nam Dinh, Cheng-Ru Yu and Yin-Ting Cheng
	13:45~14:00	SSE6003- Substitute effects of additive manufacturing technology on dentures by system dynamics Chiung-Wen Hsu, Cheng-Mei Tung
	14:15~14:30	SSE6004- Selective Laser Melting for Production of Orthopaedic Implants with Gradient Porosity Fousová Michaela, Kubásek Jiří, Vojtěch Dalibor
30 <sup>th</sup> Oct. (Sun.)	14:30~14:45	SSE6006- Mechanical properties of composite parts manufactured using Fused Deposition Modeling technology Filip Górski, Radosław Wichniarek, Wiesław Kuczko, Paweł Buń, Adam Hamrol
	14:45~15:00	SSE6007- Methodology of application of low-cost additive manufacturing for production of medical supplies Filip Górski, Radosław Wichniarek, Wiesław Kuczko, Paweł Buń, Adam Hamrol
	15:00~15:15	SSE6009- FaaS-based Advanced Additive Manufacturing System for Mass Customized Production  Hyoung Seok Kang, Wen Bin Zhao, Sun Hong Kim, Young Jun Jung, Sang Do Noh, Hyun Kim, Ji Yeon Son

Date	Time	Room C E. Chemical & Biomedical Engineering, SC. Recent Advances in Biomaterials, SSL. Advances in Energy of Building and Indoor Environment  Kazuhiro Imai, Session Chair Chung-Jen Ou, Session Chair
	13:30~13:45	E6005- Arduino© Based LED and Laser Controller for Wireless Optogeneics Chung-Jen Ou
	13:45~14:00	SC6002- In vivo Evaluation of Bulk Metallic Glasses for Orthopaedic Devices Kazuhiro Imai
30 <sup>th</sup> Oct.	14:15~14:30	
(Sun.)	14:30~14:45	SSL6007- Stratreties of Energy Consumption Analysis for the Seasoning Helios Orbit Variations to the Indoor Illuminating Conditions  Chung-Jen Ou
	14:45~15:00	SSL6008- Experimental study and evaluation the performance of a sensible heat recovery exchanger combined with wet film Wu-Yan Li, Jun Lu, Yong-Cai Li, Zong-Sheng Liu
	15:00~15:15	M6006- Novel Item Relational Structure Theory Based on Liu's Strict Item Ordering Consistence and Normalized Criteria Hsiang-Chuan Liu, Yen-Kuei Yu, Hsien-Chang Tsai

Date	Time	Room D K. Nanotechnology, SSC. Recent Advances in Microtechnology, O. Other Engineering and Technology related topics, SSH. Recent Advances in Environmental Engineering, SSL. Advances in Energy of Building and Indoor Environment Ming Chang, Session Chair Cheng-Yu Ku, Session Chair
	13:30~13:45	K6001- Separation criteria of nanoscale water droplets from a nozzle plate surface Van Quang Nguyen and Jau-Wen Lin
	13:45~14:00	SSC6001- Mixing Efficiency Enhancing in Micromixer by Controlled Magnetic Stirring of Fe3O4 Nanomaterial Ming Chang, Jacque Lynn F Gabayno, Ke-Wei Huang, Yaw-Jen Chang
30 <sup>th</sup> Oct. (Sun.)	14:15~14:30	SSL6005- Climate Change Impacts on Energy Demand in Buildings using a Micro-Urban Climate Modeling System: Madrid case study Roberto San José, Juan L. Pérez, Libia Pérez, Julia Pecci, Antonio Garzón and Marino Palacios
	14:30~14:45	SSC6007- Effects of target material geometry and RF power on coating quality for Metal Deposition Process Bo-Wun Huang, Pu-Ping Yu, Wen-Ye Huang
	14:45~15:00	SSH6001- Human Health Impact Assessment of Global Climate over Milan and London at very high spatial resolution Roberto San José, Juan L. Pérez, Libia Pérez, Julia Pecci, Antonio Garzón and Marino Palacios
	15:00~15:15	SSH6002- Distributed Modeling of Rainfall-induced Shallow Landslides in Unsaturated Soil Chih-Yu Liu, Cheng-Yu Ku, Yan Su, Jing-En Xiao

Date	Time	Room E D. Optical Engineering, SSB. Innovative Technology of Green Energy Harvest and Storage, WA. Biocomputing and Bioinformatics, Yenming J. Chen, Session Chair Hsiang-Chuan Liu, Session Chair
30 <sup>th</sup> Oct. (Sun.)	13:30~13:45	D6002- Design and Verification of a Flat-Field Aberration-Corrected Concave Blaze Grating for Hyperspectral Imaging Cheng-Hao Ko, Sheng-Yu Tsai, Yueh-Hsun Wu, Jih-Run Tsai, Bang-Ji Wang, Shin-Fa Lin, and Chiu-Der Hsiao
	13:45~14:00	D6003- Two Dimensional Analytical Modeling of a Linear Variable Filter for Spectral Order Sorting Cheng-Hao Ko, Yueh-Hsun Wu, Symphony Chakraborty, Jih-Run Tsai, Bang-Ji Wang, Shin-Fa Lin and Chiu-Der Hsiao
	14:15~14:30	SSB6003- Modeling and Simulation of IGCC Considering Pressure and Flow Distribution of Gasifier Di Huang, Huisheng Zhang, Shilie Weng, Ming Su
	14:30~14:45	SSB6004- Strength Analysis for the Rudder of Power-Free Underwater Vehicle in Kuroshio Subjected to Typhoon Waves Chuan-Tsung Lee, Ray-Yeng Yang, Huang Hsing Pan, Li-An Kuo
	14:45~15:00	WA6001- Novel Integrated Analysis for Breast Cancer Classification Based on Fisher Discriminant Analysis and Choquet Integral with Respect to Liu's Generalized Lambda Measure Hsiang-Chuan Liu, Hsien-Chang Tsai, Yi-Chih Chien, Chien-Chang Kao and Shou-Tung Chen
	15:00~15:15	WA6002- Multi-Source Decision Making in Automatic ECG Diagnosis by Advanced Machine Learning Yiu-Jen Chang, Paul Wei-Hua Tang, Wen-Hsien Ho, Yenming J. Chen

Date	Time	Room A SN. Swarm Intelligence and Innovation of Power Engineering Applications, SV. Recent Innovations and Smart Applications in Wireless Network Ming-Hung Chen, Session Chair Shih-Chen Shi, Session Chair
30 <sup>th</sup> Oct. (Sun.)	15:30~15:45	SN6001- A backtracking evolutionary algorithm for power systems Ji-Pyng Chiou, Chung-Fu Chang, Chin-Ju Li
	15:45~16:00	SN6003- Robust ECG R Peaks detection using Artificial Bee Colony Bing-Ci Wu, Chun-Ling Lin
	16:00~16:15	SN6004- Development of a multi-sensor intelligent home environment monitoring system based on Arduino and Wi-Fi Chun-Hsiang Hsu, Chun-Ling Lin
	16:15~16:30	SN6005- Fall detection system using wearable accelerometers  Jhan-Fong Yu, Chun-Ling Lin
	16:30~16:45	SN6006- Smart homecare system for tele-health monitoring Yi-Chung Cheng, Chun-Ling Lin
	16:45~17:00	SV6004- Grain Bulk Density Measurement Base on Wireless Network Fangming Wu, Bingfang Wu, Leidong Yang
	17:00~17:15	SV6006- A Novel Method for Measuring the Resilience of MANET Based on Time-Spatial Model Wei-Qiang Wu, Ning Huang, Bo Hu, Yue Zhang

Date	Time	Room B SSM. Advances in Nursing, WC. Health Care Technology Rong-Shue Hsiao, Session Chair Ping-Nan Chen, Session Chair
30 <sup>th</sup> Oct. (Sun.)	15:30~15:45	SSM6006- A Secure IoT based e-Nursing System with Wearable Healthcare Devices Kuo-Hui Yeh
	15:45~16:00	SSM6013- A Fuzzy Emergency Patients Classification in Nursing Stations at Taiwan Lantern Festival Pin-Wen Huang, Yuli Lin, Kuan-Jung Chung, Zih-Ping Ho
	16:00~16:15	
	16:15~16:30	WC6014- Sleeping Posture Recognition Based on Fuzzy C-Means Clustering Chun-Hao Kao, Rong-Shue Hsiao, Mekuanint Agegnehu Bitew, Tian-Xiang Chen and Tzu-Yu Li
	16:30~16:45	WC6016- The systematic node management mechanism based on the ZigBee-based Real-time Vital Signs Information Monitoring System for large number of patients Ke-Feng Lin, Shih-Sung Lin, Min-Hsiung Hung, Chung-Hsien Ku, Ping-Nan Chen
	16:45~17:00	WC6024- An Intelligent RFID Ambulance Warning System for Emergency Medical Services Yeong-Lin Lai, Yung-Hua Chou, Li-Chih Chang
	17:00~17:15	WC6027- Evaluation of Radiation Dose to Intraoperative Pedicle Screw Insertion at Operating Room Hsien-Wen Chiang, Tzu-Chao Chuang, Ya-Ling Liu, Pao-Shu Chang, Tou-Rong Chen, Jao- Jai Jane, Shih-Yu Chao

Date	Time	Room C B. Mechatronic and Robotics Engineering, C. Electrical & Electronic Engineering, O. Other Engineering and Technology related topics Samima Akter, Session Chair Priyanath Das, Session Chair
30 <sup>th</sup> Oct. (Sun.)	15:30~15:45	B6003- Measurement of Power and Energy Consumption of a Competition-Mobile-Robot Tsing-Tshih Tsung, Yun-Ju Chuang, Ho Chang, Chun-Lun Shen, Yin-Tung Sun
	15:45~16:00	C6001- Analysis of Current Waveforms for Determining Motor's Quality Types by Using Modified Linear Discriminant Analysis Yun-Chi Yeh, Tsung-Fu Chien, Cheng-Yuan Chang, Che Wun Chiou
	16:00~16:15	C6014- A Novel Unambiguous Alternative Binary Offset Carrier Signal Tracking Keunhong Chae, Seungsoo Yoo, Sun Yong Kim, Gyu-In Jee, Dong-Jin Yeom, and Seokho Yoon
	16:15~16:30	C6015- A Novel Rapid Direct P-Code Acquisition Scheme Keunhong Chae, Seungsoo Yoo, Sun Yong Kim, Gyu-In Jee, Dong-Jin Yeom, and Seokho Yoon
	16:30~16:45	C6016- Unambiguous Time-Multiplexed BOC Signal Tracking for GPS Receivers Keunhong Chae, Seungsoo Yoo, Sun Yong Kim, Gyu-In Jee, Dong-Jin Yeom, and Seokho Yoon
	16:45~17:00	C6033- A Fault Location Identification Technique using Wavelet Transform Samima Akter, Priyanath Das, Hemantha Badhai, Biman Kumar Saha Roy
	17:00~17:15	O6027- Analysis of Hospital Interior Air Quality Audits Lee-Kuo Lin, Yan-Sin Cai, Yao-Chien Tsai

Date	Time	Room D SQ. Intelligent Manufacturing and Forming Technology Gow-Yi Tzou, Session Chair Chao-Cheng Chang, Session Chair
30 <sup>th</sup> Oct. (Sun.)	15:30~15:45	SQ6001- Study of Hollow Stem Hip Bone Forming Processing Dyi-Cheng Chen, Jheng-Guang Lin
	15:45~16:00	SQ6002- Study of vibration characteristics and modal analysis in grinding machine  Dyi-Cheng Chen, Ming-Fei Chen, Jing-Hao Kang, Chia-Chun Lai
	16:00~16:15	SQ6004- Analytical Approach to Rotating Compression of Porous Cylinder Considering Constant Shear Friction Gow-Yi Tzou, Yeong-Maw Hwang, Sai-Chih Pan
	16:15~16:30	SQ6005- Die Stress Analysis and Improvement of Welding Valve Stopper in Multi-Stage Forging Gow-Yi Tzou, Un-Chin Chia, Kao-Hua Chang, Ching-Wei Shih
	16:30~16:45	SQ6006- Discrete Particle Simulation of Copper Powder Compaction Chao-Cheng Chang
	16:45~17:00	SQ6007- Study on Metal Cutting Improvement of CNC Multi-axis Machine Using Vibration Platform Shao-Yi Hsia, Wen-Bin Huang, Chen-Chung Chang
	17:00~17:15	SQ6008- A Study on Scheduling Management of Shipbuilding Industry considering Working Environment Jae-chul Lee, Ji-ho Jeong, Philip Wilson, Soon-sub Lee, Donghoon Kang, Jong-Hyun Lee, Sung-chul Shin

Date	Time	Room E I. Control Engineering, J. Mechanical Engineering, O. Other Engineering and Technology related topics, WE. Medical Imaging, Image and Signal Processing, WF. Modelling, Simulation, Systems and Control Hung-Yi Chen, Session Chair Chung-Dann Kan, Session Chair
30 <sup>th</sup> Oct. (Sun.)	15:30~15:45	I6002- Active Control for Non-Autonomous Diaphragm-type Pneumatic Isolation System by Using an Augmented Adaptive Sliding-mode Controller Hung-Yi Chen, Jin-Wei Liang
	15:45~16:00	WF6004- 2D Numerical model of nanowire electron transferring pathway in microbial fuel cell Tzu-Hsuan Lan, Chin-Tsan Wang, Yung-Chin Yang
	16:00~16:15	WE6001- A Simple Homecare Cardiac Arrhythmias Detection and Reporting System for the Elderly Yun-Chi Yeh, Tsung-Fu Chien, Cheng-Yuan Chang, Che Wun Chiou, Yun-Te Lin
	16:15~16:30	WE6012- Retrieving Hidden Atrial Repolarization Waves from the Surface ECGs Wen-Hsien Ho, Yenming J. Chen
	16:30~16:45	WE6016- Using a multiple regression model to early evaluated the stenosis of arteriovenous access with biophysical mock system Wei-Ling Chen, Chung-Dann Kan
	16:45~17:00	O6038- Research On The Path Of Synergetic Development Between Logistics Industry And The Leading Industries In Fujian Province Qiao-Ping Mei, Qi Jiang, Li Yang
	17:00~17:15	J6049- Numerical Simulation and Experimental Validation for the Thermal Analysis of a Compact LED Recessed Downlight with Heat Sink Design Huan-Chu Hsu, Yi-Cheng Huang