

SESSION ICMT2017

Technical Session 1 - Renewable Energy and Smart Grid 1						
21st October [Saturday] / Session Chair: Dr. Cong Binh Phan						
No	From	To	Paper ID	Title	Authors	Room Note
1	10:20	10:40	28	Configuration of Wave Energy Converter Power-take-off System Based on CVT	Nguyen Minh Tri and Kyoung Kwan Ahn	407_A4
2	10:40	11:00	29	Development of a Wave Energy Converter with Mechanical PTO by means of Supplementary Mass Control	Tri Dung Dang, Cong Binh Phan and Kyoung Kwan Ahn	407_A4
3	11:00	11:20	31	A prototype of smart floor based Triboelectric Nanogenerator	Quang Tan NGUYEN, Ravi Kumar CHEEDARALA and Kyoung Kwan AHN	407_A4
Technical Session 2 - Smart Actuators and Materials						
21st October [Saturday] / Session Chair: Prof K. Yoshida						
No	From	To	Paper ID	Title	Authors	Room Note
1	10:20	10:40	57	Research of impact loads on structures in coral environments	Nguyen Huu The and Vu Dinh Loi	408_A4
2	10:40	11:00	7	A Method for Improving Piezoelectric Constant D33 of PBLG Micro/Nanofibers Applied for Piezoelectric Polymer Fibers Composite	Duc Nam Nguyen and Wonkyu Moon	408_A4
3	11:00	11:20	20	Mathematical Model of a Bridge-type Displacement Amplification Flexure Mechanism	Kee-Bong Choi, Jaejong Lee, Geehong Kim, Hyungjun Lim and Soongeun Kwon	408_A4
4	11:20	11:40	22	Novel AC Electroosmotic Micropump Using Slit Electrode and Multiple Square Pole Electrodes	K. Asai, K. Yoshida, S. I. Eom and J.-W. Kim	408_A4
5	11:40	12:00	41	Research on The Formability of Titanium & SUS 304 Sheet Materials by Hot Single Point Incremental Forming Technology	Nguyen Tan Hung, Le Khanh Dien, Nguyen Thanh Nam, Tran Trong Hy, Tran Dai Nguyen, Nguyen Huy Bich and Nguyen Ngoc Phuong	408_A4
Technical Session 3 - Production Systems 1						
21st October [Saturday] / Session Chair: Prof. Naoki Asakawa						
No	From	To	Paper ID	Title	Authors	Room Note
1	10:20	10:40	4	Multi-objective production planning for a flexible manufacturing system based on NSBBO method	Huu-Tho Nguyen, Achmad P. Rifai, Huu-Nghi Huynh, Quoc-Thanh Truong	409_A4

2	10:40	11:00	35	Formation of pores inside the built structure obtained by metal-based powder bed fusion process	Tatsuaki Furumoto, Kyota Egashira, Norio Yoshida and Akifumi Nakamura	409_A4	
3	11:00	11:20	80	Ability of the Deformation of Titanium Sheet by Hot Single Point Incremental forming Technology	Vo Tuyen, Le Khanh Dien, Nguyen Tan Hung, Nguyen Thanh Nam and Tran Trong Hy	409_A4	
Technical Session 4 - Advanced Mechatronics Devices, Sensing and Control 1							
21st October [Saturday] / Session Chair: Prof. Nobuyuki Iwatsuki							
No	From	To	Paper ID	Title	Authors	Room	Note
1	10:20	10:40	10	Novel Quasi-Continuous Nonsingular Terminal Sliding Mode Controller for Output Feedback Tracking Control of Robot Manipulators	Anh Tuan Vo, Hee – Jun Kang and Tien Dung Le	410_A4	
2	10:40	11:00	24	Flexibly Constrained Revolute Pair for Safe Robot Mechanisms	Naoto KIMURA, Nobuyuki IWATSUKI and Ikuma IKEDA	410_A4	
3	11:00	11:20	49	Tube-Based Robust Model Predictive Control Law for Uncertain Nonlinear Inverted Pendulum Systems	Dao Phuong Nam, Nguyen Van Huong, Mai Xuan Sinh, Duong Ba Hai Dang and Cao Thanh Trung	410_A4	
4	11:20	11:40	5	A Study on a Displacement Control on an Excavator Travel Motor with Electro Hydrostatic Actuator	Hwang Hun Jeong and Jong Il Yoon	410_A4	
Technical Session 5 Renewable Energy and Smart Grid 2							
21st October [Saturday] / Session Chair: Prof. Truong Quang Dinh							
No	From	To	Paper ID	Title	Authors	Room	Note
1	14:00	14:20	84	Influence of Heat Recovery Time on Adsorption Cooling System	Duong Xuan Quang, Ngoc Vi Cao and Jae Dong Chung	407_A4	
2	14:20	14:40	88	Transient Stability Improvement of Doubly Fed Induction Generator for Wind Turbine in Power System	Nguyen Huu Vinh, Cao Minh Tien, Nguyen Hung and Le Kim Hung	407_A4	
3	14:40	15:00	42	Exergy analysis of Silica gel/water adsorption cooling system based on numerical simulation	Ngoc Vi Cao, Xuan Quang Duong and Jae Dong Chung	407_A4	
Technical Session 6 - Advanced Mechatronics Devices Sensing and Control 2							
21st October [Saturday] / Session Chair: Prof. Huy Anh Pham Ho							
No	From	To	Paper ID	Title	Authors	Room	Note

1	14:00	14:20	45	Adaptive Optimal Control Law for Uncertain Nonlinear Inverted Pendulum System: An Adaptive Dynamic Programming Approach	Dao Phuong Nam, Nguyen Thanh Long, Pham Tam Thanh, Nguyen Van Huong and Ha Duc Minh	408_A4	
2	14:20	14:40	48	Adaptive Input Shaping for vibration control of an Electrohydraulic Elastic Manipulator with a Variable Stiffness Actuator	Minh Nhat Nguyen, Duc Thien Tran and Kyoung Kwan Ahn	408_A4	
3	14:40	15:00	61	The Hybrid Neural Adaptive Controller for Heading and Depth Control of Autonomous Underwater Vehicles	Chau Giang Nguyen, Viet Anh Pham and Duy Anh Nguyen	408_A4	
4	15:00	15:20	86	Controller Design for Ballbot Using Nonlinear Model Predictive Control	Trong Hieu Bui and Huu Than Nguyen	408_A4	
Technical Session 7 Production Systems 2							
21st October [Saturday] / Session Chair: Prof. Byung Ryong Lee							
No	From	To	Paper ID	Title	Authors	Room	Note
1	14:00	14:20	25	Study on Interaction Control for Contact Robotics	Chi Thanh Nguyen, Tae Un Kim, Jae Woo Lee and Soon Yong Yang	409_A4	
2	14:20	14:40	75	Remote Control of Excavator Using Smart Observation System	Quang Hoan Le, Chi Thanh Nguyen, Sung Woong Choi, Tae Un Kim and Soon Yong Yang	409_A4	
3	14:40	15:00	66	2D Vision-Based Automatic Defect Detection for Tube Manufacturing	Chi Tho Cao, Van Phu Do and Byung Ryong Lee	409_A4	
Technical Session 8 - Sustainable Automotive Technologies							
21st October [Saturday] / Session Chair: Prof. Thanh Cong Huynh							
No	From	To	Paper ID	Title	Authors	Room	Note
1	14:00	14:20	50	Launch maneuver in Hybrid Vehicle: Electric Motor assistance to limit Temperature Rise in Automated Dry Clutch	Mario Pisaturo and Adolfo Senatore	410_A4	
2	14:20	14:40	69	Piston motion control of a free-piston engine generator: PID and Fuzzy logic control	Vu Dinh Nam, Nguyen Ba Hung and Ocktaeck Lim	410_A4	
3	14:40	15:00	77	Effect of biodiesel fraction on auto-ignition of gasoline biodiesel blended fuel	Vu Dinh Nam, Kyeonghun Jwa and Ocktaeck Lim	410_A4	
4	15:00	15:20	93	Predicting lithium-ion battery calendar degradation	Widanalage Dhammika Widanage	410_A4	

Technical Session 9 - Composite and Polymer Materials 2						
21st October [Saturday] / Session Chair: Prof. Young Jin Yum						
No	From	To	Paper ID	Title	Authors	Room Note
1	15:40	16:00	92	Design and manufacture of the equipment for the fabrication of carbon /epoxy prepreg composites	Pham Thanh Nhut and Ta Van Do	410_A4
2	16:00	16:20	73	Effect of water absorption on the mechanical properties of PA6/PP composite materials	Ta Van Do, Van Tho Hoang and Doo-Man Chun	410_A4
3	16:20	16:40	74	A Study on the Production of Full-Additive Manufacturing Punch fabricated of High-Strength Mold Steel Powder Materials Using 3DP Technique	Yong Seok Kim, Li Rui, Van Tho Hoang, Jong Won Kum, Young Jin Yum and Soon Yong Yang	410_A4
Technical Session 10 - Advanced Mechatronics Devices, Sensing and Control 3						
21st October [Saturday] / Session Chair: Prof. Trong Hieu Bui						
No	From	To	Paper ID	Title	Authors	Room Note
1	15:40	16:00	18	Modeling and Control System Design of Four Wheel Independent Steering Automatic Guided Vehicle Based on Optimal Control Method	Dae Hwan Kim, Trong Hai Nguyen and Sang Bong Kim	408_A4
2	16:00	16:20	53	Adaptive Sliding Mode Control Law for Uncertain Nonlinear Multi Motor System	Dao Phuong Nam, Pham Tuan Thanh, Tran Xuan Tinh, Tran Thanh Dat and Tran Van Tuyen	408_A4
3	16:20	16:40	63	A New Approach to Smooth Control of a Linear Delta Robot with a Desired Trajectory	Tan Thong Vo, Chau Giang Nguyen, Tri Cong Phung and Duy Anh Nguyen	408_A4
4	16:40	17:00	81	Research and Design of Automated Guided Vehicle to Serve in the Industrial Warehouse	Chi Tong Nguyen, Ha Quang Thinh Ngo and Anh Son Tran	408_A4
Technical Session 11 - Production Systems 3						
21st October [Saturday] / Session Chair: Prof. Quang Truong Dinh						
No	From	To	Paper ID	Title	Authors	Room Note
1	15:40	16:00	46	Development of Machining System of Tactile Globe for Visually Impaired (Outline of the System)	Yukitoshi IMAMOTO, Naoki ASAKAWA and Keigo TAKASUGI	409_A4
2	16:00	16:20	47	Defect Detection Using Machine Vision for Leather Surface Inspection	Hoang Giang Nguyen and Huu Cuong Nguyen	409_A4
3	16:20	16:40	91	Oil care technology for practical services	Dao Duy Tung, Bui Van Ha and Stauff group	409_A4

4	16:40	17:00	54	Structured light 3D-Vision-based Automatic Windshield Installation System	Van Phu Do, Kyung Haeng Woo, Jae Min MA, Dong Ik Kim and Byung Ryong Lee	409_A4	
Technical Session 12 Advanced Mechatronics Devices, Sensing and Control 4							
21st October [Saturday] / Session Chair: Dr. Trong Tai Nguyen / Dr. Quoc Nguyen Banh							
No	From	To	Paper ID	Title	Authors	Room	Note
1	15:40	16:00	90	PID Control With Active Anti-roll Bar System Using Pumpcontrolled Electrohydraulic Actuator	Keunhui Jeong, Hyunggyu Park and Kyoung Kwan Ahn	410_A4	
2	16:00	16:20	51	Investigation and Implementation of Trajectory Tracking Controller for AGV Robot in Warehouse Service	Anh Son Tran, Trung Dung Nguyen, Chi Tong Nguyen, Ha Quang Thinh Ngo, Truong Giang Nguyen and Phan Hoang Chieu Le	410_A4	
3	16:20	16:40	32	Indirect adaptive backstepping control via Radial Basis Function Neural Network for Electro-Hydraulic Actuator	Duc Thien Tran, Minh Nhat Nguyen, Xuan Dinh To, Hoai Vu Anh Truong, Keunhui Jeong, Giho Jun and Kyoung Kwan Ahn	410_A4	
4	16:40	17:00	3	Extract Geometry Model of the Street based on Edge Properties and Motion	Hoang-Hon Trinh and Van-Tuyen Dinh	410_A4	
Technical Session 13 - Advanced Mechatronics Devices, Sensing and Control 5							
21st October [Saturday] / Session Chair: Prof. Kyoung Kwan Ahn							
No	From	To	Paper ID	Title	Authors	Room	Note
1	15:40	16:00	23	Steering Control of a Centipede Robot Composed of 1-DOF Leg Mechanism Units Jointed with Passive Joint	Jun IGARASHI, Ikuma IKEDA, Nobuyuki IWATSUKI	411_A4	
2	16:00	16:20	33	Adaptive Fast Terminal Sliding Mode Control for piezo positioning stage	Xuan Dinh To and Kyoung Kwan Ahn	411_A4	
3	16:20	16:40	17	Development of Modifiable and Addible Tool Path Generation Method using Surface Parameter	Keigo TAKASUGI, Hiroya HAMAMATSU, Yoshitaka MORIMOTO and Naoki ASAKAWA	411_A4	
Technical Session 14 Advanced Mechatronics Devices Sensing and Control 6							
22nd October [Sunday] / Session Chair: Prof. Thanh Tung Luu							
No	From	To	Paper ID	Title	Authors	Room	Note
1	10:20	10:40	65	A Study on 3D Walking Gait Planning for 12DoFs Biped Robot Implementation on UXA90-Light	Tri Dung Nguyen, Ba Long Chu, Thien Phuc Tran and Tan Tien Nguyen	407_A4	

2	10:40	11:00	82	Design and Control of Industrial Servo Motors for Pick and Place Robot in the Semiconductor	Hong Sam Luong, Van Ngoc Son Huynh, Ha Quang Thinh Ngo and Anh Son Tran	407_A4	
3	11:00	11:20	83	Research and Develop of Motion Controller for Handling Robot in the Industrial Semiconductor	Hong Sam Luong, Tan Sang Le, Ha Quang Thinh Ngo and Anh Son Tran	407_A4	
4	11:20	11:40	21	Optimal Robotic Workcell Setup and Redundancy Resolution of a 6R Articulated Welding Robot	Ngoc Chi Nam Doan, Qun Han Chen and Wei Lin	407_A4	
Technical Session 15 - Composite and Polymer Materials 1							
22nd October [Sunday] / Session Chair: Prof. Young Jin Yum							
No	From	To	Paper ID	Title	Authors	Room	Note
1	10:20	10:40	16	Geometrical Machinability of Inclined Planetary Milling considering Fiber Orientation of CFRP	Takahiro KAWAMURA, Hidetake TANAKA and Haruhisa SAKAMOTO	408_A4	
2	10:40	11:00	70	A Study on the Prediction of Punch Shape Range for Improving Punch Strength by Partial Semi-Additive Method Using Metal 3D Printing Technique (57)	Li Rui, Van Tho Hoang, Jong Won Kum, Yong Seok Kim, Young Jin Yum and Soon Yong Yang	408_A4	
3	11:00	11:20	72	Effect of multi-walled carbon nanotubes and fabrication methods on tensile properties of glass fiber/ polyester composite materials	Van-Tho Hoang and Young-Jin Yum	408_A4	
Technical Session 16 Precision Measuring Technology 1							
22nd October [Sunday] / Session Chair: Prof. Fang Jung Shiou							
No	From	To	Paper ID	Title	Authors	Room	Note
1	10:20	10:40	67	Investigation of Friction Characteristics of Polymer Thin Films Using Atomic Force Microscope	Dang Quang Nguyen, Gia Hau Nguyen, Minh Hien Thi Nguyen, Eun Suok Oh and Koo Hyun Chung	409_A4	
2	10:40	11:00	68	Assessment of Nanoscale Wear Using Atomic Force Microscopy	Tien Van Tran, Bien Cuong Tran Khac and Koo Hyun Chung	409_A4	
3	11:00	11:20	87	Optimization parameters for small ball-burnishing using 3-axis machine centers on complex Polymax surfaces	Quoc-Nguyen Banh, Quoc-Toan Truong and Fang-Jung Shiou	409_A4	
Technical Session 17 - BioEngineering and Mechatronics Applications in Life Sciences							
22nd October [Sunday] / Session Chair: Dr. Tran Hai Nam							
No	From	To	Paper ID	Title	Authors	Room	Note

1	10:20	10:40	39	Study on the response of the lower limb rehabilitation actuator using pneumatic cylinder	Dao Minh Duc, Pham Dang Phuoc and Tran Xuan Tuy	410_A4	
2	10:40	11:00	40	Research on reading muscle signals from the EMG sensor during knee flexion - extension using the Arduino Uno controller.	Duc Minh Dao and Tram Thuy Le	410_A4	
3	11:00	11:20	43	Brain Tumor Segmentation of FLAIR MRI Volumes Using FCNNs	Hai Thanh Le and Hien Thi-Thu Pham	410_A4	
4	11:20	11:40	44	Development of Body-powered Prosthetic Hand for Non-dominant Hand Use	Yutaro Matsui and Koji Teramoto	410_A4	
5	11:40	12:00	95	Activities of Korea Institute of Industrial Technology in the Field of Renewable Energy and their Technology Transfer	Nguyen Minh Hong Thuy, Nguyen Hoang Vu and Yun Seok Lee	410_A4	
Technical Session 18 MEMS/NEMS and Micro/Nano Manufacturing							
22nd October [Sunday] / Session Chair: Prof. Tadahiko SHINSHI							
No	From	To	Paper ID	Title	Authors	Room	Note
1	14:00	14:20	12	Fast fabrication of superhydrophobic metals using laser ablation combined with heat treatment and their applications	Chi Vinh Ngo and Doo-Man Chun	407_A4	
2	14:20	14:40	13	Research on the AOI System and the Tapping Forces for a Micro Fluteless Tap	Fang-Jung Shiou, Geo-Ry Tang, Jeng-Lung Chiang and Jung-Wei Chou	407_A4	
3	14:40	15:00	30	A Two-DOF MEMS Actuator Utilizing a Multi-pole Magnetized Permanent Magnet	Noriei AZUMA, Shunya TANAKA, Ryogen FUJIWARA, Tadahiko SHINSHI and Kenichi SUZUKI	407_A4	
4	15:00	15:20	71	Fabrication and characterization of microlens array manufactured from microfluidic chip	Pin-Chuan Chen and Ren-Hao Zhang	407_A4	
Technical Session 19 Precision Measuring Technology 2							
22nd October [Sunday] / Session Chair: Prof. Huy Hoang Pham							
No	From	To	Paper ID	Title	Authors	Room	Note
1	14:00	14:20	27	A Fast Steering Mirror Driven by Voice Coil Motors and Supported by a Super Elastic Rod	Kouki AKENO, Daisuke SHIMIZU, Tadahiko SHINSHI, Kazuhide KODEKI and Kazuhiko FUKUSHIMA	408_A4	
2	14:20	14:40	34	Development High Precision Displacement Transducers for Measurement and Control in Material Testing instruments	Luong Hong Sam and Bui Duc Vinh	408_A4	

3	14:40	15:00	62	The effectiveness of process parameters to the tensile strength of FDM product based on DOE and ANN	Nghi Huynh Huu, Luan Ha Ngoc, Tuan Nguyen Anh and Ha Thai Thi Thu	408_A4
4	15:00	15:20	64	Application of ANN in predicting the behavior of flexural strength of the product FDM technology	Huynh Huu Nghi, Pham Sy Minh, Tho Nguyen Huu and Ha Thai Thi Thu	408_A4
Technical Session 20 - Advanced Mechatronics Devices Sensing and Control 7						
22nd October [Sunday] / Session Chair: Prof. Sung Hyun Kim / Dr. Cong Bang Pham						
No	From	To	Paper ID	Title	Authors	Room
1	14:00	14:20	6	Design the Yellow head virus syndrome recognition application for shrimp on embedded system	Chi Cuong Tran, Dinh Tu Nguyen, Hoang Dang Le, Trong Hieu Luu and Quoc Bao Truong	409_A4
2	14:20	14:40	19	Control Synthesis of Nonhomogeneous Markovian Jump Systems with Actuator Saturation	Ngoc Hoai An Nguyen and Sung Hyun Kim	409_A4
3	14:40	15:00	38	System Implementation for Non-axisymmetric Aspheric Ultraprecision Machining Using Piezoelectric Fast Tool Servo	Kuo-Ming Chang, Wen-Tien Cheng and Yung-Tien Liu	409_A4
Technical Session 21 - Advanced Mechatronics Devices Sensing and Control 8						
22nd October [Sunday] / Session Chair: Prof. Tuong Quan Vo						
No	From	To	Paper ID	Title	Authors	Room
1	14:00	14:20	85	A controller for train-car semi-active suspensions based on fuzzy-predicting compensator and sliding mode technique	Sy Dzung Nguyen, Quoc Hung Nguyen, Bao-Danh Lam, Thanh-Phong Dao, Tae Il Seo and Chang Woo Son	410_A4
2	14:20	14:40	59	Development of An Automatic Sign Language Translator using Image Processing and Artificial Neural Network	Nguyen Tran Luan, Le Trung Truong, Truong Tri Huu and Bui Ha Duc	410_A4
3	14:40	15:00	89	Parameter Identification of PMSM Machine Using Modified Differential Evolution Algorithm	Ho Pham Huy Anh and Pham Quoc Khanh	410_A4
Technical Session 22 - Advanced Mechatronics Devices, Sensing and Control 9						
22nd October [Sunday] / Session Chair: Prof. Hee Jun Kang / Dr. Triet Hung Ho						
No	From	To	Paper ID	Title	Authors	Room
1	15:40	16:00	11	A Fault Tolerant Control for Robot Manipulators Using a Neural Network Observer and a Third-Order Sliding Mode Observer	Van Cuong Nguyen, Anh Tuan Vo and Hee Jun Kang	407_A4

2	16:00	16:20	8	An Observer Based Robust Adaptive Fuzzy Control for a Pump- controlled Electro-hydraulic Actuator	Gilho Jun, Taewook Ha and KyoungKwan Ahn	407_A4	
3	16:20	16:40	60	Grey Predictor-based Neural Network Controller for Force Control of an EHA System	Dao Thanh Liem, Truong Quoc Thanh, Ngo Thi Hong Tam, Huynh Van Nam, Huynh Le Minh, and Kyoung Kwan Ahn	407_A4	
4	16:40	17:00	79	Design and Verification of Variable Displacement Vane Pump for Engine Lubrication	Truong Minh Ngoc BUI, Truong Quang DINH, Thanh Quoc TRUONG, Liem Thanh DAO and Kyoung Kwan AHN	407_A4	
Technical Session 23 - Advanced Mechatronics Devices, Sensing and Control 10							
22nd October [Sunday] / Session Chair: Prof. Sang Hoon Ji							
No	From	To	Paper ID	Title	Authors	Room	Note
1	15:40	16:00	14	Adaptive control for the under-actuated gripper in the object grasping tasks using the CCD camera and Laser-Based Slippage Estimation	Xuan Vinh Ha, Cheolkeun Ha and Trang Thi Tran	408_A4	
2	16:00	16:20	36	Defect Recognition of Valve Holes Based on GLCM and SVM	QINGQIANG BU, MINGXING LIN, YAN HUANG and XIAOJIAN WU	408_A4	
3	16:20	16:40	52	Recognition of Daily Activities Using Inertial Sensors of a Smart Band	Phuc Huu Truong, Sujeong You, Sang Hoon Ji and Gu-Min Jeong	408_A4	
4	16:40	17:00	55	Comparing Convolutional Neural Networks In Vietnamese Scene Text Recognition	Le Ngoc Thuy	408_A4	
Technical Session 24 Advanced Mechatronics Devices, Sensing and Control 11							
22nd October [Sunday] / Session Chair: Prof. Tan Tien Nguyen							
No	From	To	Paper ID	Title	Authors	Room	Note
1	15:40	16:00	9	Adaptive Pid Control Based On A Sliding Mode For Electro-Hydraulic Rotary Actuator	Ha Taewook, Nguyen Minh Tri, Gilho Jun, Yanghun Im and Kyoung Kwan Ahn	409_A4	
2	16:00	16:20	15	A Study on Application of Image Processing for Trajectory Control of a 5 DOF Robot	Duc Tai Pham, Tri Cong Phung	409_A4	
3	16:20	16:40	58	Statistic and Fuzzy Observer based Fault Detection and Isolation for Manipulators	Cao Thanh Trung, Hoang Minh Son and Dao Phuong Nam	409_A4	
4	16:40	17:00	78	Self-learning robust neural-network-based control of a 2DOF robot	Dang Xuan Ba, Duc Thien Tran and Joonbum Bae	409_A4	

Technical Session 25 Renewable Energy and Smart Grid 3						
22nd October [Sunday] / Session Chair: Dr. Ravi Kumar Cheedarala						
No	From	To	Paper ID	Title	Authors	Room Note
1	15:40	16:00	37	A Study of Low-cost Triboelectric Nanogenerators as a Self-powered Device	Chau Duy Le, Ravi Kumar Cheedarala and Kyoung Kwan Ahn	407_A4
2	16:00	16:20	76	DI Water and cPTE based Triboelectric Nanogenerator (FluTENG) with a Comparison of Contact and Sliding Mode	Ravi Kumar Cheedarala, Syed Abu Nahian and Kyoung Kwan Ahn	407_A4
3	16:20	16:40	26	Two-stage led driver with power factor correction	Ngo Thanh Tung, Le Minh Phuong, Nguyen Minh Huy and Nguyen Dinh Tuyen	407_A4
Technical Session 26 - Advanced Mechatronics Devices, Sensing and Control 12						
22nd October [Sunday] / Session Chair: Prof. Sang Bong Kim						
No	From	To	Paper ID	Title	Authors	Room Note
1	15:40	16:00	1	Force Reflecting Teleoperation with Bilateral Joystick Control in Construction Vehicles	Truong Minh Ngoc BUI, Truong Quang DINH, Thanh Quoc TRUONG, Liem Thanh DAO and Kyoung Kwan AHN	411_A4
2	16:00	16:20	2	Online Estimation of Battery Parameters and State of Charge Using Continuous Time Domain Identification Method	Cheng Zhang, Quang Truong Dinh, Walid Allafi, James Marco and Jong Il Yoon	411_A4
3	16:20	16:40	56	MR Fluid Damper Modeling using Self-Tuning Lyapunov-based Fuzzy Method	Dao Thanh Liem, Truong Quoc Thanh, Trinh Tien Tho, Nguyen Minh Huy, Dinh Quang Truong, Bui Ngoc Minh Truong and Kyoung Kwan Ahn	411_A4
4	16:40	17:00	94	Design and Control of Advanced Mechanism for Adaptive Performance Optimization of a Wave Energy Converter	Truong Quang DINH, Truong Minh Ngoc BUI, Thanh Quoc TRUONG, Tri Minh NGUYEN, Jong Il YOON and Kyoung Kwan AHN	411_A4