PRESM2023_Poster PT Schedule_v2

Ocean Hall, Bankoku Shinryokan, Okinawa, Japan

Abstract No.	Role	Category	PT Date	Time	Topics	Title	Presenter First Name	Presenter Last Name	Presenter Affiliation	Corresponding First Name	Corresponding	Corresponding Affiliation
PRESM2023-A004	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Research for the application of enhanced representative heat source model of fiber laser welding for 9% Nickel steel (ASTM A533-1)	Changmin	Pyo	Korea Institute of Industrial Technology	Jaewoong	Kim	Korea Institute of Industrial Technology
PRESM2023-A018	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	An improved Z-MAP method using SQP algorithm for surface topography simulation of ball-end milling	Yukun	Xiao	Shanghai Jiao Tong University	Zhengchun	Du	Shanghai Jiao Tong University
PRESM2023-A025	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Development of mold core processing technology for molding large-diameter meniscus aspherical lens for automotive LiDAR	MyeongJin	Ko	Korea Institute of Industrial Technology	SoonSub	Park	Korea Institute of Industrial Technology
PRESM2023-A027	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Defects-free Surface Modification of Mold Steels using Tilted Irradiations of Large Pulsed Electron Beam (LPEB)	Yonghoon	Lee	Kyungpook National University	Jisoo	Kim	Kyungpook National University
PRESM2023-A033	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Research to optimize of infrared ray heating technology	Haeyong	Yun	Korea Institute of Robotics & Technology Convergence	Yongjun	Choi	Korea Institute of Robotics & Technology Convergence
PRESM2023-A038	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Effect of Substrate Stiffness on the Collision Dynamics of a Liquid Droplet	Sanghyun	Lee	Dong-Eui University	Sangmin	Lee	Dong-Eui University
PRESM2023-A044	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Effect of Cutting properties using Cryogenic(LN2) Cooling Method in End-milling of Ti-6Al-4V	Min-Suk	Park	Korea Institute of Industrial Technology	Mi-Ru	Kim	Korea Institute of Industrial Technology
PRESM2023-A047	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Development of Rapid Cooling Technology for Injection Molds Through Active Control of Liquefied Gas	Mi Jin	Kim	Gwangju University	Jae Hyuk	Choi	Gwangju University
PRESM2023-A056	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	A Study on the Residual Stress Characteristics of UNSM Treatment after Deposition of H13 on Die Steel	Ki Yong	Lee	Korea Institute of Industrial Technology	Gyeong Yun	Beak	Gwangju University
PRESM2023-A057	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Residual stress characteristics according to inclination angle during UNSM treatment of die steel	Gwangyong	Shin	Korea Institute of Industrial Technology	Gyeong Yun	Beak	Gwangju University
PRESM2023-A064	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Direct micropatterning of Cu using polymer electrolyte membrane stamp	Atsuki	Tsuji	Ritsumeikan University	Junji	Murata	Ritsumeikan University
PRESM2023-A067	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	A Rapid Fabrication of Structural Supercapacitors through Laser Hydrothermal Synthesis of Cobalt Hydroxide on Woven Carbon Fibers	Taeyong	Kim	Kyungpook National University	Jisoo	Kim	Kyungpook National University
PRESM2023-A076	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Surface Measurement of Silicon Wafer Using Phase Extraction Based on Deep Learning and Fizeau Interferometer	Jurim	Jeon	Pusan National University	Yangjin	Kim	Pusan National University
PRESM2023-A077	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Design of a Composite Truncated Elliptical Rotary Shell Based on Variable-angle Trajectories	Jiuru	Lu	Donghua University	Jun	Hu	Donghua University
PRESM2023-A086	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Study on the influence of cutting-edge roundness on gear tooth profile error in gear skiving	Shuta	Irako	The University of Tokyo	Zongwei	Ren	The University of Tokyo
PRESM2023-A108	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Friction stir butt welding of AA6061-T6: impact of post-weld heat treatment on microstructure and mechanical properties.	Van Cong	Phan	University of Ulsan	Sung-Tae	Hong	University of Ulsan
PRESM2023-A126	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Feasibility study on the Fabrication of Carbon-nanotube reinforced Al-Si-Cu alloy matrix composites by Oxygen-Replacing Die casting	Seong Hyo	Oh	Korea Institute of Industrial Technology	JinYoung	Park	Korea Institute of Industrial Technology
PRESM2023-A138	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Optimization of design parameters of porous interlayer for electrically assisted pressure joining	Hyeon Seok	Choi	University of Ulsan	Sung-Tae	Hong	University of Ulsan
PRESM2023-A154	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Evaluation of Mechanical Properties and Thermal Effects of Titanium Alloys Specimens Fabricated to Cryogenic Machining	WangHo	Yun	Korea Institute of Industrial Technology	HoonHee	Lee	Korea Institute of Industrial Technology
PRESM2023-A158	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Evaluation of the Relationship between Grinding Conditions and Removal Depth for Modeling Chemical Removal Action in RISA Grinding	Hinata	Takamaru	Keio University	Yasuhiro	Kakinuma	Keio University
PRESM2023-A167	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Alternative Tempering Process for Post Weld Heat Treatment Using Wire Arc Additive Manufacturing in PWR Repair Welding	Junyeong	Kim	Chosun University	Dongjin	Kim	Korea Institute of Industrial Technology
PRESM2023-A174	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Development of high efficiency machining technology combined with grinding and magnetic assisted polishing for Si3N4 ceramic ball bearing	Seung-min	Lee	Gyeongsang National University	Tae-Soo	Kwak	Gyeongsang National University
PRESM2023-A177	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Design and Manufacturing of Anatomical Plates for Clavicles using Additive Manufacturing	Sanghhun	Lee	Keimyung University	Donghuyn	Kim	Korea Institute of Industrial Technology
PRESM2023-A178	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Material Removal Rate Prediction for CMP Based on XGBoost Considering Pad Surface Roughness	Jongmin	Jeong	Pusan National University	Haedo	Jeong	Pusan National University
PRESM2023-A180	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	3D-printed Flexible Piezoelectric PZT-NC Anisotropic Films with Aligned Cellulose Nanofibers	Muhammad	Latif	Inha University	Jaehwan	Kim	Inha University
PRESM2023-A186	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	3D-printed High Concentration Nanocellulose Crosslinked with Tannic Acid for Environmentally Friendly Structural Applications	Yangxiaozhe	Jiang	Inha University	Jaehwan	Kim	Inha University
PRESM2023-A203	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Study on Surface Machining and Measurement Technology for Optical Parts Using Additive Manufacturing Process	Geonhee	Kim	Hanbat National University	Geonhee	Kim	Hanbat National University
PRESM2023-A204	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	A Study on the Change in Surface Characteristics during Ultra-precision Grooving Pattern Machining of Germanium	Joong Kyu	Ham	Hanbat National University	Geon Hee	Kim	Hanbat National University
PRESM2023-A228	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	A Study on the Response Characteristics of Flexible Pressure Sensor according to Sensor Design	Chae Young	Park	Chungbuk National University	In Hwan	Lee	Chungbuk National University
PRESM2023-A231	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	A study on Fabrication for High-Aspect-Ratio Micro-Mesh Pattern Using SPPW hybrid DMD Process	Do Hyeog	Kim	Changwon National University	Young Tae	Cho	Changwon National University
PRESM2023-A247	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Optimization of Magnetic and Mechanical Properties of Selective Laser Melted NiFe Soft Magnetic Composites	Yu-Ming	Hsu	National Cheng Kung University	ChunHui	Chung	National Cheng Kung University
PRESM2023-A259	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Surface Finishing for Corrosion Resistance of Stainless Steel in Marine Environment	ROCKHOON	JUNG	SAMSUNG HEAVY INDUSTRIES			
PRESM2023-A280	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Optimization of Direct Energy Deposition Process Parameters for Inconel 718 Alloy Using Response Surface Methods	SungMoon	Yang	Daegu University	JaeHyun	Yu	Daegu University
PRESM2023-A281	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Analysis of hole quality in micro drilling of metal-oxide nanostructured CFRP composites	Abhipsa	Kar	Indian Institute of Technology (Indian School of Mines), Dhanbad	Abhipsa	Kar	Indian Institute of Technology (Indian School of Mines), Dhanbad
PRESM2023-A282	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Pellet extrusion device design of FDM 3D Printer	Jeongmok	Han	Dankook University	Ji-Hyeon	Song	Dankook University
PRESM2023-A293	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Optimization of YSZ sputter parameters for thickness uniformity on large area substrate.	Jaewon	Yoo	Seoul National University	Suk Won	Cha	Seoul National University
PRESM2023-A300	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Post heat treatment optimization to tailor the properties of automotive parts in hot stamping	Seunghoon	Cha	Gyeongbuk Technopark	Seunghoon	Cha	Gyeongbuk Technopark
PRESM2023-A303	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Thermal analysis of titanium alloy with cryogenic machining	Song Hyeon	Ju	Chung-Ang University	JUNGSOO	NAM	Korea Institute of Industrial Technology
PRESM2023-A305	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Material Removal Characteristics of SiC CMP Using Photocatalytic Oxidation	Hyunseop	Lee	Dong-A University	Hyunseop	Lee	Dong-A University
PRESM2023-A306	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Structural Analysis and Damage Mode Analysis for Remanufacturing of a Shaft Used in an Aging Planer Miller	Tae Woo	Kim	Changwon National University	Dae Sun	Hong	Changwon National University
PRESM2023-A308	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Optimization of 3D printing parameter using screw-based extruder	Song Hyeon	Ju	Chung-Ang University	Jungsoo	Nam	Korea Institute of Industrial Technology
PRESM2023-A309	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Investigation of Chatter Growth and Suppression Characteristics in Spindle Speed Variation Depending on FRF shape	Soohyun	Nam	Korea Institute of Industrial Technology	Kyung-Hee	Park	Korea Institute of Industrial Technology
PRESM2023-A312	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Effect of Initial Filament Moisture Content on Mechanical Behavior of ABS 3D FDM Printed Products	SeokHwan	Jung	Dankook University	Sung-Han	Rhim	Dankook University
PRESM2023-A313	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Chip morphology and tool wear in ultrasonic-assisted side milling of titanium alloys	Yen Hao	Chang	National Chung Hsing University	JENQ-SHYONG	CHEN	National Chung Hsing University
PRESM2023-A315	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Approach Towards Green Manufacturing in Maglev EDM Using Different Bio-dielectrics at Variable Discharge Conditions	Rajesh	Sahoo	Indian Institute of Technology (ISM) Dhanbad	Rajesh	Sahoo	Indian Institute of Technology (ISM) Dhanbad

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PRESM2023-A321	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Effect of Post-processing on Machinability of Surgical Model Fabricated with Binder Jetting Printer.	HyunJun	Noh	Dankook University	Sung Han	Rhim	Dankook University
PRESM2023-A322	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Tool Wear Estimation in Milling Process by Combined Classification and Regression Models	Hyein	Kim	Korea Institute of Industrial Technology	Jeongin	Koo	Korea Institute of Industrial Technology
PRESM2023-A323	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	A study on interaction characteristics and channel fabrication using nanosecond laser on carbon nanotube composites	Seungeun	Baek	Kongju National University	Dongkyoung	Lee	Kongju National University
PRESM2023-A344	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Robust Integer Optimization of Turning Parameters Based on Tool Wear and Manufacturing Cost	Agus	Andrianto	National Cheng Kung University	Chunhui	Chung	National Cheng Kung University
PRESM2023-A355	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Simulation of drawing lithography models to fabricate high aspect ratio structures	Je Min	Lee	Changwon National University	Young Tea	Cho	Changwon National University
PRESM2023-A370	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Study on the effect of the built-up-edge on tool wear in machining of STAVAX	Sangjin	Maeng	Hongik University	Sangjin	Maeng	Hongik University
PRESM2023-A371	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Integrating Remaining Useful Life Prediction Model and Block Replacement Model for Preventive Maintenance in Mechanical Systems	Young-Suk	Choo	Hanyang University	Seung-Jun	Shin	Hanyang University
PRESM2023-A373	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	A Study on the Reduction of Micro-Surface Deflection Using 6 Sigma	Jihye	An	Ulsan Technopark	Bosung	Choi	Ulsan Technopark
PRESM2023-A374	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Real-time deposited geometry monitoring based deposition path generation in DED process	Segon	Heo	Korea Institute of Machinery and Materials	Segon	Heo	Korea Institute of Machinery and Materials
PRESM2023-A393	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	The Effect of Laser Parameters on Removal of By-Products for Weld Bead during Laser Cleaning	Youngjin	Seo	Kongju National University	Dongkyoung	Lee	Kongju National University
PRESM2023-A406	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Feasibility Study of a Robotic Drilling Process for Additively Manufactured Titanium Alloys	Kangwoo	Shin	Korea Institute of Industrial Technology	Tae-Gon	Kim	Korea Institute of Industrial Technology
PRESM2023-A408	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Effects of Slurry pH on the Gallium Oxide CMP	Hokyoung	Jung	Korea Institute of Industrial Technology	Hyoungjae	Kim	Korea Institute of Industrial Technology
PRESM2023-A409	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	A study of comparison with simulation results and amounts of micro-surface deflection according to die compensation method	Kyung Cheol	Kim	Ulsan TechnoPark	Bosung	Choi	Ulsan TechnoPark
PRESM2023-A415	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Improving Cutting Tool Performance Through Additive Manufacturing: A Study on Face Cutters Manufactured by Powder Bed Fusion	Dong Gyu	Kim	Daegu Mechatronics and Materials Institute	Dong Gyu	Kim	Daegu Mechatronics and Materials Institute
PRESM2023-A422	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Pad Surface Roughness and Hydrodynamic Pressure Effects on Material Removal in Chemical Mechanical Polishing	Youngwook	Park	Korea Institute of Industrial Technology	Heado	Jeong	Pusan National University
PRESM2023-A426	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Enhanced Planarization Model for Copper CMP Considering Temperature and Pressure Distribution on Pattern	Yeongil	Shin	Pusan National University	Haedo	Jeong	Pusan National University
PRESM2023-A439	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Direct Patterning of Cu Trace on 3D Plastic Substrate	Woosung	Han	Chosun University	Jae B.	Kwak	Chosun University
PRESM2023-A448	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Effect of Tool Surface on Micro Grinding of Cemented Carbide	Bo Hyun	Kim	Soongsil University	Bo Hyun	Kim	Soongsil University
PRESM2023-A449	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Mechanical and Microstructure Properties of SUS 316L-VCr Tool Steel Multi-materials Fabricated by DED	Junyeong	Park	Korea Institute of Industrial Technology	Jeonghong	Ha	Korea Institute of Industrial Technology
PRESM2023-A453	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Ni-Fe-CoSe2 Super Hydrophilic Thin Film Electrodeposited on Ni Foam	ChangHoon	Kim	Chosun University	Jae B.	Kwak	Chosun University
PRESM2023-A485	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Comparative analysis of CFRP hole entrance quality for the robotic drilling process	Taehwa	Hong	Korea Institute of Industrial Technology	Seong Hyeon	Kim	Korea Institute of Industrial Technology
PRESM2023-A490	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Investigation of agitation effects in dry electrochemical polishing via machining characterization using a single solid electrolyte particle	SeongUng	Kwak	Chosun University	JeongWoo	Park	Chosun University
PRESM2023-A499	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Fabrication of Vitreous Carbon Mold for Chalcogenide Wafer Scale Lens Array	Young Kyu	Kim	Chung-Ang University	Seok-min	Kim	Chung-Ang University
PRESM2023-A500	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Surface Roughness of High-hardness Mold Material according to Cutting Conditions	Jong Su	Kim	Korea Institute of Industrial Technology	Jong Su	Kim	Korea Institute of Industrial Technology
PRESM2023-A501	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Cutting Characteristics of Composite Material by PCD Tool Geometry and Cutting Condition	Yeonoh	KIM	Daegu Mechatronics and Materials Institute	Yeonoh	KIM	Daegu Mechatronics and Materials Institute
PRESM2023-A503	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Prediction of flange deflection during the welding process in manufacturing wind turbine towers	Myeongryun	Seong	Pohang University of Science and Technology	Anna	Lee	Pohang University of Science and Technology
PRESM2023-A506	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Modified K-factor model on Large Scale Roll Bending Process for Offshore Wind Turbine Substructures	Kagnhyun	Ki	Pohang University of Science and Technology	Anna	Lee	Pohang University of Science and Technology
PRESM2023-A554	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	A Case Study on Natural Language Processing-Based Unstructured Data Analysis in Automotive Parts Industry	Min Jae	Ko	Korea Institute of Industrial Technology	Yong Ju	Cho	Korea Institute of Industrial Technology
PRESM2023-A592	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Additive manufacturing and connectivity test of interlocking structures in Fe-Si	Hak-Sung	Lee	Dong-A University	Hak-Sung	Lee	Dong-A University
PRESM2023-A648	Regular	POSTER-1	Monday, July 17	15:40-16:30	1. Manufacturing Processes	Analysis of the Changes in the Internal Stresses in a Steel Plate During the Mechanical Cutting Process	Sungmin	Joo	Chosun University	Younggon	Kim	Korea Institute of Industrial Technology
PRESM2023-A151	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	A Study on the Thermal Characteristics of the SUS316L Deposition Process for Different Process Parameters	Ho-Jin	Lee	Korea Institute of Industrial Technology	Ho-Jin	Lee	Korea Institute of Industrial Technology
PRESM2023-A179	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Effect of Al Content on Microstructure and Hardness of Cu-Al Alloy manufactured by Directed Energy Deposition	Changliang	Yao	Korea Maritime and Ocean University	Dosik	Shim	Korea Maritime and Ocean University
PRESM2023-A436	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	A Study on the Interface Property according to the Position of Inner Lattice Structure in the DED Process	Kook Hwa	Choi	Korea Maritime and Ocean University	Do Sik	Shim	Korea Maritime and Ocean University
PRESM2023-A440	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Study on Effect of Ultrasonic Nanocrystal Surface Modification in Bolt Manufactured by Screw Rolling	Hyeongjin	Ha	Korea Maritime and Ocean University	Dosik	Shim	Korea Maritime and Ocean University
PRESM2023-A508	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Taxonomy and CAD Feature Extraction Algorithm for Micro-Machined Shapes	Seong-Gu	Kang	Seoul National University of Science and Technology	Jihong	Hwang	Seoul National University of Science and Technology
PRESM2023-A513	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Energy Consumption Prediction in CNC Milling Under Various Machining Parameters	Wontaek	Song	Yonsei University	Byung-Kwon	Min	Yonsei University
PRESM2023-A526	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Milling method to reduce tool wear considering fiber orientation in multi-directional carbon fiber reinforced plastic milling	Gyuho	Kim	Yonsei University	Byung-Kwon	Min	Yonsei University
PRESM2023-A527	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Development of SQRTM process for manufacturing CFRP laminate with quality equivalent to autoclave process	Chan-Joo	Lee	Korea Institute of Industrial Technology	Chan-Joo	Lee	Korea Institute of Industrial Technology
PRESM2023-A529	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	The Weldability of AA 5052 and SPFC 780DP Steel by Hybrid Friction Stir Welding	Bum-Su	Go	Chosun University	Hee-Seon	Bang	Chosun University
PRESM2023-A532	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	The mechanical and electrical performance of Al-Cu laser multi-seam welded joints	HyeSeul	Yoon	Chosun University	HeeSeon	Bang	Chosun University
PRESM2023-A533	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Printing path for improving the stiffness of 3D-printed CFRP with a hole	Jae Hoon	Ahn	Yonsei University	Byung-Kwon	Min	Yonsei University
PRESM2023-A536	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Effect of Process Parameters on CFRP/Steel Joints using Self-Piercing Rivets	Dong Won	Choi	Chosun University	Dong Won	Choi	Chosun University
PRESM2023-A538	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Automatic Process Planning Framework utilizing Mesh-based Feature Recognition and Template Selection	Yeong-Deuk	Kim	Korea Institute of Industrial Technology	Dong Yoon	Lee	Korea Institute of Industrial Technology
PRESM2023-A543	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	A Study on the Acquisition of Artificial Intelligence Learning Data for the Blow Molding Process Optimization	Euichul	Jeong	Korea Institute of Industrial Technology	Seokkwan	Hong	Korea Institute of Industrial Technology
PRESM2023-A253	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Development of micro-surface curvature reduction technology for Door Outer	Wonho	Kwon	shin young co., Ltd.	종덕	서	(주)신영

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PRESM2023-A549	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Tailoring Mechanical Properties of 15-5PH Steel via Additive Manufacturing Followed by Heat Treatment	Soo Yeol	Lee	Chungnam National University	Soo Yeol	Lee	Chungnam National University
PRESM2023-A550	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	The Effect of Abnormal Vibration during Shoulder Milling on the Surface Quality and Dimensional Accuracy of Parts	Ki-hyeong	Song	Korea Institute of Industrial Technology	Sung-ho	Nam	Korea Institute of Industrial Technology
PRESM2023-A565	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Multiphase Transport Phenomena in Laser Micro/Nano Additive Manufacturing in Aqueous Reacting Fluid	Ming-Tsang	Lee	National Tsing Hua University	Ming-Tsang	Lee	National Tsing Hua University
PRESM2023-A567	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	The Identification of Machining Defects during CFRP Milling through Machining Sound Analysis	Kyeongeun	Song	Korea Institute of Industrial Technology	Martin	Jun	Purdue University
PRESM2023-A574	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Characteristics of resistance spot welding according to heat treatment conditions of 1.8GPa grade Al-Si coated hot stamping boron steel	Jaehun	Kim	Korea Institute of Industrial Technology	Changwook	Ji	Korea Institute of Industrial Technology
PRESM2023-A575	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Analysis of Extrusion Filament of Multi-Axis Additive Manufacturing System based on a Robotic Arm	Hyeon Seop	Jeon	Kyungpook National University	Young Hun	Jeong	Kyungpook National University
PRESM2023-A576	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Additive Manufacturability of Filler Metal Type on Nickel-Aluminum Bronze Wire Using CMT-based Wire-Arc Additive Manufacturing Process	Jooyong	Cheon	Korea Institute of Industrial Technology	Changwook	Ji	Korea Institute of Industrial Technology
PRESM2023-A584	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	A study of Decreasing Scab Defects by Groove Optimized based on FE-simulation for H-beam Products	Changhyun	Wee	Hyundai Steel	Sangjin	Lee	Hyundai Steel
PRESM2023-A586	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Analysis of Plastic Deformation during Straightening of Heat-treated Ball Screws	Shin	Jihyeon	Korea Aerospace University	Hae-Sung	Yoon	Korea Aerospace University
PRESM2023-A589	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Improving Precipitation Behavior and Mechanical Properties of AA6061-T6 through Electrically Assisted Artificial Aging	Meiling	Geng	University of Ulsan	Sung-Tae	Hong	University of Ulsan
PRESM2023-A596	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Effect of Heat Treatment on Crystallographic and Mechanical Properties of Electroless Nickel	Minwoo	Jeon	Korea Basic Science Institute	Wonkyun	Lee	Chungnam National University
PRESM2023-A597	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Computer Vision-Based Analysis of Brittle Fractures on Zinc Sulfide Surface and Effect on Optical Transmittance	Woo-Jong	Yeo	Korea Basic Science Institute	Wonkyun	Lee	Chungnam National University
PRESM2023-A599	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Comparison of Nanometer Surface Roughness on Al Alloys by Diamond Turning	Hwanjin	Choi	Korea Basic Science Institute	Wonkyun	Lee	Chungnam National University
PRESM2023-A606	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	A Study on Injection Molding Process Optimization for Airless Tire Using Composite Materials	Unghyeon	Cho	Sungkyunkwan University	Sang Won	Lee	Sungkyunkwan University
PRESM2023-A608	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	A Study on Optimization of Directed Energy Deposition Process for Multi-layered Thin Wall Structure	Seungwoo	Paek	Sungkyunkwan University	Sang Won	Lee	Sungkyunkwan University
PRESM2023-A612	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	A Conductive rGO / PEDGA hydrogel for Controllable Drug Delivery System	Yongjin	Yoon	Korea Advanced Institute of Science and Technology	Yongjin	Yoon	Korea Advanced Institute of Science and Technology
PRESM2023-A617	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Ultra-precision Diamond Turning of Curved Zerodur Optics Using Straight-nosed Cutting Tools with Ultrasonic Vibration Assistance	Yuhan	Chen	Southern University of Science and Technology	Yuhan	Chen	Southern University of Science and Technology
PRESM2023-A625	Regular	POSTER-4	Thursday, July 20	16:15-17:05	1. Manufacturing Processes	Laser Powder Bed Fusion application of Pure Copper Parts using Additive Process Prediction Technology based on DfAM	Woo Jong	Kim	Dae Gun Tech. co. ltd.	Jae-Wook	Lee	Korea Institute of Industrial Technology
PRESM2023-A012	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Development of a General System Structure for the CNC Controller of Parallel Kinematic Machine Tools	Syh-Shiuh	Yeh	National Taipei University of Technology	Syh-Shiuh	Yeh	National Taipei University of Technology
PRESM2023-A017	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Data-driven Transient Temperature Field Prediction Modelling and Generalization of Motorized Spindles Based on Thermal Network	Yun	Yang	Shanghai Jiao Tong University	Zhengchun	Du	Shanghai Jiao Tong University
PRESM2023-A137	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Simulation of Machining of Aerospace Parts based on Digital Twin through Prediction of Cutting Force and Tool Wear	Sangmin	Yang	Ulsan National Institute of Science and Technology	Hyungwook	Park	Ulsan National Institute of Science and Technology
PRESM2023-A145	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Characteristics and Grinding Performance of Ultrafine Bubble Coolant	Yousuke	Hatayama	Tohoku University	Yousuke	Hatayama	Tohoku University
PRESM2023-A146	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Real-time Vibration Measurement in Cutting Process Using a Piezoelectric Sensor-Based Tool Holder and Wireless Signal Transmission Spindle	Chien Hung	Liu	National Chung Hsing University	Chien Hung	Liu	National Chung Hsing University
PRESM2023-A149	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Development of a mobile platform capable of measuring and processing	Sungcheul	Lee	Korea Institute of Machinery and Materials	Sungcheul	Lee	Korea Institute of Machinery and Materials
PRESM2023-A150	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Rapid cycle time estimation of CNC machine tool interpolator	Chan-Young	Lee	Korea Institute of Machinery and Materials	Chan-Young	Lee	Korea Institute of Machinery and Materials
PRESM2023-A157	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Analysis of Vibration Reduction Characteristics of Workpiece Holders for Ultra-Precision Machining	Yoonah	Park	Korea Institute of Industrial Technology	Hakjun	Lee	Korea Institute of Industrial Technology
PRESM2023-A164	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	A study on the energy consumption and machining signal behavior of machine tools	Jaehyeok	Kim	Korea Institute of Industrial Technology	Jaehyeok	Kim	Korea Institute of Industrial Technology
PRESM2023-A194	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Vision-based Monitoring Framework for Human-robot Collaborative Assembly using Heterogeneous Cobots	Yee Yeng	Liau	Pusan National University	Kwangyeol	Ryu	Pusan National University
PRESM2023-A198	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Thermal error estimation for a CFRP machine tool due to spindle rotation and environmental temperature fluctuations	Aoi	Suzuki	Keio University	Yasuhiro	Kakinuma	Keio University
PRESM2023-A213	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Vibration Modeling and Analysis of a Permanent Magnet Synchronous Motor for Fault Diagnosis	Hyunseung	Lee	Hanyang University	Ki-Yong	Oh	Hanyang University
PRESM2023-A218	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Study of characteristics of vibration and acoustic data on surface roughness using FFT analysis during milling with worn end mill tool	Eunyeong	Seong	Korea Institute of Industrial Technology	Hye-jin	Lee	Korea Institute of Industrial Technology
PRESM2023-A229	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	The Damage Simulation in Ultrasonic Assisted Drilling on Silicon Wafer with Vibration Amplitude Variation	Rendi	Kurniawan	Yeungnam University	Taejo	Ko	Yeungnam University
PRESM2023-A274	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Structural Analysis of ICT based Servo system type Surface Grinder Bed and Saddle	Hyunsu	kim	Changwon National University	Wonjee	Chung	Changwon National University
PRESM2023-A332	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	A Study on Rotational FRF Estimation using Curve Fitting for RCSA	JiWook	Kim	Korea Institute of Industrial Technology	JinSeok	Jang	Korea Institute of Industrial Technology
PRESM2023-A333	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Evaluation of Chattering in a Poppet-Type Check Valve regarding to Differential Pressure	Hyeon-Ho	Lee	Dong-A University	Seung_Ho	Han	Dong-A University
PRESM2023-A346	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Iterative Learning Control with Data-Driven Inversion for Precision Machines	Chang Kyu	Song	Korea Institute of Machinery and Materials	Chang Kyu	Song	Korea Institute of Machinery and Materials
PRESM2023-A353	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Selection of Key Temperature Measurement Points for Thermal Error Modeling of Three-axis Machine Tools	Gyungho	Khim	Korea Institute of Machinery and Materials	Gyungho	Khim	Korea Institute of Machinery and Materials
PRESM2023-A380	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Enhancing Post-CMP Cleaning Efficiency through Comparative Evaluation of PVA Brush Cleaning Methods	DoYeon	Kim	Korea Institute of Industrial Technology	HyoungJae	Kim	Korea Institute of Industrial Technology
PRESM2023-A423	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Quality Monitoring Indicator based on Machine Learning in CNC Machining Process	JAEUK	CHOI	Chungnam National University	Seung Hwan	Park	Chungnam National University
PRESM2023-A465	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Influence of Laser Parameters on Laser Micromachining of Silicon Wafer	Jae Gyeong	Kim	Korea Institute of Industrial Technology	Jeonghong	Ha	Korea Institute of Industrial Technology
PRESM2023-A466	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Development of Mixed-reality based Monitoring and Control Methodologies for Human Robot Collaboration Systems	Siku	Kim	Pusan National University	Kwangyeol	Ryu	Pusan National University
PRESM2023-A479	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	The effect of actuator position to parasitic motion of flexure-based tip-tilt-piston stage	Hyeeun	Yun	Seoul National University of Science and Technology	Dahoon	Ahn	Seoul National University of Science and Technology
PRESM2023-A504	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Estimation of Tool Wear and Process Optimization using Vision Image of the Machined Product	Jaehak	Lee	Korea Institute of Industrial Technology	Jaehak	Lee	Korea Institute of Industrial Technology
PRESM2023-A514	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Autoencoder-Based Tool Failure Diagnosis and Prediction in Cryogenic Milling of Ti-6Al-4V Titanium Alloy	JaeGyeong	Choi	Ulsan National Institute of Science and Technology	Sunghoon	Lim	Ulsan National Institute of Science and Technology
PRESM2023-A516	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Cycle Time Prediction for 5-axis CNC Machine Using Tool Path Generation Model	Joon-Soo	Lee	Yonsei University	Byung-Kwon	Min	Yonsei University

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Abstract No.	Role	Category	PT Date	Time	Topics	Title	Presenter First Name	Presenter Last Name	Presenter Affiliation	Corresponding First Name	Corresponding	Corresponding Affiliation
PRESM2023-A517	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Dynamics Model Parameter Identification of Robot Manipulator Using Least Squares and Gradient Descent	Jong-Min	Lim	Yonsei University	Byung-Kwon	Min	Yonsei University
PRESM2023-A518	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	CFD Simulations of Flow Inside a Cylindrical Roller Bearing for Drag Coefficient of Roller	Shinhyang	Park	Kumoh National Institute of Technology	Dongjoo	Kim	Kumoh National Institute of Technology
PRESM2023-A519	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Remaining Useful Life Prediction of Ball Screw Using Transfer Learning	In-Wook	Oh	Yonsei University	Byung-Kwon	Min	Yonsei University
PRESM2023-A521	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Reinforcement Learning based Corner Smoothing with Kinematic Constraints	Sangwon	Kang	Yonsei University	Byung-Kwon	Min	Yonsei University
PRESM2023-A542	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Enhancing the Computational Efficiency of Predicting the Trajectory Error of Machine Tool Feed Drive	Soon-Hong	Hwang	Yonsei University	Byung-Kwon	Min	Yonsei University
PRESM2023-A548	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Estimation of Blowdown occurring in Safety Valve regarding to Change of Disc Diameters	Haeseong	Hwang	Dong-A University	Seungho	Han	Dong-A University
PRESM2023-A551	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Development of virtual machine tool system for machining process monitoring and part program optimization	Chang-Ju	Kim	Korea Institute of Machinery and Materials	Chang-Ju	Kim	Korea Institute of Machinery and Materials
PRESM2023-A555	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Dynamic Analysis of Rotor-Bearing Systems with Temperature and Fitting Changes Under Operating Conditions	Gilbert	Rivera	Kumoh National Institute of Technology	Seong-Wook	Hong	Kumoh National Institute of Technology
PRESM2023-A560	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Study on the Diametral Clearance in Cylindrical Roller Bearings Under Operating Conditions	Jinhyeok	Sa	Kumoh National Institute of Technology	Seong-Wook	Hong	Kumoh National Institute of Technology
PRESM2023-A562	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Prediction of Tool Wear by Multi-Sensor Signals and Surface Roughness of Workpiece in Face Milling	Ryu	Jedoo	Korea Institute of Industrial Technology	SungRyul	Kim	Korea Institute of Industrial Technology
PRESM2023-A577	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Analysis on the Load Characteristics of Water Hydrostatic Bearings Considering the Turbulent Flow in the Capillary Compensator	HYUN SOO	KIM	Korea Institute of Machinery and Materials	CHUN-HONG	PARK	Korea Institute of Machinery and Materials
PRESM2023-A601	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	A Study on Data Generation Framework Based on Conditional Generative Adversarial Network (CGAN) for Bearing Fault Diagnosis	Kyumin	Kim	Sungkyunkwan University	Sang Won	Lee	Sungkyunkwan University
PRESM2023-A609	Regular	POSTER-1	Monday, July 17	15:40-16:30	2. Machine Tools & Systems	Development of an Ensembled Convolutional Neural Network Algorithm for Machine Tool Chatter Detection	Jun	Kim	Korea Institute of Industrial Technology	Jun	Kim	Korea Institute of Industrial Technology
PRESM2023-A016	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	The Design of Error-Based Adaptive Robust RBF Neural Network Intelligent PID Controller for Application to 2-DOF Snake Robot's Head	Sung Jae	Kim	Pukyong National University	Jin Ho	Suh	Pukyong National University
PRESM2023-A021	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Defect detection method based on deep learning and generative adversarial network	Zhilin	Zeng	Shanghai Jiao Tong University	Zhengchun	Du	Shanghai Jiao Tong University
PRESM2023-A030	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	High-resolution optical sectioning structured illumination microscopy	Jong-Kyu	Park	Chosun University	Ki-Nam	Joo	Chosun University
PRESM2023-A031	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Dynamic Interferometry for in-line 3D inspection of stacked semiconductor devices	Young-Sik	Ghim	Korea Research Institute of Standards and Science	Young-Sik	Ghim	Korea Research Institute of Standards and Science
PRESM2023-A040	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	A Study of Magnetorheological Fluid Sedimentation Considering Various Experimental Parameters	Elliza Tri	Maharani	Kongju National University	Jong-Seok	Oh	Kongju National University
PRESM2023-A042	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	PM-driven Back-EMF-based Sensorless Soft Landing Control of Electromagnetic Binary Actuator	Jeong Min	Park	Yonsei University	Jun Young	Yoon	Yonsei University
PRESM2023-A051	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Trajectory Generation Method of 2-DOF Magnetic Levitator for Near-zero-power High-throughput Non-contact Transportation	Eun Kyu	Kim	Yonsei University	Jun Young	Yoon	Yonsei University
PRESM2023-A052	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Simulation based Tuning methodology of PID controller parameters using Reinforcement Learning	Yoonseok	Kim	Korea Institute of Industrial Technology	Young Jun	Yoo	Korea Institute of Industrial Technology
PRESM2023-A053	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Working Order Check Process Using Video Classification of a Manual Assembly Line	Seyun	Jeong	Korea Institute of Industrial Technology	Young jun	Yoo	Korea Institute of Industrial Technology
PRESM2023-A055	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Multi-purpose Temperature Control of a Chamber for Ultra-precision Machines Using Deep Reinforcement Learning	Byung-Sub	Kim	Korea Institute of Machinery and Materials	Byung-Sub	Kim	Korea Institute of Machinery and Materials
PRESM2023-A060	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Position Tracking Performance Enhancement of Reluctance-force-type Magnetic Levitator Module with Nonlinearity Compensation	Hyeong Min	Yoon	Yonsei University	Jun Young	Yoon	Yonsei University
PRESM2023-A065	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Automation of Manufacturing Equipment Arrangement including Robotic Arm using Bayesian Optimization	Su-Young	Park	Seoul National University	Sung-Hoon	Ahn	Seoul National University
PRESM2023-A070	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Design, Construction, and Experiments of Acoustic Position Encoder for Multi-actuator Systems	Bo Min	Kang	Yonsei University	Jun Young	Yoon	Yonsei University
PRESM2023-A081	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Automated Detection and Removal System of Foreign Objects in Tire	Sae Jin	Park	Seoul National University	Sung-Hoon	Ahn	Seoul National University
PRESM2023-A101	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	A Study on the Method for Predicting Drive Bearing Wear of Gantry Robot Using Transfer Learning	Jeonghyeon	Park	Inje University	Kwangsuck	Boo	Inje University
PRESM2023-A102	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Development and evaluation of a State-Variable Filter for low frequency compensation of geophone sensor in Active Vibration Isolation System	Hyo-Young	Kim	Tech University of Korea	Hyo-Young	Kim	Tech University of Korea
PRESM2023-A104	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Comparative Study on Actuator Combinations of Path Tracking Control for Autonomous Vehicles	Jinwoo	Kim	Seoul National University of Science and Technology	Seongjin	Yim	Seoul National University of Science and Technology
PRESM2023-A110	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Multiplexed Optical Spectrometer with High Resolution in the Wide Spectral Range	JinHee	CHO	Chosun University	Ki-Nam	JOO	Chosun University
PRESM2023-A113	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Enhancing the Object Detection Quality of the Monitoring System Mounted on CDPR	Hyungjoo	Park	Korea Electronics-Machinery Convergence Technology Institute	Dongyoung	Jang	Korea Electronics-Machinery Convergence Technology Institute
PRESM2023-A114	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Polarized dual low-coherence scanning interferometry using a polarization camera and the dual low coherence characteristics	Seonile	Seo	Chosun University	Ki-Nam	Joo	Chosun University
PRESM2023-A123	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	A Study on the Reception Characteristics of an Ultrasonic Sensor Installed in Chamber with Micro-leakage	Wonjun	Seo	Chungnam National University	Seokyeon	Im	Chungnam National University
PRESM2023-A144	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Characterization of polarization structured illumination microscopy	Minseo	Cho	Chosun University	Ki-Nam	Joo	Chosun University
PRESM2023-A215	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Development of feasibility test-bed for evaluating smart sensors in warm forming with elevated aluminum sheet	Chanhee	Won	Korea Institute of Industrial Technology	Chanhee	Won	Korea Institute of Industrial Technology
PRESM2023-A220	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Performance Evaluation of Data-driven Method and Model-based Method for 4 Wheel Independent Steering Vehicle State Estimation	Gyu-Yong	Hwang	Kongju National University	Jong-Seok	Oh	Kongju National University
PRESM2023-A225	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Control of Ride Comfort and Wheel Motion of In-Wheel Motor Vehicles Using Road Type Classification and Control Logics	Young-Jun	Kim	Kongju National University	Jong-Seok	Oh	Kongju National University
PRESM2023-A351	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Development of Lumped Parameter Tire Model for Mobile Robot	Ji Su	Jeong	Pukyong National University	Jeong Hyun	Sohn	Pukyong National University
PRESM2023-A405	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Analysis of Geometry and Operating Variables on Vortex Tube Performance using Explainable Machine Learning	Hyo Beom	Heo	Chungnam National University	Seung Hwan	Park	Chungnam National University
PRESM2023-A444	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Design and Basic Evaluation for Wafer TTV Measurement	ANMOK	JEONG	Korea Institute of Industrial Technology	HAKJUN	LEE	Korea Institute of Industrial Technology
PRESM2023-A561	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Location Estimation using Two-step Point Matching in Outdoor Self-driving Robot based on Point Cloud Map of 3D LiDAR	Jae-Hun	Jang	Pukyong National University	Kyoung-Chang	Lee	Pukyong National University
PRESM2023-A563	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Analysis of Seawater Secondary Battereis Characteristics Considering Temperature Variations	Hyunjun	Jang	Pukyong National University	Kyung Chang	Lee	Pukyong National University
PRESM2023-A569	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Detection of Net Damage in Sea Cage Aquaculture using Image Processing with Mesh-hole Grouping	Jung-Ho	Kang	Pukyong National University	Kyung-Chang	Lee	Pukyong National University
PRESM2023-A570	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Robotic Arm Pushing and Grasping based on Deep Reinforcement Learning for Bin-Picking	Da-Ryeong	Woo	Pukyong National University	Kyoung-Chang	Lee	Pukyong National University

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Abstract No.	Role	Category	PT Date	Time	Topics	Title	Presenter First Name	Presenter Last Name	Presenter Affiliation	Corresponding First Name	Corresponding	Corresponding Affiliation
PRESM2023-A571	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Recognition of Dead Fish using StrongSORT Multi-Object Tracking Algorithm in Sea Cage Aquaculture	Tatiana	Keruzel	Pukyong National University	Kyung-Chang	Lee	Pukyong National University
PRESM2023-A607	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	3. Automation, Measurement & Control	Non-destructive Flexural Strength Evaluation of Permeable Concrete Blocks Using Surface Images	Sangbeom	Jo	Seoul National University	Younghwan	Son	Seoul National University
PRESM2023-A165	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	A Study On Force Analysis Of Single Diamond Tools For Elastomer Polishing Pads Used In The Diamond Dressing Process	Le Ngoc Quynh	Hoa	Nanyang Technological University	Le Nam Quoc	Huy	National Taiwan University of Science and Technology
PRESM2023-A171	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Identification and compensation of the flexure-induced motion error with a voice coil motor	Hyeong Joon	Ahn	Soongsil University	Hyeong Joon	Ahn	Soongsil University
PRESM2023-A184	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	A study on weight estimation of livestock based on point cloud	AhRam	Park	Kumoh National Institute of Technology	KiYoun	Kwon	Kumoh National Institute of Technology
PRESM2023-A187	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Method for calculating the amount of material ejected during sand casting using a depth camera	Sangwoo	Kim	Kumoh National Institute of Technology	Kiyoun	Kwon	Kumoh National Institute of Technology
PRESM2023-A191	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Automatic Assembly of MEMS Probes for Semiconductor Inspection	KEE-BONG	CHOI	Korea Institute of Machinery and Materials	KEE-BONG	CHOI	Korea Institute of Machinery and Materials
PRESM2023-A193	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Pneumatic dispenser with capacitive-type membrane sensor for improved measurement accuracy	Jeong Woo	Park	Dong-Eui University	Sangmin	Lee	Dong-Eui University
PRESM2023-A199	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Prediction of Material Removal Including Tool Wear in Robotic Polishing of Molds	Shota	Koshiishi	Keio University	Yasuhiro	Kakinuma	Keio University
PRESM2023-A043	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Determination of joint Defects in Copper Tube Induction Heating Brazing Area using Infrared Thermal Image Based on CNN Algorithm	Chung Woo	Lee	Korea Institute of Industrial Technology	JiSun	Kim	Korea Institute of Industrial Technology
PRESM2023-A234	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Electromagnetic Acoustic Transducers for Nondestructive Inspection of Heating Pipes	Hyojeong	Shin	Jeonbuk National University	Sungho	Choi	Jeonbuk National University
PRESM2023-A235	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Grain Size Characterization of 304L Stainless Steel Using Ultrasonic Nondestructive Technique	Marihel	Winda	Jeonbuk National University	Sungho	Choi	Jeonbuk National University
PRESM2023-A236	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Comparison of Measurement Characteristics of 2-Wire and 3-Wire Strain Gauge Measurement Systems	Yurim	Koh	Jeonbuk National University	Sungho	Choi	Jeonbuk National University
PRESM2023-A251	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Single FMCW radar-based indoor 2-D moving target localization and tracking in real-time with wavelet reconstruction	YUXIANG	QIU	The University of Tokyo	Toshihiro	Itoh	The University of Tokyo
PRESM2023-A262	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Design and Optimization of Intermediate Electrical Circuits for Analog Signal Acquisition in Sensor Monitoring	Seungtaek	Kim	Korea Institute of Industrial Technology	Seungtaek	Kim	Korea Institute of Industrial Technology
PRESM2023-A265	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Development of Indoor Autonomous Driving Algorithm Based on Hardware Platform	Hye Lim	Jo	Sejong University	Seong Han	Kim	Sejong University
PRESM2023-A287	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Generating Synthetic Dataset for Object Recognition and Segmentation Networks using Instant Neural Graphics Primitives (INGP) Method	Jeong-Won	Pyo	Sungkyunkwan University	Kwang-Hee	Lee	Korea Institute of Industrial Technology
PRESM2023-A295	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Development of a Virtualized System for Real-time Injection Molding Quality Monitoring through an IoT Module based on Mold Vibration Signals	JongSun	KIM	Korea Institute of Industrial Technology	JongSun	KIM	Korea Institute of Industrial Technology
PRESM2023-A325	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Large Range Fine Actuator for Mirror Pose Adjustment in Nanoscale	Sang Moon	Kim	Andong National University	SangHeon	Lee	Andong National University
PRESM2023-A331	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	A Study on The Development of Small Ship Steering System Using Electro-Hydraulic Power Unit	Dong Gu	Lee	Korea Institute of Industrial Technology	Kyoung Nam	Ha	Korea Institute of Industrial Technology
PRESM2023-A338	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Implementation of variable stiffness pneumatic artificial muscles into a robotic arm	Jae Hyuck	Jang	Sungkyunkwan University	HUGO	RODRIGUE	Sungkyunkwan University
PRESM2023-A339	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Control and Actuation Optimization of Hyper-Vacuum Artificial Muscles	Altair	Sales Coutinho Junior	Sungkyunkwan University	Hugo	Rodrigue	Sungkyunkwan University
PRESM2023-A340	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	A Method of Measuring the Cutting Error using a Depth Camera and Point Cloud Data in Total Knee Arthroplasty (TKA) Simulation	Jinwoo	Jang	Dongguk University	Min-Woo	Han	Dongguk University
PRESM2023-A345	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Humanoid robot control using Computer vision and digital twin	Bumjin	Kim	Changwon National University	YoungTae	Cho	Changwon National University
PRESM2023-A348	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Residual Scratch Detection on Polished Surfaces Using Vision Sensors	Kaito	Wakabayashi	Keio University	Yasuhiro	Kakinuma	Keio University
PRESM2023-A360	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Accuracy Evaluation of Industrial Robot with Laser Tracker using Multiple Optical Targets	Sung-Hwan	Kweon	Kyungpook National University	Seung-Han	Yang	Kyungpook National University
PRESM2023-A368	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Design and Development of Small-Scale Smart Cage Aquaculture Systems	KEONSEOK	NAM	Korea Institute of Industrial Technology	KYOUNGNAM	HA	Korea Institute of Industrial Technology
PRESM2023-A399	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Development of Attachable Hydraulic Controller for Unmanned Excavator Tele-operation	Byoung Hun	Kang	Tech University of Korea	Byoung Hun	Kang	Tech University of Korea
PRESM2023-A413	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Development of Real-Time Status Monitoring and Control System using LTE Cat M1 Communication for Service Robot	Duk Yeon	Lee	Korea Institute of Industrial Technology	Duk Yeon	Lee	Korea Institute of Industrial Technology
PRESM2023-A416	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Robot Control through Motion Retargeting of Conducting Gestures	BoHyeong	Seo	Korea Institute of Industrial Technology	DongWook	Lee	Korea Institute of Industrial Technology
PRESM2023-A441	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Numerical Modeling and Torque Evaluation of Soft Torsional Actuator based on Pre-twisted Pneumatic Tubes	Namsoo	Oh	Sungkyunkwan University	Hugo	Rodrigue	Sungkyunkwan University
PRESM2023-A446	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Development of a Target RGB-based Path Tracking Algorithm of Autonomous Trucks using Single Camera and Particle Filter	Sehwan	Kim	Hankyong National University	Kwangseok	Oh	Hankyong National University
PRESM2023-A447	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Development of Multi-Sensor based Data Acquisition System for the Analysis of Painting Works	Dongwoon	Choi	Korea Institute of Industrial Technology	Dong-Wook	Lee	Korea Institute of Industrial Technology
PRESM2023-A454	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Development of a Rule-based Adaptive Sliding Mode Control Algorithm for Path Tracking of 4WIS Vehicles Using Yaw Angle Error	MunJung	Jang	HanKyong National Univeristy	Kwangseok	Oh	HanKyong National Univeristy
PRESM2023-A455	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Effect of Coolant Absorption of FBGA Package on its Mechanical Reliability Depending on Bake Condition	Taejun	Kang	Kongju National University	Jae-Bum	Pyo	Kongju National University
PRESM2023-A459	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Development of a Simplified Dynamics-based Adaptive Sliding Mode Control Algorithm for Autonomous Vehicles using RLS with Forgetting	Sehwan	Kim	Hankyong National University	Kwangseok	Oh	Hankyong National University
PRESM2023-A469	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	A Study on the Driving Performance Analysis for Autonomous Vehicles through the Real-road Field Operational Test Platform	Dong-Whan	Lee	Korea Automotive Technology Institute	Seong-Jin	Kwon	Yeungnam University
PRESM2023-A473	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Development of a Human-like Model Predictive Path Tracking Control for Autonomous Vehicles with Adaptive Updating Method	Jiung	Lee	Hankyong National University	Kwangseok	Oh	Hankyong National University
PRESM2023-A476	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Development of a Sliding Mode-based Model Reference Adaptive Steering Control Algorithm for Autonomous Vehicles using RLS	Hanbyeol	La	Hankyong National University	Kwangseok	Oh	Hankyong National University
PRESM2023-A488	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Kinematics-Based Blade Pose Estimation for Operation Automation in Motor Graders	Jisu	Jeon	Korea University	Daehie	Hong	Korea University
PRESM2023-A492	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Autonomous Soil Loading Using Robotic Excavator Based on Computer Vision	Chanyoung	Moon	Korea University, Anam-dong 5-ga, Seongbuk-gu, Seoul 136-713	Daehie	Hong	Korea University, Anam-dong 5-ga, Seongbuk-gu, Seoul 136-713
PRESM2023-A494	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Research on Dynamic Update Model of Drilling Burr in Robotic Drilling System	Xiaohu	Zheng	Donghua University	Xiaohu	Zheng	Donghua University
PRESM2023-A510	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Point Cloud Labeling Method for Estimating Drivable Areas in Off-road Environments	Seung-Tae	Han	Korea University	Duhwan	Mun	Korea University
PRESM2023-A528	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Analysis of theoretical model and experimental results of 1-axis LM guide stage motion trajectory estimation	Hakjun	Lee	Korea Institute of Industrial Technology	Hakjun	Lee	Korea Institute of Industrial Technology
PRESM2023-A531	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Development of a Driver Intention-based Rear Wheel Steering Algorithm Using Steering Wheel Angle Rate	Gwang rok	Lee	Hankyong National University	Kwangseok	Oh	Hankyong National University

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Abstract No.	Role	Category	PT Date	Time	Topics	Title	Presenter First Name	Presenter Last Name	Presenter Affiliation	Corresponding First Name	Corresponding	Corresponding Affiliation
PRESM2023-A557	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	A CNN-based approach to robust contour detection for robotic deburring process	Hyeong Gu	Kim	Korea Institute of Industrial Technology	Seong Hyeon	Kim	Korea Institute of Industrial Technology
PRESM2023-A581	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Suspension mechanism optimization for an ultra-compact field robot with height constraints	Jay I.	Jeong	Kookmin University	Jay I.	Jeong	Kookmin University
PRESM2023-A585	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	A Study on the Development of Driver Behavior Simulation Dummy for the Performance Evaluation of Driver Monitoring System	Jinhae	Yae	Korea Automotive Technology Institute	Sunhong	Park	Korea Automotive Technology Institute
PRESM2023-A602	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	A Study on Fabric Defect Detection Algorithm Based on Image Segmentation	Hyun Seok	Lee	Sungkyunkwan University	Sang Won	Lee	Sungkyunkwan University
PRESM2023-A613	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Measurement of Optical Thickness Variations of Transparent Plate by Using Three Surface Interferometer during Wavelength Modulation	Hwan	Kim	Pusan National University	Yangjin	Kim	Pusan National University
PRESM2023-A615	Regular	POSTER-4	Thursday, July 20	16:15-17:05	3. Automation, Measurement & Control	Design of Gaussian Phase-Shifting Algorithm for Surface Profile Measurement of a Silicon Wafer	Juncheol	Bae	Pusan National University	Yangjin	Kim	Pusan National University
PRESM2023-A006	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Compression Test and Numerical Analysis of TBM Thrust Jack Under Inclined Loading Condition	Mun-Gyu	Kim	Korea Institute of Industrial Technology	Jung-Woo	Cho	Korea Institute of Industrial Technology
PRESM2023-A011	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Bio inspired suction cup gripper specialized for gripping flat and brittle objects	Ginwoo	Pyo	Kangwon National University	Yongjai	Park	Kangwon National University
PRESM2023-A020	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Good strength-ductility synergy in graphene oxide reinforced aluminum composite fabricated by FSP: microstructure and mechanical properties	Han-Gyeol	Yoo	Korea Atomic Energy Research Institute	Hoon-Hwe	Cho	Hanbat National University
PRESM2023-A026	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Research on Infrared Ray Heating Technology for Hot Stamping Process in Car Body Industry	Jeongsik	Lim	Gyeongbuk Technopark	Jeongsik	Lim	Gyeongbuk Technopark
PRESM2023-A045	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Heat-sealable PVA/CNC-based Nanocomposites for Active Food Packaging Applications	Bong-Kee	Lee	Chonnam National University	Bong-Kee	Lee	Chonnam National University
PRESM2023-A049	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	NDE Techniques on Fiber Characterization in Spar Caps of Wind Turbine Blades Using Ultrasonic Waves	Kwang-Hee	Im	Woosuk University	Kwang-Hee	Im	Woosuk University
PRESM2023-A069	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Magnetic Field Analysis for 6-DOF Screw-motioned Permanent Magnet Synchronous Motor by 3-D Cylindrical Layer Model	Sang Won	Jung	Yonsei University	Jun Young	Yoon	Yonsei University
PRESM2023-A072	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Quasi-3D Analytical Modeling Method for On-load Slotless Axial-Flux Permanent Magnet Machine	Sangmin	Lee	Yonsei University	Jun Young	Yoon	Yonsei University
PRESM2023-A087	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Density Scaling of Strength and Stiffness of 3D Aperiodic Cellular Structures Formed by Bioinspired Rotational Stacking	Seo Rim	Park	Changwon National University	Young Tae	Cho	Changwon National University
PRESM2023-A094	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Design of a release mechanism to handle holding force of granular materials in Jamming gripper	Byeong Su	Kwon	Kangwon National University	Yong-Jai	Park	Kangwon National University
PRESM2023-A095	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Development of Al-Si-Cu-Mg alloy for Aluminum Die Casting with High Thermal Conductivity	Namseok	Kim	Korea Institute of Industrial Technology	Youngok	Yoon	Korea Institute of Industrial Technology
PRESM2023-A097	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Analytical Design of Pressure Transition Slot of Valve Plate for Axial Piston Pump	Yun-Joo	Nam	Korea Institute of Industrial Technology	Yun-Joo	Nam	Korea Institute of Industrial Technology
PRESM2023-A103	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Microstructural characterization of FCD700 cast irons containing Cu content above the solubility limit solidified at different cooling rates	Sang-Yun	Shin	SBB TECH Co., Ltd	Sang-Yun	Shin	SBB TECH Co., Ltd
PRESM2023-A115	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Rapid functionalization process of graphite felt electrode via atmospheric pressure plasma jet for vanadium redox flow batteries	Song-Yu	Chen	National Taiwan University of Science and Technology	Yu-Lin	Kuo	National Taiwan University of Science and Technology
PRESM2023-A116	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Influence of The Plasma Process Parameters on the Microstructure, Hardening, and Wear Behavior of Cold Work Steel via Atmospheric Pressure Plasma Nitriding	Jhao-Yu	Guo	National Taiwan University of Science and Technology	Yu-Lin	Kuo	National Taiwan University of Science and Technology
PRESM2023-A119	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Mechanical property enhanced ultra-high molecular weight polypropylene by compounding modified cellulose	Ji-Hong	Bae	Pusan National University	Ji-Hong	Bae	Pusan National University
PRESM2023-A133	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Effect of simultaneous addition of Sn and Cu on microstructure formation of as-cast GCD700 cast irons	Jaegu	Choi	Korea Institute of Industrial Technology	Jaegu	Choi	Korea Institute of Industrial Technology
PRESM2023-A147	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Synthesis of MOF-Derived Carbon (MDC) and its Application as a Cathode for Lithium-Air Batteries	Dasom	Jeong	Korea Institute of Industrial Technology	Jeasung	Park	Korea Institute of Industrial Technology
PRESM2023-A148	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Method of Switching the Magnetic Circuit of a Permanent Magnet Wheel with Using AlNiCo Magnets	HyunSoo	Kim	Korea Institute of Machinery and Materials	HyunSoo	Kim	Korea Institute of Machinery and Materials
PRESM2023-A161	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Effect of trace Sn addition on microstructural evolution and Cu segregation in 800MPa grade ductile cast iron containing 3mass%Cu during solidification	DONG-HYUK	KIM	Korea Institute of Industrial Technology	DONG-HYUK	KIM	Korea Institute of Industrial Technology
PRESM2023-A166	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Recent Trends in Lens Materials for Infrared Imaging	Yong Gyu	Choi	Korea Aerospace University	Yong Gyu	Choi	Korea Aerospace University
PRESM2023-A175	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	High-performance printed electrode with rapid fabrication based on UV and IPL light processes without thermal treatment	Hyun Jin	Nam	Korea Electronic Technology Institute	Se-Hoon	Park	Korea Electronic Technology Institute
PRESM2023-A182	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	A study on the eco-friendly flame retardant materials output and properties Using Pellet-Extruder 3D Printer	Jeongung	Ha	Changwon National University	Jongkyu	Park	Changwon National University
PRESM2023-A210	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Self-Healing of Flax Fiber Composites with Core-Shell Poly(Lactic) Acid Nanofibers as Healing Agent Carriers	Mohamad Tarmizie	Hassim	Changwon National University	Jung Il	Song	Changwon National University
PRESM2023-A219	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Effect of Recycled PET Felt Fiber on Mechanical Properties of PP/PET Composites	Zolbayar	Orkhonbaatar	Changwon National University	Jung-il	Song	Changwon National University
PRESM2023-A238	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	A Study on Simulation of Compressive Strength of 100kN Class High Rigidity and Lightweight 48V MHEV Battery Housing	Yongdae	Kim	Korea Institute of Industrial Technology	Yongdae	Kim	Korea Institute of Industrial Technology
PRESM2023-A241	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Combined effect of Cu addition and cooling rate on microstructure of as-cast ferritic-pearlitic ductile cast irons	Seong-Ho	Ha	Korea Institute of Industrial Technology	Seong-Ho	Ha	Korea Institute of Industrial Technology
PRESM2023-A252	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Investigation of Mechanical Surface Treatment Effect on Improving Hydrogen Embrittlement of STS-316L	SeoungHo	Baek	Pusan National University	Sang-Hu	Park	Pusan National University
PRESM2023-A258	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Broadband Ventilated Noise Reduction Structure Inverse-design using Deep Generative Model and Genetic Algorithm Optimization	Minwoo	Cho	Pusan National University	Sang Min	Park	Pusan National University
PRESM2023-A263	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Analysis of Pressure and Performance Characteristics of Porous Air Bearing Applied to Friction Stir Welding Spindles	Jinwoo	Kim	Changwon National University	Wonjee	Chung	Changwon National University
PRESM2023-A272	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Effect of Cu and Mg on Corrosion Resistance and Thermal Conductivity in Al-Si Alloys	Youngok	Yoon	Korea Institute of Industrial Technology	Namseok	Kim	Korea Institute of Industrial Technology
PRESM2023-A273	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Early Detection of Metabolic Disorders using N-rGO-ZnO Hollow Spheres NO2 Breath Sensor	ARUNKUMAR	SHANMUGASUNDARAM	Chonnam National University	DONG-WEON	LEE	Chonnam National University
PRESM2023-A275	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Development of an Artificial Neural Network Prediction Model for Forming Process Design of an Intermediate Lever in Independent Suspension Systems for Large Commercial Vehicles	Jiwoo	Park	Korea Institute of Industrial Technology	Jiwoo	Park	Korea Institute of Industrial Technology
PRESM2023-A296	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Synthesis of Hollow Nanofibers Comprising Graphitic Carbon/Hollow Metal Oxide Nanospheres and Evaluation of Anodes for Lithium-Ion Batteries	JAE SEOB	LEE	Chungbuk National University	JUNG SANG	CHO	Chungbuk National University
PRESM2023-A297	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Synthesis and Application of Metal Chalcogenide/C Composite Porous Microspheres Coated with N-Doped C Layer as Sodium and Potassium Ion Batteries Anode Materials	KunWoo	Baek	Chungbuk National University	Jung Sang	Cho	Chungbuk National University
PRESM2023-A299	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Synthesis of Porous Microsphere Comprising Titanium Dioxide and N-Doped Graphitic Carbon and Application as Anode Material of Lithium-Ion Battery	Hye Seon	Ka	Chungbuk National University	Jung Sang	Cho	Chungbuk National University
PRESM2023-A302	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Synthesis and Application of Graphene Nanofibers Comprising Meso- and Micro-pores as Cathode for Li-Se Batteries	Hyunho	Choi	Chungbuk National University	Jung Sang	Cho	Chungbuk National University
PRESM2023-A327	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Multi-physics Analysis of Rotor Bridge of a 10 kW Interior Permanent Magnet Synchronous Motor for Electric Podded Propulsor	Jang-Hyun	Park	University of Science and Technology	Do-Kwan	Hong	Korea Electrotechnology Research Institute
PRESM2023-A359	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Noise and PPTE Analysis of Multi-purpose Electric utility System Considering Parametric Study	Namyong	Kim	Gyeongsang National University	SungKi	Lyu	Gyeongsang National University

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Abstract No.	Role	Category	PT Date	Time	Topics	Title	Presenter First Name	Presenter Last Name	Presenter Affiliation	Corresponding First Name	Corresponding	Corresponding Affiliation
PRESM2023-A367	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Tensile Deformation Behavior of New Al-6Mg Alloys in Cold-rolled and Annealed States as functions of Temperature and Strain Rate	Seung-Yoon	Yang	Korea Institute of Industrial Technology	Bong-Hwan	Kim	Korea Institute of Industrial Technology
PRESM2023-A375	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Bidirectional Auxetic Structures using Nitinol Shape Memory Alloys sheet	Yeong Jae	Park	Sungkyunkwan University	Hugo	Rodrigue	Sungkyunkwan University
PRESM2023-A376	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	A Study on Tensile Properties of Continuous Drying Process According to the Substrate Tension Distribution in the Roll-to-Roll System	Minho	Jo	Konkuk University	Changwoo	Lee	Konkuk University
PRESM2023-A379	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Tool breakage mechanisms of a tungsten carbide tool in end-milling of titanium alloy	GiDong	Yang	Korea Institute of Industrial Technology	KyungHee	Park	Korea Institute of Industrial Technology
PRESM2023-A388	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Analysis of Web Defect due to Strain Deviation in the Roll-to-Roll Manufacturing Systems	Jaehyun	Noh	Konkuk University	Changwoo	Lee	Konkuk University
PRESM2023-A397	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Investigating the stiffness effect of solid electrolyte interphase on lithium metal dendrite growth	Seong Soo	Park	Chung-Ang University	Janghyuk	Moon	Chung-Ang University
PRESM2023-A402	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Numerical Study of the Effect of the Cooling Flow Condition on Gas Turbine Blade Life	Junseok	Yoon	Korea Institute of Materials Science	Byunghui	Kim	Changwon National University
PRESM2023-A407	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Investigating the Formation of Lithium Metallic Phase at Grain Boundaries in Lithium Lanthanum Titanium Oxide (LLTO) Solid Electrolyte using First Principles Approach	Hyungjun	Kim	Seoul National University	Suk Won	Cha	Seoul National University
PRESM2023-A414	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Selective heat dissipation and guidance by island structure BN(Boron Nitride)	Jae-hun	Yang	Sungkyunkwan University	Tae-il	Kim	Sungkyunkwan University
PRESM2023-A420	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Model-Based System Engineering Approach for Predicting the State of Health of Electric Vehicle Batteries in Actual Driving Cycles	donguk	ko	Chung-Ang University	Janghyuk	Moon	Chung-Ang University
PRESM2023-A421	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Coating Defect Detection of Roll-to-Roll Manufacturing System on Vision Image with Color Selection Method	Yoonjae	Lee	Konkuk University	Changwoo	Lee	Konkuk University
PRESM2023-A425	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	High-thruput Computational Screening of Halide Solid Electrolyte for All-Solid-State Lithium Batteries with A-Site cation and Anion exchange analysis	Tham	Thi Bui	Chung-Ang University	Janghuyk	Moon	Chung-Ang University
PRESM2023-A429	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	A comparative study on the passive film stability formed by nitric acid passivation on 304 and 316 Stainless Steel in Acid Solution	Seoyoun	Kim	Korea Institute of Industrial Technology	Sekwon	Oh	Korea Institute of Industrial Technology
PRESM2023-A590	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	4. Materials & Design	Optimal Design of Surface Pressure Strength for Anti-Fitting in 100Nm-Class Gearboxes	Gwak	Gimyeong	Gyeongsang National University	Lyu	Sungki	Gyeongsang National University
PRESM2023-A118	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Shape variables design of plate heat exchanger using deep neural network	ChanGoo	Lee	Hanyang University	SeogYoung	Han	Hanyang University
PRESM2023-A156	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	A Study on Design Improvement of Door Handles in Refrigerator	Dong Hwa	Kim	DAEDONG	Dong Hwa	Kim	DAEDONG
PRESM2023-A430	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Early Cycle Data-Based State of Health Prediction of Lithium-Ion Battery Using Machin Learning Techniques	Sungwon	Lee	Chung-Ang University	Janghyuk	Moon	Chung-Ang University
PRESM2023-A434	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Designing Mechanically Stable High-capacity SiO_x Anode Using Stress-Diffusion Model	Jaehyun	Kim	Chung-Ang University	Janghyuk	Moon	Chung-Ang University
PRESM2023-A435	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Enhancing Lithium-Ion Transport Properties in Electrolytes for Low-Temperature Operation of Batteries through High-Throughput Screening, Data-Driven Prediction and Multi-Scale Simulations	Hongjun	Chang	Chung-Ang University	Janghyuk	Moon	Chung-Ang University
PRESM2023-A463	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Design of High Performance Airless Tire using Three-dimensional Auxetic Inner Structures	Doyeon	Kim	Pusan National University	Sanghu	Park	Pusan National University
PRESM2023-A464	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Study on the Mechanical and Electrical Characteristics of CNTs-Metal Multilayer for Electric Contact Element	Sang-Hoon	Lee	Kyungpook National University	Hyun-Joon	Kim	Kyungpook National University
PRESM2023-A471	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Electromagnetic-Mechanical Performance Analysis and Experimental Validation of Electric Propulsion System with Contra-Rotating Propeller	Tae-Woo	Lee	Korea Electrotechnology Research Institute	Do-Kwan	Hong	Korea Electrotechnology Research Institute
PRESM2023-A484	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Performance Comparison of Machining Feature Recognition: Deep Learning-Based Methods and Algorithm-Based Methods	Seungeun	Lim	Korea University	Duhwan	Mun	Korea University
PRESM2023-A489	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Face Contact Automatic Insertion of Endoscopic Surgical Tools	S.H.	Won	Korea University	Daehie	Hong	Korea University
PRESM2023-A502	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Physics-Informed Neural Networks for magneto-active elastic shells	Myeongryun	Seong	Pohang University of Science and Technology	Jeeeun	Kim	Pohang University of Science and Technology
PRESM2023-A512	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Design of cube-based robotic gripper system for picking and loading of vehicle structure items	Jaemyung	Huh	Korea University	Daehie	Hong	Korea University
PRESM2023-A515	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Wrinkling of Thin Films between Two Soft Layers for Stretchable Circuits with High Packing Density	Hyunsu	Kwak	Pohang University of Science and Technology	Anna	Lee	Pohang University of Science and Technology
PRESM2023-A523	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Effect of Surface Roughness of Contact Faces in SHPB Test Results	Taek Jin	Jang	Korea Advanced Institute of Science and Technology	JongBong	Kim	Seoul National University of Science and Technology
PRESM2023-A553	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Development of a Design Feature Extraction Method based on an Implicit CAD System and a Convolutional Neural Network to Support Design for Additive Manufacturing	Sang-in	Park	Inchoen National University	Sang-in	Park	Inchoen National University
PRESM2023-A572	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Optimization Design of a Heat Sink for Head Up Display by using Design for Additive Manufacturing	Jae-Wook	Lee	Korea Institute of Industrial Technology	Ji-Hyun	Sung	Korea Institute of Industrial Technology
PRESM2023-A591	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Evaluation of Magnetic Properties according to Ni Content in Nickel Steel	Sunmi	Shin	Korea Institute of Industrial Technology	Sunmi	Shin	Korea Institute of Industrial Technology
PRESM2023-A593	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	4. Materials & Design	Effect of Residual Stress on Pore Formation in Multi-Materials Deposited by Directed Energy Deposition	Jong Bae	Jeon	Dong-A University	Jong Bae	Jeon	Dong-A University
PRESM2023-A007	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Effect of Titanium Layer on Wear Behavior of DLC	Won-Bin	Kang	Yonsei University	Dae-Eun	Kim	Yonsei University
PRESM2023-A061	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Displacement of 3-DOF Inchworm Using Butterfly-type Strain Characteristics of Piezoelectric Actuator.	Hayata	Takashima	Aichi Institute of Technology	Akihiro	Torii	Aichi Institute of Technology
PRESM2023-A068	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	A particle array-based plastic lateral flow assay chip for multiplex detection of infectious diseases	Juyeong	Kim	Dongseo University	Hojin	Kim	Dongseo University
PRESM2023-A074	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Effect of V-shape groove on stretchable wavy circuit	Jung-Hoon	Yun	Kongju National University	Jung-Hoon	Yun	Kongju National University
PRESM2023-A078	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Fabrication of Metal-Ceramic Composite Structures using Photo-polymerization type 3D Printing and Co-sintering	Jeong Seon	Im	Seoul National University of Science and Technology	Minsoo	Park	Seoul National University of Science and Technology
PRESM2023-A079	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Experimental Study on the Reduction of Chipping Defects during Mechanical Dicing	Naeun	Lee	Seoul National University of Science and Technology	Minsoo	Park	Seoul National University of Science and Technology
PRESM2023-A085	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Magnetically Responsive Artificial Cilia Self-Assembled with Magnetic Particles	Hoon Eui	Jeong	Ulsan National Institute of Science and Technology	Hoon Eui	Jeong	Ulsan National Institute of Science and Technology
PRESM2023-A106	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Effect of Ti Thin Film on Glass Welding using Nanosecond Pulsed Laser	Dae-Seob	Song	Seoul National University	Sung-Hoon	Ahn	Seoul National University
PRESM2023-A107	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	High Aspect Ratio Patterning of Ag NP Inks via Inkjet Printing with Laser Selective Surface Treatment	ISeok	Sim	Korea Institute of Industrial Technology	Jun Young	Hwang	Korea Institute of Industrial Technology
PRESM2023-A125	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Biomimetic 3D Scaffold Based on Electrospun Micro/Nanofibers for Tissue Engineering Application	SUNHEE	CHO	Chonbuk National University	CHEOL SANG	KIM	Chonbuk National University
PRESM2023-A155	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Development of a New Perfusion Bioreactor for the Evaluation of Small-diameter Fibrous Tubular Scaffold	Se Rim	Jang	Chonbuk National University	Cheol Sang	Kim	Chonbuk National University
PRESM2023-A172	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Multi-functional Self-assembled Electrospun Nanofiber Filters for PM Removal and Formaldehyde Gas Sensing Simultaneously	Jin Yeong	Song	Pusan National University	Sang Min	Park	Pusan National University
PRESM2023-A173	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	A Study for Single Layer Textile Based Co-Laminar Flow Enzymatic Biofuel Cell	Hee Beom	Kang	Hanyang University	Yoomin	Ahn	Hanyang University

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Abstract No.	Role	Category	PT Date	Time	Topics	Title	Presenter First Name	Presenter Last Name	Presenter Affiliation	Corresponding First Name	Corresponding	Corresponding Affiliation
PRESM2023-A188	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Dynamics of Droplet in Oblique Impact on PTFE Coated Surfaces	Sungchan	Yun	Korea National University of Transportation	Sungchan	Yun	Korea National University of Transportation
PRESM2023-A196	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Dual Beam Combined Laser Processing of Nanostructured Amorphous Silicon	Won Seok	Chang	Korea Institute of Machinery and Materials	Won Seok	Chang	Korea Institute of Machinery and Materials
PRESM2023-A200	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Recent Progress in Transparent Thermal Emitter for Radiative Cooling	Kang Won	Lee	Hanyang University	Dong Rip	Kim	Hanyang University
PRESM2023-A201	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Recent Progress in Fabrication of Phase Change Composites for Effective Thermal Energy Storage	Hyeon Woo	Son	Hanyang University	Dong Rip	Kim	Hanyang University
PRESM2023-A202	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Engineered Stainless Steel Surface by Thermal Processing for Anti-scaling Functionality	Jung Bin	Yang	Hanyang University	Dong Rip	Kim	Hanyang University
PRESM2023-A217	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Evaluation of X-ray Mirror Surface Fabricated by Differential Deposition Method	Jangwoo	Kim	Pohang University of Science and Technology	Jangwoo	Kim	Pohang University of Science and Technology
PRESM2023-A221	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Quasi-Seamless Alignment Method using the Periodicity of patterns in Various Shapes	Woo Young	Kim	Changwon National University	Young Tae	Cho	Changwon National University
PRESM2023-A222	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Study on Piezoresistive SiC MEMS Using First-Principle Calculation Method	Chen	Wu	The University of Tokyo	Chen	Wu	The University of Tokyo
PRESM2023-A223	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	A study on the improvement of cross section milling rate of Si wafer according to the center of Broad Ion Beam and position of mask	JongHan	WON	Korea Electronics-Machinery Convergence Technology Institute	DongYoung	Jang	Korea Electronics-Machinery Convergence Technology Institute
PRESM2023-A224	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Study of Ion beam Characteristics According to Extractor Structure of Xe Plasma FIB	Jung Seok	Park	Korea Electronics-Machinery Convergence Technology Institute	Dongyoung	Jang	Korea Electronics-Machinery Convergence Technology Institute
PRESM2023-A233	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Extraction of micro size cellulose from Waste Dried Leaves as potential reinforcement to biodegradable thermoplastic	Vinitsa	Chanthavong	Changwon National University	Jung-il	Song	Changwon National University
PRESM2023-A245	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Fabrication of Laser-induced Graphene Triboelectric Nanogenerator	Do Young	Kim	Pusan National University	Sang Min	Park	Pusan National University
PRESM2023-A254	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Effect of Applied Cathodic Current Density On the Through Hole Filling by Copper Electroplating	HeeGwon	Shin	Korea Institute of Industrial Technology	SeKwon	Oh	Korea Institute of Industrial Technology
PRESM2023-A255	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Fabrication of Deep Holes in Tungsten carbide using Surfactant-mixed Powder based μ-EDM	Sai Dutta	Gattu	Keio University	Jiwang	Yan	Keio University
PRESM2023-A256	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Facile and Rapid Microfabrication for Functional Surface using Variable Resolution Method	Jaebum	Sung	Hanyang University	Hongyun	So	Hanyang University
PRESM2023-A257	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Indirect Irradiation Method for Overcoming Limitations of Near Infrared Laser in Microfluidic Device Fabrication	Geun Young	Kim	Seoul National University	Sung-Hoon	Ahn	Seoul National University
PRESM2023-A260	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	A study on diffraction suppression using optical path control in SPPW hybrid MLA process	Seungwoo	Shin	Changwon National University	Young Tae	Cho	Changwon National University
PRESM2023-A267	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Design a Microscopic Mechanical Response System to Analyze Effects of Monotonic and Cyclic Loading	ChanNyeong	YUN	Korea Electronics-Machinery Convergence Technology Institute	Dongyoung	Jang	Korea Electronics-Machinery Convergence Technology Institute
PRESM2023-A288	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Continuous and Scalable Patterning of Period- and Shape-tunable Asymmetric Nanogratings by Azimuthal Rotation-controlled Dynamic Nanoinscribing	Jong G.	Ok	Seoul National University of Science and Technology	Jong G.	Ok	Seoul National University of Science and Technology
PRESM2023-A317	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Injectable Opto-Probe with Heat Dissipation Guide for Photodynamic Therapy using Thermal Management	MinJun	Gwak	Sungkyunkwan University	Taeil	Kim	Sungkyunkwan University
PRESM2023-A328	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	A Scalable Self-Assembled Magnetic Millirobot with Multimodal Locomotion Capability	Yonghun	Lee	Kongju National University	Seungmun	Jeon	Kongju National University
PRESM2023-A334	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Parameter Optimization Using Machine Learning Technique for Copper Electroplating in Semiconductor Interconnect Technology	Mingi	Kim	Dankook University	Seoung Jai	Bai	Dankook University
PRESM2023-A335	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Simultaneous generation of monodisperse droplets with two different sizes using high-aspect-ratio asymmetric cross-sectional channel	Youngseo	Cho	Seoul National University of Science and Technology	Younghak	Cho	Seoul National University of Science and Technology
PRESM2023-A341	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Microlens Array-Assisted Portable Microscopy for High-Resolution Imaging	Kisoo	Kim	Korea Photonics Technology Institute	Kisoo	Kim	Korea Photonics Technology Institute
PRESM2023-A343	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Fabrication and Characterization of Slippery Liquid-Infused Porous Surfaces: An Approach to Improved Anti-Icing and Anti-Fouling Performance	Sang Hoon	Lee	Changwon National University	Young Tae	Cho	Changwon National University
PRESM2023-A369	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Poisson Effect-Assisted Replication Lithography for Repetitive Fabrication of 3D Microstructures	Minsu	Kim	Kyungpook National University	Moon Kyu	Kwak	Kyungpook National University
PRESM2023-A377	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Characterization of a Photoresist Based on Physical Models	Seungtae	Park	Chosun University	Jong-Rak	Park	Chosun University
PRESM2023-A381	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Determination of Aerial Image Using Developed Resist Profile for a Raster Scan Laser Pattern Generator	Haehyuck	Kwon	Chosun University	Jong-Rak	Park	Chosun University
PRESM2023-A392	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Gate-controlled gas sensor utilizing 1D-2D hybrid nanomaterials	Myung Gwan	Hahm	Inha University	Moonsang	Lee	Inha University
PRESM2023-A395	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	The Role of 3D Micropatterns in control of the Wetting Behavior of Liquids	Myung Seo	Kim	Changwon National University	Young Tae	Cho	Changwon National University
PRESM2023-A398	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Controlling Droplet Volume in Droplet Array Chips Using Different Size of Extreme Wettability Patterns and Dipping Process	Mohammad Imran	Bappy	University of Ulsan	Doo-Man	Chun	University of Ulsan
PRESM2023-A432	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	High-Temperature Heat Treatment for Enhancing the Adhesion Properties of Electroless Plated Layers on a Flexible Substrate	Doyeon	Im	Andong National University	Taechang	An	Andong National University
PRESM2023-A443	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Focus Tunable Compound Eyes using Elastomeric Microlens Arrays	Jihyun	Jung	Pusan National University	Kyujung	Kim	Pusan National University
PRESM2023-A456	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Interfacial Adhesion Control via Reduction of Graphene Oxide for Heterogeneous Material Integration	Il Ryu	Jang	Korea Institute of Industrial Technology	Hohyun	Keum	Korea Institute of Industrial Technology
PRESM2023-A457	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	A Comparative Study on the Processability of Nanosecond and Femtosecond Laser for LiFePO4 Cathode Material Laser Structuring	Jaegeun	Shin	Kongju National University	Dongkyung	Lee	Kongju National University
PRESM2023-A458	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Soft lithography of a large area intermediate mold from photoresist on silicon substrate	Munhyung	Jo	Korea Advanced Institute of Science and Technology	Usama	Tahir	Korea Advanced Institute of Science and Technology
PRESM2023-A480	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Quantitative Study of Thermal Bonding for UV Modified PMMA	Geundong	Bae	Kyungnam University	Taehyun	Park	Kyungnam University
PRESM2023-A505	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Enhancing Anti-Icing Properties by Direct Micro Metal Forming	Seongyong	Byun	Chung-Ang University	Seok-min	Kim	Chung-Ang University
PRESM2023-A525	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Study on oil-in-oil droplet generation based on flow-focusing geometry using EHD micropumps	Taiki	Otomo	Tokyo Institute of Technology	Joon-wan	Kim	Tokyo Institute of Technology
PRESM2023-A530	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Isotype heterostructured p-WSe2/p-Si photodetector with improved photoresponsivity and detectivity	Beomsu	Jo	Gangneung-Wonju National University	Young Lae	Kim	Gangneung-Wonju National University
PRESM2023-A539	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Megasonic Generation and Application of High-Density Nanobubbles	Seung-Yop	Lee	Sogang University	Seung-Yop	Lee	Sogang University
PRESM2023-A546	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Evaluation of the mechanical properties of stents based on energy beam treatment	Goeun	Cha	Kyungpook National University	Jongsung	Park	Kyungpook National University
PRESM2023-A564	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Experimental study of Surface Treatment for Copper-Aluminum Alloys using a Laser	Chanhee	Jeong	Kongju National University	Dongkyoung	Lee	Kongju National University
PRESM2023-A588	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Fabrication of Porous Microspheres with Controllable Pore Size Based on Microdroplet Mixing Using Microfluid System	Ji Hwan	Han	Kyungpook National University	Gyu Man	Kim	Kyungpook National University
PRESM2023-A598	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	Research on a Methodology for Predicting Nanometer-Scale Surface Roughness of SPDT-machined polycrystalline ZnS	Mincheol	Kim	Korea Basic Science Institute	Mincheol	Kim	Korea Basic Science Institute

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Abstract No.	Role	Category	PT Date	Time	Topics	Title	Presenter First Name	Presenter Last Name	Presenter Affiliation	Corresponding First Name	Corresponding	Corresponding Affiliation
PRESM2023-A637	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	5. Micro/Nano Technology	A Study on the Effect of Capillary Force on the Mechanical Deformation of Metal Nanowires	Pyeongsam	Ko	Hanbat National University	Hongseok	Youn	Hanbat National University
PRESM2023-A014	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	A clinical study of the effects of the various cuff types of the electrically powered KAFO for stroke patients	Hyuk-Jae	Choi	Korea Orthopedics & Rehabilitation Engineering Center	Hyuk-Jae	Choi	Korea Orthopedics & Rehabilitation Engineering Center
PRESM2023-A063	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Efficacy Assessment of Scaffold Shape Conformity on Bone Regeneration	Min-Soo	Ghim	Wonkwang University	Young-Sam	Cho	Wonkwang University
PRESM2023-A066	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Optimization of nano/micro pillar rectangular pattern for differentiation of pre-osteoblastic MC3T3-E1 cells	Nae-un	Kang	Wonkwang University	Young-Sam	Cho	Wonkwang University
PRESM2023-A080	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Correlation analysis between stress indexes of industrial workers	JONG-HYUN	KIM	Korea Institute of Industrial Technology	JONG-HYUN	KIM	Korea Institute of Industrial Technology
PRESM2023-A083	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Fabrication of a paper-based sensor with high resolution and rapid detection of plant drought stress	Ji Kwan	Kim	Gwangju University	Young Soo	Choi	Gwangju University
PRESM2023-A084	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Reusable Echinoid-Shaped Al_2O_3 Surface with Mechano-Bactericidal Function	Hee-Kyeong	Kim	Wonkwang University	Hyun-Ha	Park	Wonkwang University
PRESM2023-A093	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Fabrication of Electrospun Polycaprolactone (PCL) Substrate for Colorimetric Bio-assay	Chensong	Xu	The University of Tokyo	Beomjoon	Kim	The University of Tokyo
PRESM2023-A096	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Air-able : Fabrication and Experiments of Effervescent Fabric Chamber Inflation with Various Shape of Structures and Wearables	Sanghu	Chun	Kangwon National University	Yong-Jai	Park	Kangwon National University
PRESM2023-A105	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Muscle Activity Analysis according to Steering Angles during the Turning of a Two-Person Tricycle for the Elderly and Persons with Disability	JONG-HYUN	KIM	Korea Institute of Industrial Technology	Jae Soo	Hong	Korea Institute of Industrial Technology
PRESM2023-A120	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Workload Assessment Method Using Graph Neural Network	Jaekyeong	Moon	Korea Institute of Industrial Technology	Hyunchul	Tae	Korea Institute of Industrial Technology
PRESM2023-A132	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Development and biomechanical evaluation of expansion-type anchors for anterior cruciate ligament reconstruction	Il Won	Suh	Chonbuk National University	Cheol Sang	Kim	Chonbuk National University
PRESM2023-A136	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Precise control of lipid vesicles size using characteristic time depends on membrane conditions	Sunghak	Choi	Seoul National University	Hosup	Jung	Seoul National University
PRESM2023-A183	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Analysis of the effects of various positions and physiological movements on the lumbar spine: A Finite-Element Study	MINGOO	CHO	Korea Institute of Industrial Technology	SUNGWOOK	KANG	Korea Institute of Industrial Technology
PRESM2023-A190	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Effects of Basic Physical Fitness-Based Personalized Augmented Reality Exercise Program on Physical Factors: Randomized Control Trials	JaeHo	Yu	Sunmoon University	JaeHo	Yu	Sunmoon University
PRESM2023-A206	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Hybrid Biofabrication Technique to Fabricate Innervated in vitro Gut Models	Hohyeon	Han	Pohang University of Science and Technology	Jinah	Jang	Pohang University of Science and Technology
PRESM2023-A230	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Development of Multi-Calibration Technology for Wire-Based 1RM Measurement Load Cells	Jung Hwan	Kim	National Rehabilitation Center	Jung Hwan	Kim	National Rehabilitation Center
PRESM2023-A264	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Fabrication of Spheroid-Based Functional 3D Adipose Construct Using In-Bath Bioprinting	Jae-Seong	Lee	Pusan National University	Byoung Soo	Kim	Pusan National University
PRESM2023-A271	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Maturation of Cardiomyocytes Promoted by embedded-AgNW & Mechanical Stimulation	Jongyun	Kim	Chonnam National University	Dong-Weon	Lee	Chonnam National University
PRESM2023-A279	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Characteristics of Microcell Structure Using Foam Injection Molding for Scaffold of Cell Culture	Jeongyeon	Park	Korea Institute of Industrial Technology	Gilsang	Yoon	Korea Institute of Industrial Technology
PRESM2023-A285	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Comparison of Simulated Environment and Real Environment Usability Test of Beach Wheelchair	Minra	Choi	Seongnam Senior Industrial Innovation Center	Dukyoung	JUNG	Seongnam Senior Industrial Innovation Center
PRESM2023-A298	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Development of 3D Bioprinted Cancer Stem Cells-including Tumor Platform for Investigating the Role of Matrix Stiffness in Cancer Progression	Seok-hyeon	Lee	Pusan National University	Byoung Soo	Kim	Pusan National University
PRESM2023-A350	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Volumetric Segmentation of a Clavicle Bone Structure with small ROI from whole body CT Images	Seungjin	Kong	Inje University	Donghyun	Kim	Korea Institute of Industrial Technology
PRESM2023-A365	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	A Layered Patch with Placenta-derived ECM by 3D Bioprinting for Diabetic Wound Healing	Hye Jin	Kim	Pohang University of Science and Technology	Jinah	Jang	Pohang University of Science and Technology
PRESM2023-A372	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	The development of prosthetic foot with the function of metatarsophalangeal and ankle joint for lower limb amputee	HyunCheol	Kim	Korea Orthopedics & Rehabilitation Engineering Center	HyunCheol	Kim	Korea Orthopedics & Rehabilitation Engineering Center
PRESM2023-A401	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Engineering Uniform Epidermal Layers Using Gelatin-Based Sacrificial Bioink for Improved 3D Skin Bioprinting	Minjun	Ahn	Pusan National University	Byoung Soo	Kim	Pusan National University
PRESM2023-A411	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	3D Bioprinting-based Stenotic Blood Vessels for Modeling Turbulent Flow Generation and Investigating Hemodynamic Effects on Atherosclerosis Development	Min-Ju	Choi	Pusan National University	Byoung Soo	Kim	Pusan National University
PRESM2023-A419	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Optimal Design of Pre-Vascularized Patch Using In-Bath 3D Bioprinting for Enhanced Skin Regeneration	Arvind Kumar	Shukla	Pusan National University	Byoung Soo	Kim	Pusan National University
PRESM2023-A442	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Sputum Sound Classification System for Rabbits with a Tracheostomy Tube	Yohan	Jung	Yonsei University	Jongbaeg	Kim	Yonsei University
PRESM2023-A483	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Study of Gait Characteristics According to Pelvic Balance	Yunjee	Hong	Dankook University	SungHan	Rhim	Dankook University
PRESM2023-A486	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Development of cryogenic vial technology for long-term storage of suspended cell-based therapeutics	Jeongyeon	Park	Korea Institute of Industrial Technology	Gilsang	Yoon	Korea Institute of Industrial Technology
PRESM2023-A487	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Shear Stress-Induced Alignments of Skeletal Muscle Tissue via In-Bath 3D Bioprinting	Jae Woo	Back	Pusan National University	Byoung Soo	Kim	Pusan National University
PRESM2023-A537	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	One Pot Hydrothermal Synthesis of CuS/MoS_2 Composite for Electrochemical Non-enzymatic Glucose Sensor	Miyeon	Shin	Jeonbuk National University	Changho	Yu	Jeonbuk National University
PRESM2023-A540	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Development of Universal Exercise Equipment Guideline based on STEP Tool and Universal Design Principles	Kwang Ok	An	Korea National Rehabilitation Center	Hyosun	Kweon	Korea National Rehabilitation Center
PRESM2023-A545	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	3D-force-sensor based Smart shoes for abnormal gait detection with embedded AI system powered by energy harvesting	Dongjun	Kim	Kyung Hee University	Jumyung	Um	Kyung Hee University
PRESM2023-A619	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	A Practical Approach to Virtual Reality-based Surgical Planning for Three-Dimensional Cephalometric Analysis	Chanho	Song	KMEDIhub	Euisung	Jung	KMEDIhub
PRESM2023-A646	Regular	POSTER-3	Wednesday, July 19	15:20-16:10	6. Bio & Health	Exosome derived from human adipose stem cells (ASC) exosome exert therapeutic effect on inhalation injury with caused by burns *in vitro* and *in vivo*	You-rin	Kim	Hallym University	Wook	Chun	Hallym University
PRESM2023-A010	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Electrochemical Peformance of Electrospun Silicon Nanowires with Carbon Coating	Jong Dae	Lee	Chungbuk National University	Jong Dae	Lee	Chungbuk National University
PRESM2023-A058	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Development of highly efficient and robust production technology for PEM water electro-catalysts using nanoscale artificial deformation	Hyunsu	Kang	Korea Institute of Industrial Technology	Taeg Woo	Lee	Korea Institute of Industrial Technology
PRESM2023-A092	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Performance Evaluation of Pack-Bed Type Liquid Desiccant Dehumidifier according to Supply Air Conditions	Dong-Soon	Jeon	Korea Institute of Industrial Technology	Dong-Soon	Jeon	Korea Institute of Industrial Technology
PRESM2023-A100	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Ammonia Gas Adsorption Test Using an In-Situ Weighing Device Inside a Reactor Chamber	Juheon	Kim	Gyeongsang National University	Hyungmo	Kim	Gyeongsang National University
PRESM2023-A112	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Triboelectric nanogenerator for improving performance and reducing noise by using a conductive porous structure	Jaehee	Shin	Korea University of Technology and Education	Jinhyoung	Park	Korea University of Technology and Education
PRESM2023-A185	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	A Study on the Internal Flow of Liquid Hydrogen Storage Tank According to the Anti-sloshing Device using CFD	HYUNSOO	KIM	Korea Institute of Industrial Technology	SUNGWOOK	KANG	Korea Institute of Industrial Technology
PRESM2023-A207	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	INFLUENCE OF MULTI-FRY BIODIESEL BLENDS ON THE PERFORMANCE AND EXHAUST EMISSIONS OF A C.I ENGINE	Adhirath	Mandal	배재대학교	Dowan	Cha	배재대학교
PRESM2023-A211	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Modeling of the internal shorts of high-capacity battery under compressive loads based on multiphysics analysis	Sang-Youn	Park	Korea University	Byoung-Ho	Choi	Korea University

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Ocean Hall, Bankoku Shinryokan, Okinawa, Japan

Abstract No.	Role	Category	PT Date	Time	Topics	Title	Presenter First Name	Presenter Last Name	Presenter Affiliation	Corresponding First Name	Corresponding	Corresponding Affiliation
PRESM2023-A244	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	All-aerosol-sprayed high-performance transparent triboelectric nanogenerator with embedded charge-storage layer for self-powered invisible security IoT system and raindrop-solar hybrid energy harvester	BaekGyu	Kim	Pusan National University	Sang Min	Park	Pusan National University
PRESM2023-A246	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Development of Process and Device for Biodiesel Conversion from Low-grade Oil	Jaehoon	Cho	Korea Institute of Industrial Technology	Jaehoon	Cho	Korea Institute of Industrial Technology
PRESM2023-A250	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Combustion characteristics of vent gas generated during thermal runaway of lithium-ion batteries	Wookyung	Kim	Hiroshima University	Wookyung	Kim	Hiroshima University
PRESM2023-A284	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	PEMFC Performance Assessment Based on Bipolar Plate Materials Using Computational Techniques	Dawit	Musse	Kongju National University	Dongkyoung	Lee	Kongju National University
PRESM2023-A292	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Effects of the Activation Voltage Range of Polymer Electrolyte Membrane Fuel Cells	Jung Soo	Kim	Dankook University	Gu Young	Cho	Dankook University
PRESM2023-A307	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Triboelectric Nanogenerator for Collecting Fine-Dust from Multi-Energy source	Hyunseo	Park	Korea University of Technology and Education	Jinhyoung	Park	Korea University of Technology and Education
PRESM2023-A363	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Effects of mechanical pressure on electrochemical characteristics of membrane electrode assemblies of polymer electrolyte membrane fuel cells	Ye Rim	Kwon	Dankook University	Gu Young	Cho	Dankook University
PRESM2023-A418	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Triboelectric energy harvester with triggering mechanism for consistent output as self-powered humidity sensor	Wondo	Kim	Yonsei University	Jongbaeg	Kim	Yonsei University
PRESM2023-A470	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Self-Powered Sensor Based on Triboelectric Nanogenerator with Floating Cylindrical Structure for Wind Speed Detection	Jong-An	Choi	Seoul National University of Science and Technology	Soonjae	Pyo	Seoul National University of Science and Technology
PRESM2023-A493	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Investigation of A-site ordered double perovskite oxides with nanocatalyst exsolution as fuel flexible anode Materials for solid oxide fuel cells.	In Won	Choi	Seoul National University	Suk Won	Cha	Seoul National University
PRESM2023-A558	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Controlling Particle Size of Sol-gel-based Bismuth Vanadium Oxide Film through Thermocompressive Process	Jihye	Lee	Korea Institute of Machinery and Materials	Jihye	Lee	Korea Institute of Machinery and Materials
PRESM2023-A603	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Use of CNT sheet for Polymer Electrolyte Membrane Fuel Cells	Taehyun	Park	Soongsil University	Taehyun	Park	Soongsil University
PRESM2023-A605	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	Bearing capacity analysis of small pile foundations for foundation safety of agricultural photovoltaic systems	Taejin	Kim	Seoul National University	Younghwan	Son	Seoul National University
PRESM2023-A614	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	7. New and Renewable Energy	An Investigation of Electrochemical Impedance Spectroscopy Regarding on Battery Series-/Parallel- Connections	Minho	Yoon	Wonkwang University	Ikwhang	Chang	Wonkwang University
PRESM2023-A089	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	8. Sustainable Technology	Numerical Study of Fin-tube Heat Exchanger for Exhaust Gas Heat Recovery System	Kyung Jin	Bae	Korea Institute of Industrial Technology	Oh Kyung	Kwon	Korea Institute of Industrial Technology
PRESM2023-A090	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	8. Sustainable Technology	Comparison of Heat Transfer Characteristics on Absorber Heat Transfer Tubes for Absorption Chillers	Ji-Woon	Ko	Korea Institute of Industrial Technology	Oh Kyung	Kwon	Korea Institute of Industrial Technology
PRESM2023-A091	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	8. Sustainable Technology	Performance Evaluation of Fin-Tube Type Solid Desiccant Coated Heat Exchanger according to Dehumidification Conditions	Oh Kyung	Kwon	Korea Institute of Industrial Technology	Oh Kyung	Kwon	Korea Institute of Industrial Technology
PRESM2023-A109	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	8. Sustainable Technology	Injection Characteristics of Liquid Carbon Dioxide as a Volatile Lubricant for Dry Sheet Metal Forming	Jin-Cheol	Kim	University of Ulsan	Sung-Tae	Hong	University of Ulsan
PRESM2023-A127	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	8. Sustainable Technology	A Study on Hybrid Acoustic Emission Diagnostic Technology for Refrigerant Leakage Detection	Hyeonsu	Song	Changwon National University	Jaesun	Lee	Changwon National University
PRESM2023-A128	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	8. Sustainable Technology	Deep Learning-Based Defect Analysis Study of CRDM Nozzle Diagnosis Signal Using TOFD	Soomin	Lee	Changwon National University	Jaesun	Lee	Changwon National University
PRESM2023-A192	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	8. Sustainable Technology	Development of fire prevention prediction model for nuclear power plant	Thien Khieu	Ha	Chung-Ang University	Hong Sun	Ryou	Chung-Ang University
PRESM2023-A197	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	8. Sustainable Technology	Full Bio-based Epoxy Thermoset Derived from Vanillin Alcohol and Furfuryl Amine	Duc Hoa	Pham	Inha University	Jaehwan	Kim	Inha University
PRESM2023-A208	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	8. Sustainable Technology	One-step deposition of metal oxides hybrid photoanodes for improved photoelectrochemical water splitting	Muhammad Shehroze	Malik	University of Ulsan	Doo-Man	Chun	University of Ulsan
PRESM2023-A497	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	8. Sustainable Technology	Development of NO2/SO2 Gas Detection System using UV-LED Light Source	Seongmin	Lee	Chung-Ang University	Seok-min	Kim	Chung-Ang University
PRESM2023-A604	Regular	POSTER-2	Tuesday, July 18	15:25-16:25	8. Sustainable Technology	Calculation of LCA-based carbon emissions for permeable blocks using industrial by-products	Jihun	Jeon	Seoul National University	Younghwan	Son	Seoul National University
PRESM2023-A024	Special	POSTER-4	Thursday, July 20	16:15-17:05	1. Railway Engineering	A Study on the Modeling of Railway Vehicles Using PSCAD/EMTDC Based on MVDC	Hanmin	Lee	Korea Railroad Research Institute	Hanmin	Lee	Korea Railroad Research Institute
PRESM2023-A121	Special	POSTER-4	Thursday, July 20	16:15-17:05	1. Railway Engineering	Evaluation of contact fatigue life of wheel-rail using finite element analysis	Jung-Won	Seo	Korea Railroad Research Institute	Jung-Won	Seo	Korea Railroad Research Institute
PRESM2023-A139	Special	POSTER-4	Thursday, July 20	16:15-17:05	1. Railway Engineering	Numerical investigation on the mitigation performance of droplet transmission using new airflow design in the high-speed train	Sungho	Yun	Korea Railroad Research Institute	Sungho	Yun	Korea Railroad Research Institute
PRESM2023-A159	Special	POSTER-4	Thursday, July 20	16:15-17:05	1. Railway Engineering	On-board Monitoring System for diagnosing the condition of High-speed Train	Seok Jin	Kwon	Korea Railroad Research Institute	Jung-Won	Seo	Korea Railroad Research Institute
PRESM2023-A205	Special	POSTER-4	Thursday, July 20	16:15-17:05	1. Railway Engineering	Real-time diagnosis method of reduction gear unit for railroad vehicles through gear mesh frequency filtering	Kyung Ho	Moon	Korea Railroad Research Institute	Kyung Ho	Moon	Korea Railroad Research Institute
PRESM2023-A239	Special	POSTER-4	Thursday, July 20	16:15-17:05	1. Railway Engineering	A Study on the Applicability of Ultrasonic Crack Inspection System for High-Speed Railway Wheels	Min-Soo	Kim	Korea Railroad Research Institute	Min-Soo	Kim	Korea Railroad Research Institute
PRESM2023-A243	Special	POSTER-4	Thursday, July 20	16:15-17:05	1. Railway Engineering	A Study on Running Safety Evaluation of Steel Wheeled Light Rail Vehicles on Incheon Urban Railway Line 2	Young-Sam	Ham	Korea Railroad Research Institute	Young-Sam	Ham	Korea Railroad Research Institute
PRESM2023-A318	Special	POSTER-4	Thursday, July 20	16:15-17:05	1. Railway Engineering	Effect of Shaft Misalignment on Bending Strength and Contact Pressure of Helical Gear	Dong-Hyung	LEE	Korea Railroad Research Institute	Dong-Hyung	LEE	Korea Railroad Research Institute
PRESM2023-A556	Special	POSTER-4	Thursday, July 20	16:15-17:05	1. Railway Engineering	Overlay Welding of Worn Railway Wheels	Byeong Choon	Goo	Korea Railroad Research Institute	Byeong Choon	Goo	Korea Railroad Research Institute
PRESM2023-A573	Special	POSTER-4	Thursday, July 20	16:15-17:05	1. Railway Engineering	A Study on the Structural Stability and Test Procedure Establishment of Lower Articulation for Low-Floor Tram Using Meta-model	Ji-Won	Jin	Korea Testing Laboratory	Hae Young	Ji	Korea Testing Laboratory
PRESM2023-A579	Special	POSTER-4	Thursday, July 20	16:15-17:05	1. Railway Engineering	A study on the test method of a Solid State Transformer for railway for commercialization	SEUL	LEE	Korea Testing Laboratory	No-geon	Jung	Korea Testing Laboratory
PRESM2023-A580	Special	POSTER-4	Thursday, July 20	16:15-17:05	1. Railway Engineering	A Study on the Development of a Process for Verifying a Remote Control Automatic Coupling and Decoupling System using Long-Distance Communication	Jae Won	Lee	Korea Testing Laboratory	Hae Young	Ji	Korea Testing Laboratory
PRESM2023-A582	Special	POSTER-4	Thursday, July 20	16:15-17:05	1. Railway Engineering	A Study on Axle Load and Wheel Load Management to Prevent Derailment of Wagons in Korea	Chanwoo	LEE	Korea Railroad Research Institute	Chanwoo	LEE	Korea Railroad Research Institute
PRESM2023-A141	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Compression Molding-structural Coupled Analysis to Predict the Local Anisotropic Behavior of Short fiber- reinforced Composites Structures	DaYoung	Jang	Kumoh National Institute of Technology	JangWoo	Han	Kumoh National Institute of Technology
PRESM2023-A142	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Numerical Investigation of Local Fiber Orientation and Mechanical Behavior of Short Fiber-reinforced Composite Structures in the Injection Molding	Geung Hyeon	Lee	Kumoh National Institute of Technology	Jang Woo	Han	Kumoh National Institute of Technology
PRESM2023-A162	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Finite element formulation for accurate and efficient thermo-mechanical analysis of laminated composite structures	Jang-Woo	Han	Kumoh National Institute of Technology	Jang-Woo	Han	Kumoh National Institute of Technology
PRESM2023-A226	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Validation of Deflection of Beam Consisting of Bonded Particle Model Based on Discrete Element Method	HaYoon	Kim	Kumoh National Institute of Technology	Junyoung	Park	Kumoh National Institute of Technology
PRESM2023-A227	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Discrete Element Method on the Relationship between the Velocity and Escape Time of Pedestrians During Evacuation at a One-way Exit with Various Angles	Taehyeong	Kim	Kumoh National Institute of Technology	Junyoung	Park	Kumoh National Institute of Technology
PRESM2023-A286	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Scalable Fabrication of Flexible Conducting Electrodes using Laser-Induced Plasmonic Sintering with Self-Generated Silver Nanoparticles	Yun Sik	HWANG	Kumoh National Institute of Technology	Jung Hwan	Park	Kumoh National Institute of Technology
PRESM2023-A304	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Laser-Induced Plasmonic Annealing of Copper Nanoparticles for Flexible Touch Screen	Dong Gyu	Lee	Kumoh National Institute of Technology	Jung Hwan	Park	Kumoh National Institute of Technology

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Abstract No.	Role	Category	PT Date	Time	Topics	Title	Presenter First Name	Presenter Last Name	Presenter Affiliation	Corresponding First Name	Corresponding	Corresponding Affiliation
PRESM2023-A310	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Self-limited Plasmonic Annealing of AgNWs via Flash Irradiation for Transparent Flexible Energy Harvester	Jae Chan	Heo	Kumoh National Institute of Technology	Jung Hwan	Park	Kumoh National Institute of Technology
PRESM2023-A326	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Survey of Automatic Modulation Recognition using Deep Learning	Jihwan	Park	Kumoh National Institute of Technology	Wansu	Lim	Kumoh National Institute of Technology
PRESM2023-A329	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Survey of Data Packet Analysis in Communication Networks	Yeongmin	Jeong	Kumoh National Institute of Technology	Wansu	Lim	Kumoh National Institute of Technology
PRESM2023-A330	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Integration of Vehicle Control Unit and Energy Management System for Electric Vehicles	Jeong-in	Kim	Kumoh National Institute of Technology	Wansu	Lim	Kumoh National Institute of Technology
PRESM2023-A337	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Establishment of Real-Time Monitoring System and Database for Fault Diagnosis of Industrial Fiber Weaving Preparation Process	Minjae	Kim	Kumoh National Institute of Technology	Baeksuk	Chu	Kumoh National Institute of Technology
PRESM2023-A349	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Wrinkled Stretchable Cu Conductor with Excellent Conductivity through Flashlight Process	Yu Mi	Woo	Kumoh National Institute of Technology	Jung Hwan	Park	Kumoh National Institute of Technology
PRESM2023-A385	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Structural Stability Evaluation of Panel Bridge with MLC	DongYun	Kim	Kumoh National Institute of Technology	JangWook	Hur	Kumoh National Institute of Technology
PRESM2023-A400	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	A Study on the Sway Motion of Ropeway Facilities Remote Inspection Robots Using Dynamic Analysis	Hyeonjae	Jeong	Kumoh National Institute of Technology	Baeksuk	Chu	Kumoh National Institute of Technology
PRESM2023-A460	Regular	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Fabrication of Detachable Conductive Patterns by Selective Laser Sintering of Silver Nanoparticles-Photopolymer Ink	Chan-Woo	Kim	Kumoh National Institute of Technology	Gil-Yong	Lee	Kumoh National Institute of Technology
PRESM2023-A478	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Performance evaluation of a wearable strain sensor fabricated by laser sintering	Hyesu	Jo	Kumoh National Institute of Technology	Gil-Yong	Lee	Kumoh National Institute of Technology
PRESM2023-A481	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	In-situ evaluation of mechanical properties of various geometries at the microscale	Min-Hyeong	Lee	Kumoh National Institute of Technology	Gil-Yong	Lee	Kumoh National Institute of Technology
PRESM2023-A482	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	DIC-based feature detection of patterns fabricated by focused ion beam (FIB)	Ji-Su	Park	Kumoh National Institute of Technology	Gil-Yong	Lee	Kumoh National Institute of Technology
PRESM2023-A491	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	A Study on the Random Vibration Analysis of Peer Identification Antenna	SungWook	Song	Kumoh National Institute of Technology	JangWook	Hur	Kumoh National Institute of Technology
PRESM2023-A566	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Gait-Posture Patterns for Multi-modal Emotion Recognition on Extended Reality	Paul Angelo P.	Oroceo	Kumoh National Institute of Technology	Wansu	Lim	Kumoh National Institute of Technology
PRESM2023-A578	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Performance Evaluation of Fibrous Sensor Based on Mechanoluminescent Material	Minseo	Kim	Kumoh National Institute of Technology	Jung Woo	Sohn	Kumoh National Institute of Technology
PRESM2023-A594	Special	POSTER-4	Thursday, July 20	16:15-17:05	2. Multidisciplinary Research & Mechatronics for Aero/Defense Applications	Image-Based Object Recognition for Autonomous Mobile Robot	Jeong-Seo	Jang	Kumoh National Institute of Technology	Jung Woo	Sohn	Kumoh National Institute of Technology
PRESM2023-A631	Special	POSTER-2	Tuesday, July 18	15:25-16:25	1. Transfer Robot Fabrication and Control for Smart Farm and Smart Factory Applications	Verifying and controlling multi-sensor data using a Web service	Heon Uk	Lee	Jimbo Robotics Inc.	Sang Cheol	Lee	Daegu Gyeongbuk Institute of Science and Technology
PRESM2023-A632	Special	POSTER-2	Tuesday, July 18	15:25-16:25	1. Transfer Robot Fabrication and Control for Smart Farm and Smart Factory Applications	The modular drive platform for transfer robot of Smart farm and Smart factory	Hyun Kyu	Lee	Pusan National University	Sang Cheol	Lee	Daegu Gyeongbuk Institute of Science and Technology
PRESM2023-A633	Special	POSTER-2	Tuesday, July 18	15:25-16:25	1. Transfer Robot Fabrication and Control for Smart Farm and Smart Factory Applications	The motor control system for transfer robot of Smart farm and Smart factory	Seong Hyeon	Choi	Korea Maritime and Ocean University	Sang Cheol	Lee	Daegu Gyeongbuk Institute of Science and Technology
PRESM2023-A634	Special	POSTER-2	Tuesday, July 18	15:25-16:25	1. Transfer Robot Fabrication and Control for Smart Farm and Smart Factory Applications	Development of Guidance Robot for the Visually Impaired using UWB Sensor	A Hyeon	Kim	Dong-A University	Sang Cheol	Lee	Daegu Gyeongbuk Institute of Science and Technology
PRESM2023-A635	Special	POSTER-2	Tuesday, July 18	15:25-16:25	1. Transfer Robot Fabrication and Control for Smart Farm and Smart Factory Applications	Method of Noise Cancellation by Applying a Median Filter and Kalman Filter to UWB Sensor Data	Su Jin	Baek	Dong-A University	Sang Cheol	Lee	Daegu Gyeongbuk Institute of Science and Technology