

Sep 26th			
SP-01	Jiaxin	Ding	Magnetic Field Modulation Mechanism and Torque Performance Optimization for Dual-Modulation Nutation Magnetic Gear with High Torque Density
SP-03	Yaming	Liu	A Novel Battery State of Health Estimation Method based on Entropy Domain Feature
SP-05	Yujie	Zhong	Tunable Terahertz Perfect Absorber with Perturbed MoS2 Plasmon Modes
SP-07	WeiTing	CHEN	Numerical Analysis of Ocean Thermal Energy Conversion System Using Solar-Heated Platform and Thermoelectric Devices
SP-09	Yu-Ming	Cheng	The study on bioenergetics health index analysis of a coral polyp in a microfluidic device
SP-11	Ming-Ching	HO	Enhanced Blood Compatibility and Adhesion of SLM Ti Alloy Vascular Stent Wires by Oxidized Polydopamine-Pyrolytic Diamine Composite Coatings
SP-13	Yu-En	Hsiao	Design and Biomechanical Analysis of Passive Lower Limb Exoskeleton
SP-15	Hung-Po	Hsueh	A Study on dynamic detection and analysis of wind turbine by optical flow method
SP-17	Yu-Heng	Huang	Control Strategies and Biomechanical Analysis of Active Lower Limb Exoskeletons
SP-19	Ru-Zhi	Ma	A miniature intermittent-flow respirometry system to study the physiological metabolism of a living coral polyps
SP-21	Taiki	Bono	High speed observation of the growth and collapse of a bubble and the corresponding pressure measurement near a solid wall
SP-23	Rikuto	Nitta	Platform Position Control of a Floating Offshore Wind Turbine-Generator System by Aerodynamic Manipulation
SP-25	BOYUN	ZHANG	Surrogate Model-Assisted Multi-Objective Optimal Design of Energy Storage and Supply Systems
SP-27	Kokoa	ARASUNA	High Wear Resistance Property of Carbon Fiber Reinforced PEEK
SP-29	Sae	Fujita	A Data-driven Design for Two-degree-of-freedom Control System with Desired Stability Margin
SP-31	Yuto	Fukui	Strategy for Applying Reinforcement Learning-based Control to Real Systems by Rough Parameter Estimation and Domain Randomization
SP-33	Taiki	GOTO	Wear Improvement of Resins Using Wood Utilized Copper Particles
SP-35	Kanato	Haruo	Development of a surgical assistive device for repairing torn anterior cruciate ligament (ACL)
SP-37	Yusuke	HIRAI	Development of a tri-axis force sensor for measuring joint reaction forces during reverse total shoulder arthroplasty.
SP-39	Kihoka	Ida	Investigation of selection method for welding condition of friction welded joints into different weld faying diameter
SP-41	Taiga	Ishii	Estimating muscle activities using musculoskeletal model analysis and numerical calculations
SP-43	Rintaro	Kamei	Investigation of prerequisite condition of friction welded joints between A7075 and low carbon steel with pure Ti insert metal
SP-45	Ryuto	Kobayashi	Output Consensus Control of Multi Agent Systems with Heterogeneous Dynamics Using Simple Adaptive Control
SP-47	Naoki	Maeda	The creation of a water adsorption refrigeration system using PNIPAM gel
SP-49	Shoki	MURAKAMI	Measurement of equivalent thermal conductivity of motor coils using the modified steady-state method
SP-51	Kyosuke	Nakagawa	A novel surgical treatment using self-locking pins and a circumferential wire for patellar fracture
SP-53	Takuya	NAKANO	Experimental study on critical heat flux of shear-driven liquid film flow on a horizontal heating surface with long heating length
SP-55	Ryota	Ohnishi	Evaluation of Frictional Properties of Concentration-Modulated Diamond Films
SP-57	Shota	Okada	Formability of Titanium Corrugated Clad Cup with Voids
SP-59	Ryo	Orita	Proposal of an Online Parameter Identification Method Using Deep Unfolding
SP-61	Kaito	Sato	Lecture of Al-Si alloy casting processes in Department of Mechanical Engineering and Metallurgy, School of Engineering, University of Hyogo
SP-63	Shusuke	Suzuki	Investigation of friction welding conditions for friction stud welded joints between A5052 and SS400 with A5052 insert piece
SP-65	Gaku	Terazono	Evaluation of momentum transport thorough the water surface with the typhoon simulation tank
SP-67	Daichi	Yamaguchi	Fabrication and microstructure of Metal/SiOx specimens for the basic research on the electron irradiation – electronic excitation induced structural changes
SP-69	Koh	Yamamoto	Network tele-microscopy observation system in Research Center for Advanced Metallic Materials at University of Hyogo and Hyogo Prefectural Institute of Technology
SP-71	Ryo	Yoneda	Fractional-Order LQR Control of a Magnetic Levitation System
SP-73	Natsuki	Yukizono	Creation of Chinese magic mirror by using laser forming

Note that this list has the presenters without registration and payment, whoes poster presentations will be canceled on site.

Sep 27th			
SP-02	Yonglin	Huang	Terahertz Non-destructive Testing and Evaluation of Self-lubricating Sliding Bearing Coatings
SP-04	Chenmin	Zhao	Morphing mechanics of a prestrained composite tape-spring structure
SP-06	Li Yung	Chen	Enhancing Automotive Energy Efficiency: Simulating Thermoelectric Generators in Exhaust Systems to Optimize Waste Heat Recovery
SP-08	Yu-To	Chen	A Study on dynamic detection of wind turbine blades by UAV image motion compensation technology
SP-10	Yu-Chen	Chung	Design and Motion Analysis of an Undulating Fin Underwater Robot
SP-12	Han-Yi	Hsiao	Mechanical Property Measurement of Graphene Fractal Patterns on PI by Using Fourier transform profilometry
SP-14	Hsueh-Hua	Hsu	Efficiency Optimization of Thermoelectric Generators Integrated with Parallel Plate Heat Exchangers: A Comparative Study of Leg Geometries
SP-16	Ssu-Chi	Huang	Real-time surface defect detection and analysis of small metal castings by using deep learning algorithm
SP-18	Jia Rou	Lin	Optimizing Thermoelectric Power Output in Closed-Cycle OTEC Systems Using Double-Tube Heat Exchangers: A COMSOL Simulation Study
SP-20	Yi Xiang	Xue	Impact of Fin Geometry and Perforated Plates on Thermoelectric Generator Efficiency in Engine Heat Recovery Systems
SP-22	Ryotaro	Kameda	Numerical investigations of the interaction between bubbles and pressure waves near tissue boundaries and the corresponding matter transport
SP-24	Ryotaro	Shibata	Efficient Toluene Removal with Dry and Wet Hybrid Nonthermal Plasma Reactors
SP-26	Teni	AKIMOTO	In-situ Observation of Friction Interface between POM and Glass in Relatively High Contact Pressures
SP-28	Kazuki	Fujita	A Method to Improve Accuracy of GNSS Single Positioning Using Velocity Estimation from Doppler Frequency
SP-30	Takehiro	Fukazawa	Investigation of the gravity effects on boiling heat transfer onboard the International Space Station.
SP-32	Yuichiro	FUSE	Study on Mixing and Stirring in Double-Tube Heat Exchangers
SP-34	Yu	Goto	Joint force measurements on cadavers during total hip arthroplasty verification of force sensor accuracy for measuring joint reaction forces
SP-36	Motoko	Hatanaka	Analysis of the effect of elastic fins oscillating near the water surface
SP-38	Toshiaki	Hosaka	Evaluation of Bondability of Functional Laminate to Mg Alloy by Shot Peening
SP-40	Tatsuhiro	Inoue	The effect of low energy ion flux on the growth of dc sputtered metal thin films
SP-42	Yusho	Ishikawa	Suppression of Karman Vortex by PID Control with Pressure Gradient
SP-44	Keisuke	Kitashouji	Anti-loosening properties of two different particles induced abrasive and adhesive wear in threaded fasteners under vibration
SP-46	Naoki	Kurihara	The effect of surfactant on the wave under typhoon condition
SP-48	Haruka	Maruyama	Parameter Identification of Rotor Power Consumption Model for Energy Saving Control of Input Redundant Drones
SP-50	YUKI	MURAYAMA	Investigation of laser irradiation condition on outer surface and mechanical properties of AISi12 alloy manufactured by laser powder bed fusion
SP-52	Hiroto	Nakai	Model Predictive Control with Extended State Observer and its Application to Quadrotor Control
SP-54	Hikaru	Nishino	Influence of sea-surface flux changes on typhoon intensity
SP-56	Hibiki	Okada	W-Ti-C alloy films prepared by triple source dc magnetron sputtering
SP-58	Yuta	ONISHI	Software development for detecting abnormal signal outputs of a device measuring joint reaction forces for Total Hip Arthroplasty.
SP-60	Naoki	Saeki	Effectiveness and optimal positioning of screws for preventing fractures after distal tibial tuberosity osteotomy.
SP-62	Hiroaki	Shimizu	Effects of microdeformation and heat treatment on tensile properties of pure titanium
SP-64	Tsukasa	Tatematsu	Fabrication and Solidification Microstructure in the Ingots of Ti-Zr-Mn-V-Ag Alloy Designed through Machine Learning
SP-66	Rintaro	Tsunefuji	Effects of component flow ratio of immiscible mixtures on flow boiling in a rectangular channel.
SP-68	Takumi	Yamakado	Mode separation of J-integration of peeling film with large deformation under mixed-mode loading
SP-70	Takuto	Yanagita	Performance verification of NTE capsule with new geometry stroke adjustment mechanism
SP-72	Koichi	Hatanaka	Optimal laser forming conditions for repairs of dented metal sheet

Note that this list has the presenters without registration and payment, whoes poster presentations will be canceled on site.