

# Administration Building 12F International Conference Hall

Short speech by poster speakers & Poster session (16:10-17:10)

Chair : Chia-Hung Lu

Field: Mechanical 、 Chemistry and Materials

No.	Presenter	Title
MCM-P-1	H.-M. Tsai	Failure Analysis of the Gas Line Welding Steel Pipe
MCM-P-2	M.-S. Yen	Study and Improvement of the Deformation During the Engine Bracket Hole-making Process for Titanium Alloy
MCM-P-3	Y.-T. Chen	Adhesion Study of Glassy Film Coating by Vacuum Sputtering
MCM-P-4	Daiki Hikoso	Aggregation/Self-Assembly-Induced Approach for Efficient AuAg Bimetallic Nanocluster-Based Photosensitizers
MCM-P-5	Duangkamol Dechoiarassri	Effect of NaOH concentration as coagulant in production of chitosan fiber coated with oxidized cellulose nanofiber on their properties
MCM-P-6	Fumito Baba	Development of Phosphatase Probe Based on Rotaxane Structure
MCM-P-7	Hidenobu Maruno	Effect of single and multi-interlayer on diamond-like carbon coating on austenitic stainless steel
MCM-P-8	Keita Miki	Hydrothermal Synthesis of Fluorescent Carbon Quantum Dots from Lignin as Carbon Source
MCM-P-9	Kensuke Nishida	Effect of Oxidized Cellulose Nanofiber Concentration as Coagulant for Oxidized Cellulose Nanofiber Coating Chitosan Fiber on Their Property
MCM-P-10	Kota Sakamoto	Application of DNA Quadruplex Gels as a Drug Releasing Device
MCM-P-11	Masahide Goto	Synthesis and Cross-linking Reaction of Polyacetylenes Substituted with Benzoxazine Rings
MCM-P-12	Mikiho Waga	Effect of Bias on Layer Formation During Two-Step Plasma Nitriding Using A Cathodic Screen
MCM-P-13	Naoya Toshioka	Investigation of Corrosion Resistance in Two-Step Plasma Nitriding Treatment from High Temperature to Low Temperature
MCM-P-14	Shintaro Sakurai	Air-Sinterable Cu-Based Composite Inks at Low Temperature Using Filtration-Induced Accumulation of Cu Flakes on Paper
MCM-P-15	Shumpei Ishikawa	Effect of Solution Freezing for AuNPs Conjugation with DNA Origami
MCM-P-16	Shun Murasawa	Preparation of N-Phthaloyl Chitosan by A Microwave Assisted Method
MCM-P-17	Soki Sato	Synthesis and Higher Order Structures of Hybrid Polymers Consisting of Peptide and $\pi$ -Conjugated Units
MCM-P-18	Taichi Sotani	Synthesis and Structure-Control of Platinum-Containing Conjugated Polymers Bearing Bipyridine Ligands
MCM-P-19	Takahiro Ishida	Control of Higher Order Structures of Platinum-containing Conjugated Polymers by Ligand Exchange Reaction
MCM-P-20	Takato Karimoto	Fabrication of CoCrFeMnNi High Entropy Alloys by Spark Plasma Sintering
MCM-P-21	Takuto Matsui	Effect of Surface Deposits and Nitrided Layer Thickness in Duplex Treatment of High-Temperature Short-Time Plasma Nitriding and DLC Coating
MCM-P-22	Tatsuki Kubo	Boronizing Coating of Austenitic Stainless Steel by Spark Plasma Sintering Technique
MCM-P-23	Tomoyuki Nakagawa	PDT Evaluation of $\pi$ -extended Porphyrin with Carboxyl Group
MCM-P-24	Yuya Tanaka	Bonding of Magnesium Alloy and Pure Titanium by Spark Plasma Sintering

# Administration Building 9F, Conference Room 03C0903

Short speech by poster speakers & Poster session (16:10-17:10)

Chair : Pang-Chieh Lin

Field: Civil Engineering and Architecture

No.	Presenter	Title
CEA-P-1	Yau-Huei Fang	The Investigation of UAV with Thermal Camera for the Non-destructive Testing of Building Structures
CEA-P-2	Bin Jiang	Multi-Agent Model for Estimation of Health Policy Impacts
CEA-P-3	Hoki Nakamura	Personal Usage of Public Space According to Conception of Finaa
CEA-P-4	Man I Wu	Transport Policy of Local City connected to Bicycle Travel Demand
CEA-P-5	Ryosuke Michikoshi	Analysis of Indices by Living Sphere Area for a Healthy City
CEA-P-6	Junnan Yu	The Influence of Expansive Admixture and Shrinkage Reducing Agent on the Frost Damage Resistance of Semi-Self Compacting Concrete for a Seawall
CEA-P-7	Masahi Akimoto	Removal of Pharmaceutical Compounds in Water using Advanced Oxidation Processes
CEA-P-8	Masanobu Nakata	Pervaporation of ethyl acetate/ethanol mixture using hydrophobic silica membrane
CEA-P-9	Masashi Noguchi	Implementation of Automatic Differentiation Program for Indexed Nonlinear Optimization Problems
CEA-P-10	Ryosuke Yamashita	Proposal of Modified Hansen Solubility Sphere method using Solid as Reference Material
CEA-P-11	Sato Terutada	Influence of Fiber Distribution on Bending Toughness of Steel Fiber Reinforced Concrete
CEA-P-12	Takuya Tamura	Estimation of Hansen solubility parameter for mixed solvent using physical properties
CEA-P-13	Yuki Kato	A new measurement method of the Hansen solubility parameters by the capillary penetration method
CEA-P-14	Yusuke Negi	Flow analysis of pig blood in the artificial heart-lung machine using compact Falling Needle Rheometer (FNR)

# Administration Building 9F, Conference Room 03C0904

Short speech by poster speakers & Poster session (16:10-17:10)

Chair : Tzai-Der Wang

Field: Life Science

No.	Presenter	Title
LS-P-1	Hung-Jen Hung	The Research of the Implementation Technology for the Smart Internet of Things with Raspberry Pi3
LS-P-2	Tsung-Jung Hsieh	A Teaching Model for Industry 4.0-based Manufacturing System with Cyber-Physical System Architecture
LS-P-3	Hsin-Fang Shu	Interactive Touch Device Applied to Fish Jar
LS-P-4	Pei-Jun Ma	Ceiling Guidance Escape System
LS-P-5	Wei-Yu Ko	Implementation of Solar LED Road Signs and Indicators
LS-P-6	Zi-Xuan Chou	Automatic Shutters Used for Dimmable Lightening
LS-P-7	Daisuke Sugahara	Task Scheduling Taking Account of Communication Delay in Mobile Edge Cloud
LS-P-8	Fuga Yamashita	Frequency Division Multiplexing for an Analog Complex-Valued Neuron Circuit
LS-P-9	Kenya Takeuchi	Swarm Reinforcement Learning Method for Partially Observable Markov Decision Process
LS-P-10	Kyohei Hamada	Replacement Method of TCAM Cache Rules Considering Their Dependency In SDN
LS-P-11	Kyosuke Nakagawa	Study on Practical Application of Portable Parametric Array Loudspeaker
LS-P-12	Mao Kuroda	Effectiveness of Genetic Multi-Step Search in Interpolation and Extrapolation Domains in Symbolic Regression Problems
LS-P-13	Reo Maeda	Helmet ANC System with Virtual Sensing Technique
LS-P-14	Shota Mizoguchi	Control of SCARA Robot by Neural Network Using Simultaneous Perturbation Learning Rule
LS-P-15	Tsukasa Kitamura	Caching Policy based on User Tastes
LS-P-16	Xu Feng	A Study on SOM-SOM-Hebb Spatio-temporal Vector Classifier
LS-P-17	Yusaku Hayamizu	A Study on Reactive ICN-Routing for IoT Data Processing
LS-P-18	Yuya Kumai	Deterministic Modeling for Self-Evolving Botnets
LS-P-19	Pao-Hui Chang	Using Systematic Decision-making Methods and R Software Regression Analysis to Establish Bidding Decision System
LS-P-20	Yen-Yi Chen	A Study on the Use of Differential Evolution Algorithms to Solve Vehicle Routing Problems
LS-P-21	Dunke Chen	Inhibitory Effect of Natural Antioxidants on Generation of Aldehydes as Lipid Peroxidation End-Product in Scarp Hair
LS-P-22	Haruko Tsunekawa	Fabrication of Three-Dimensional-Cardiac Tissues Using Layer-By-Layer Technique
LS-P-23	Hirokazu Oho	Design, Synthesis and Evaluation of 7-Azaindolinederivative as Muscarinic Acetylcholine Receptor Agonist
LS-P-24	Hiroto Masuda	Chemical Modification of Hair Proteins Under the Influence of UV Irradiation and Hair Bleaching
LS-P-25	Kazuki Furihata	Synthesis of Phenyl Hydroxamates as Histone Deacetylase6 Inhibitors
LS-P-26	Naoki Yamako	Construction Of Three-Dimensional Skin Tissue Models Using Layer-By-Layer Technique For Drug Discovery
LS-P-27	Ryo Murakami	Identification of Supercooling-Facilitating Materials in Coffee Residue
LS-P-28	Takehiro Fuji	Identification of Antifreeze Polysaccharide from a Japanese Edible Mushroom, Flammulina veltipes
LS-P-29	Yuya Wakasa	Synthesis of Carborane-Folate Conjugate Targeting Cancer Cells for Boron Neutron Capture Therapy
LS-P-30	Yuki Inagaki	On a Compact Embedding of Dirichlet Spaces of Ornstein-Uhlenbeck Semigroups with Jumps