

Poster Session

No.	Author	Title	Affiliation	Department
1	Akiko TSUTSUKI	The Laughter and Happiness for Social Symbiosis and an Environmental Interaction	Keio University	Graduate School of System Design and Management
2	Masao SAEKI	The Optimism and Kindness Intervention Increased Subjective and Psychological Well-Being: A 3-week Intervention Study in Japan	Keio University	Graduate School of System Design and Management
3	Keisuke UMEZAWA	Characterizing the delamination resistance of M21/T800s laminates for aircraft composite fuselage applications	The University of Tokyo	Department of Aeronautics and Astronautics
4	Takaya INAMORI	Jitter reduction of a reaction wheel by the management of angular momentum using MTQs in small satellite missions	The University of Tokyo	Department of Aeronautics and Astronautics
5	Christopher Thomas RAABE	Estimating Actuator Effectiveness in an Over-actuated System	The University of Tokyo	Department of Aeronautics and Astronautics
6	Jihe WANG	Optimal Fuel-Balanced Cluster Flight Relative Geometry Maintenance Strategies	The University of Tokyo	Department of Aeronautics and Astronautics
7	Seok JUNG	The mitigation of CO2 emissions: LMDI analysis based on the IPAT equation	The University of Tokyo	Department of Systems Innovation
8	Adriana ANDREEVA-MORI	Effect of the Ratio of Heavy to Medium Aircraft on the Possible Fuel Burn Decrease by Adjusted Aircraft Sequencing	The University of Tokyo	Department of Aeronautics and Astronautics
9	Jingyu XIANG	Roadmap Based on Variable-resolution for Autonomous Mobile Robots	Nagoya University	Department of Mechanical Science and Engineering
10	Takashi SHIBUI	Experimental Research on Ducted Fan MAV	The University of Tokyo	Department of Aeronautics and Astronautics
11	Takuma HINO	Polygonal Envelopes for Fast Planning of Formation Flying	The University of Tokyo	Department of Aeronautics and Astronautics
12	Dong WEI	Development of real time and highly accurate air turbulence correction system: proposal	The University of Tokyo	Department of Precision Engineering
13	Shunsuke KOMIZUNAI	Biped Walking of a Humanoid Robot on Loose Soil	Tohoku University	Department of Aerospace Engineering, Graduate School of Engineering
14	Keiichiro ITO	Portable and Attachable Tele-Echography Robot system: FASTele	Waseda University	Graduate School of Creative Science and Engineering
15	Guanghai LI	Hybrid Moving Task Assignment for Distributed Multi-robot Coordination	The University of Tokyo	Department of Precision Engineering
16	Young-Min BAEK	Failure free visual forceps tracking by fusing kinematic information	The University of Tokyo	Department of Mechanical Engineering
17	Yuping LIU	Energy and Exergy Analyses of Drying Process Based on Self-Heat Recuperation Technology	The University of Tokyo	Department of Mechanical Engineering
18	Su Su Khine MA	A study on factors affecting the photocatalytic H2 evolution activity of ZrO2 /TaON photocatalyst	The University of Tokyo	Department of Chemical System Engineering
19	Naoyuki NISHIMURA	Photoelectrochemical Properties of LaTiO2N porous electrodes prepared using the various powder samples	The University of Tokyo	Department of Chemical System Engineering
20	Shujun ZHOU	Effect of EO-PO-EO Triblock Copolymers on the Anisotropic Assembly of Silica Nanospheres	The University of Tokyo	Department of Chemical System Engineering
21	Sufang GUO	Synthesis and Characterization of Ordered Silica–Organic Hybrid Materials with Photo-responsive Property	The University of Tokyo	Department of Chemical System Engineering
22	Fumiya NIKAIIDO	Surface Structure and Dissolution Behavior of Silica Depending on Solution Condition	The University of Tokyo	Department of Chemical System Engineering
23	Masatoshi TSUDA	Warpage Variations of Si/Solder/OFHC–Cu Layered Plates Subjected to Cyclic Thermal Loading	Nagoya University	Department of Computational Science and Engineering
24	Ihho PARK	Hydrogenation-induced microstructure changes of pseudo-binary (Pr _{1-x} Mgx)Ni ₂ Laves alloys	The University of Tokyo	Department of Materials Engineering
25	Takehito SEKI	Extremely Long-Period 1D Stacking Polytypes in Al ₃ Co ₄	The University of Tokyo	Department of Materials Engineering
26	Bin FENG	Atomic resolution STEM studies of CeO ₂ grain boundaries	The University of Tokyo	Department of Materials Engineering
27	Nobuaki TAKAHASHI	First principles studies on the oxygen vacancy formation and migration behaviors in pristine and Y-doped α -Al ₂ O ₃ grain boundary	The University of Tokyo	Department of Materials Engineering
28	Teng-Yuan CHANG	Direct observation of Pt atoms on TiO ₂ surface with aberration corrected scanning electron microscopy	The University of Tokyo	Department of Materials Engineering
29	Daisuke HIRAI	Numerical Simulation of AC Response of Defective Metallic Carbon Nanotubes	The University of Tokyo	Department of Materials Engineering
30	Dong Young KIM	Electronic defects formation and its effect on electrochemical properties of Fe-doped BaZrO ₃	The University of Tokyo	Department of Materials Engineering
31	Sudong WU	Hydrogen effects on the epitaxial Si films deposition in Ar-H ₂ -SiHCl ₃ mesoplasma processing	The University of Tokyo	Department of Materials Engineering
32	Jiyoung ROH	Evaluation of Atomic Arrangement and the Pr dopants Segregation Behavior of ZnO Σ 13 (134(-)0) STGB	The University of Tokyo	Department of Materials Engineering
33	Stephanie Yin Wai TING	High-hydrostatic pressurization treatment for the decellularization of bovine articular cartilage for tissue engineering	The University of Tokyo	Department of Mechanical Engineering
34	Masahiro KOJIMA	The Effect of Mesh Design in Brain Aneurysm Hemodynamics	Nagoya University	Department of Micro-Nano Systems Engineering
35	Chunbao WANG	Development of WKA-5 System for Airway Management Training	Waseda University	Graduate School of Advanced Science and Engineering
36	Dengji GUO	Evaluations of the Downward Growth Characteristics on the 3-D Nanostructure Fabrication using Focused-Ion-Beam Chemical Vapor	The University of Tokyo	Department of Mechanical Engineering
37	Hiroyuki SUZUKI	Partial Control of Nanoporous Structures Using Block Copolymer Self-Assembly and Electron Beam Lithography	The University of Tokyo	Department of Mechanical Engineering
38	Yu SUN	Origin of the warpage of 3C-SiC wafer: Analysis on intrinsic stress distribution	The University of Tokyo	Department of Mechanical Engineering
39	Xinchun CHEN	Microstructure and Mechanical Properties of Nanoscale Multilayered Cr-C/a-C:Cr Thin Films	The University of Tokyo	Department of Mechanical Engineering
40	Jiao XU	Synthesis, Structure and Mechanical Properties of Fullerene-like CN _x films	The University of Tokyo	Department of Mechanical Engineering

41	Harish SIVASANKARAN	Enhanced thermal conductivity of fluids seeded with individualized single-walled carbon nanotubes inclusions	The University of Tokyo	Department of Mechanical Engineering
42	Bo HOU	Chemical Vapor Deposition synthesis of grapheme on Ni foil with ethanol and DME	The University of Tokyo	Department of Mechanical Engineering
43	Sungjin KIM	Toward graphene and single-walled carbon nanotube composite devices	The University of Tokyo	Department of Mechanical Engineering
44	Kehang CUI	Tuning Carbon Nanotubes for Thermoelectric Energy Conversion	The University of Tokyo	Department of Mechanical Engineering
45	Theerapol THURAKITSEREE	Diameter Control and Spectroscopy Study of Nitrogen-Doped Vertically Aligned Single-Walled Carbon Nanotubes	The University of Tokyo	Department of Mechanical Engineering
46	Hee-Yuen KOH	Influence of temperature and adsorbates on a carbon nanotube resonator by molecular dynamics simulations	The University of Tokyo	Department of Mechanical Engineering
47	JinHyeok CHA	Generalized Model of Thermal Boundary Conductance between SWNT and Surrounding Supercritical Lennard-Jones Fluid - Derivation from Molecular Dynamics Simulations-	The University of Tokyo	Department of Mechanical Engineering
48	Hiroyuki FUJII	Molecular-Dynamics Study of Relationship between Thermal and Transport Properties in Glass-Forming Liquids	Tohoku University	Department of Nanomechanics, Graduate School of Engineering
49	Toshiyuki OYAMA	Single Bubble Bouncing on a Free Surface -Focusing on Surface Energy Transfer-	The University of Tokyo	Department of Mechanical Engineering
50	Yuta YOSHIMOTO	Construction of interaction models of dissipative particle dynamics based on molecular dynamics simulations	The University of Tokyo	Department of Mechanical Engineering
51	Seungyong LEE	Simulation Platform for Automatic Platooning Using a Driving Simulator	The University of Tokyo	Department of Mechanical Engineering
52	Takaaki SHIMURA	Quantitative Analysis of SOFC Anode Microstructure Change during Redox Cycles	The University of Tokyo	Department of Mechanical Engineering
53	Yue FENG	Trench-filled Cellular Parylene Structure for Piezoelectric Transducer	The University of Tokyo	Department of Mechanical Engineering
54	Qianyan FU	Comparisons of vibration energy harvesters utilizing linear and nonlinear springs	The University of Tokyo	Department of Mechanical Engineering
55	Thu Thi Minh HUYNH	Eco-friendly cooling system using evapo-transpiration condenser	Keio University	Graduate School of Science and Technology
56	Dhruba PANTHI	Solid Oxide Fuel Cell and Stack Designs for Advanced Power Generation from Coal	The University of Tokyo	Department of Mechanical Engineering
57	Mohd Faizal Bin HASAN	Experimental study on a performance of a compact methanol steam reformer with Pd/Ag membrane	Keio University	Graduate School of Science and Technology
58	Mohd Rosdzimin Bin ABDUL RAHMAN	The Dynamics Response of Premixed Flames in Fuel Concentration Oscillations	Keio University	Graduate School of Science and Technology
59	Takanori MATSUKI	Gas chromatography on a micro-fabricated columns with pillars	The University of Tokyo	Department of Mechanical Engineering
60	Yi MENG	Effect of Recrystallization and Partial Remelting Method on Microstructural Evolution of SKD61 Tool Steel in Semi-solid State	The University of Tokyo	Department of Mechanical Engineering
61	Katsuyoshi IKEUCHI	Sheet Forming Process of Carbon Fiber Reinforced Plastics for Lightweight Parts	The University of Tokyo	Department of Mechanical Engineering
62	Hyung Won PARK	Microstructure Evolution in Low Carbon Steel by Hot Compression Test which Simulates Large-reduction Single-pass Rolling	The University of Tokyo	Department of Mechanical Engineering
63	Zhequn HUANG	Joining CFRP Sheet to Metallic Sheet by Plastic Deformation and Laser Welding	The University of Tokyo	Department of Mechanical Engineering
64	Kazutaka IKENOYA	Homogenized Elasto-Viscoplastic Behavior of Thick Perforated Metals at High Temperature	Nagoya University	Department of Mechanical Science and Engineering
65	Jiang GUO	Development of pressure control system for ultra-precision finishing	The University of Tokyo	Department of Precision Engineering
66	Shinya SAKUMA	Fabrication of Micro-pattern with Nano-pillars by Using Hybrid Mask Lithography	Nagoya University	Department of Micro-Nano Systems Engineering
67	Ikjoo BYUN	Fabrication of PDMS Nano Stamp and Si Nano Mold with Extremely Low Surface Energy by Various Nano Structures	The University of Tokyo	Department of Precision Engineering
68	Yanjiang HUANG	Selection of manipulator system by evaluating task completion time and cost with computational time constraint	The University of Tokyo	Department of Precision Engineering
69	Muzheng XIAO	Nanometer Profile Measurement of Large Aspheric Optical Surface with Improved Scanning Deflectometry	The University of Tokyo	Department of Precision Engineering
70	Hongqiang WANG	Peeling Force of Electrostatic Film Charged 3-phase Voltage	The University of Tokyo	Department of Precision Engineering
71	Caiyun YANG	Segmented tetrahedral meshes from CT images	The University of Tokyo	Department of Precision Engineering
72	Josiane PONOU	Removal of Cadmium (II) ions from water using dried or carbonized banana peels	The University of Tokyo	Department of Systems Innovation
73	Daichi WADA	Lateral Load Measurements by Optical Frequency Domain Reflectometry Using Long-Length Fiber Bragg Gratings	The University of Tokyo	Department of Systems Innovation
74	Hao WANG	Idea Discovery Driving Intelligence into Future Smarter Business	The University of Tokyo	Department of Systems Innovation
75	Olav Aanes FAGERLUND	SpMV routines on tera-scale GPUs	The University of Tokyo	Department of Systems Innovation
76	Qian FU	Electricity generation by a novel thermophilic microorganism	The University of Tokyo	Department of Systems Innovation
77	Akira EGAWA	A Study of Image Ranking from Eye Tracking Data— Influence of a Visual Saliency—	The University of Tokyo	Department of Systems Innovation