Poster Session – Group A	
24th June 2024 (Monday) @ L2 Atrium	
Theory, Design, Analysis, and Simulation	
OR-01-0037	**Development of Electromagnetic Energy Loss Criterion Based on Circuit Model** Mr Qingyin Sun *Southern University of Science and Technology*
OR-01-0044	**A Hydrogel Filter for Airborne Virus Collection and Enrichment** Mr Kehao Zeng *The University of Hong Kong*
OR-01-0067	**A Novel Calorimetric Flow Sensor Based on High TCF A1 Mode Resonators** Mr Xuankai Xu *ShanghaiTech University*
OR-01-0071	**Effect of Adhesive Bonding on the Piezoelectric Stick-Slip Actuator Performance** Ms Dipika Berry *Nanyang Technological University*
OR-01-0110	**The Plasma Simulation in Two-Dimensional and Axisymmetric Geometry Based on PIC/MCC Method** Mr Jiyang Liu *Southeast University*
OR-01-0144	**A Simulation of Capacitive Micromachined Ultrasonic Transducer Used for Ultrasound Imaging** Mr Haoliang Jia *Chongqing University*
OR-01-0152	**Comparative Analysis of Material Effects on Triangular Patch Antenna Performance with DGS** Dr Jayshree Das *B. V. Raju Institute of Technology*
OR-01-0167	**Enhanced the Output Performance on Piezoelectric Vibration Energy Harvesters via U-shaped Dynamic Magnifier** Mr Zhenfeng Ji *Chongqing University*
OR-01-0172	**Double-sided Tapered HS-AFM Nanocantilever for Biomedical Applications** Ms Eying Sim Wong *University of New South Wales*
Material, Fabrication, and Packaging Technologies	
OR-02-0083	**Effect of Synthesis Temperature on Synthesis of Gold Nanoparticles by Microfluidic Device** Mr Zhiyuan Fan *Kanto Gakuin University*
OR-02-0090	**Influence of Ar/C_2H_2 Gas Flow Ratio on CNT Growth Using Thermal CVD Method** Prof Sang-Seok Lee *Tottori University*
OR-02-0091	**Influence of Sn Doping Concentration on the Mechanical Properties of α-Ga_2O_3 Film** Prof Sang-Seok Lee *Tottori University*
OR-02-0096	**Stress Tuning in Doped And Un-Doped Polysilicon for MEMS Device Application** Dr Jaibir Sharma *Agency for Science, Technology, and Research*
OR-02-0139	**Capturing and Releasing Arrayed Pollens Using MEMS Nozzle with Rounded Corners** Dr Qingyang Liu *Toyota Institute of Technology*
OR-02-0154	**3D Laser Printing of Glass Structures Using Cage-like Silsesquioxanes** Mr Liyuan Chen *Yokohama National University*
OR-02-0186	**Design of Mask Layouts for High-Density Arrays of Trunscated Pyramids with Perfectly Convex Corners** Mr Yutaro Inatomi *Ritsumeikan University*

Poster Session – Group A	
24th June 2024 (Monday) @ L2 Atrium	
Physical Sensors and Micro/Nano Systems	
OR-03-0004	**Three-Dimentional Shape Optimized Micro Force Plate Fabricated with a 3D Printer** Mr Yukitake Nakahara *Keio University*
OR-03-0027	**A Compact Refractive Index Fiber Sensor Based on Vernier Effect inside Fiber Ring Laser** Ms Yuhui Liu *The Hong Kong Polytechnic University*
OR-03-0031	**Low-Cost Pico-Tesla Search-Coil Magnetometer using Six-layer Printed Circuit Board Technology** Dr Hadi Tavakkoli *The Hong Kong University of Science and Technology*
OR-03-0048	**Variable Spring Constant Force Sensor Utilizing Magnet Restoring Force** Mr Soya Sato *Keio University*
OR-03-0106	**Achieving 1.2 fm/Hz1/2 Displacement Sensitivity with Laser Interferometry in Two-Dimensional Nanomechanical Resonators** Ms Jiaqi Wu *University of Electronic Science and technology*
OR-03-0114	**Array-Based MWCNT-PDMS Nanocomposite Sensors for Precise Laryngoscopic Pressure Monitoring** Mr Yu-Qi Wu *National Sun Yat-sen University*
Chemical Sensors and Micro/Nano Systems	
OR-04-0036	**Fabrication and Application of Au/Ag Nanoparticle LSPR Gas Sensors Using Flexible Substrates** Mr Gyeong Heo *Kyushu University*
Bio/Biomedical Sensors and Micro/Nano Systems	
OR-05-0072	**Fabrication of Implantable Multi-Ion Image Sensor for Selective Measurement of Mg2+ in the Brain** Mr Yuto Nakamura *Toyohashi University of Technology*
Micro/Nano Fluidics	
OR-07-0093	**On-Chip Analytical Method for Investigating Protrusive Forces in Growing Plant Roots** Mr Jing Li *Kobe University*
RF MEMS/NEMS	
OR-10-0165	**Low Loss SAW Waveguide Based on 128 Â° Y-Cut Lithium Niobate** Mr Wenzhen Li *Shanghaitech University*
Optical MEMS and Nano-Photonics	
OR-11-0151	**Unveiling Efficient Acousto-Optic Modulation in Silicon Photonics via Heterogeneously Integrated Lithium Niobate** Mr Siyu Xu *National University of Singapore*
Novel Applications of Micro/Nano Systems	
OR-16-0060	**MEMS Onsite Measurement Applied to Wind Turbines** Prof Lung-Jieh Yang *Tamkang University*