

Poster Session – Group A	
24 th 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 <i>Southern University of Science and Technology</i>
OR-01-0044	A Hydrogel Filter for Airborne Virus Collection and Enrichment Mr Kehao Zeng <i>The University of Hong Kong</i>
OR-01-0067	A Novel Calorimetric Flow Sensor Based on High TCF A1 Mode Resonators Mr Xuankai Xu <i>ShanghaiTech University</i>
OR-01-0071	Effect of Adhesive Bonding on the Piezoelectric Stick-Slip Actuator Performance Ms Dipika Berry <i>Nanyang Technological University</i>
OR-01-0110	The Plasma Simulation in Two-Dimensional and Axisymmetric Geometry Based on PIC/MCC Method Mr Jiyang Liu <i>Southeast University</i>
OR-01-0144	A Simulation of Capacitive Micromachined Ultrasonic Transducer Used for Ultrasound Imaging Mr Haoliang Jia <i>Chongqing University</i>
OR-01-0152	Comparative Analysis of Material Effects on Triangular Patch Antenna Performance with DGS Dr Jayshree Das <i>B. V. Raju Institute of Technology</i>
OR-01-0167	Enhanced the Output Performance on Piezoelectric Vibration Energy Harvesters via U-shaped Dynamic Magnifier Mr Zhenfeng Ji <i>Chongqing University</i>
OR-01-0172	Double-sided Tapered HS-AFM Nanocantilever for Biomedical Applications Ms Eying Sim Wong <i>University of New South Wales</i>
Material, Fabrication, and Packaging Technologies	
OR-02-0083	Effect of Synthesis Temperature on Synthesis of Gold Nanoparticles by Microfluidic Device Mr Zhiyuan Fan <i>Kanto Gakuin University</i>
OR-02-0090	Influence of Ar/C₂H₂ Gas Flow Ratio on CNT Growth Using Thermal CVD Method Prof Sang-Seok Lee <i>Tottori University</i>
OR-02-0091	Influence of Sn Doping Concentration on the Mechanical Properties of α-Ga₂O₃ Film Prof Sang-Seok Lee <i>Tottori University</i>
OR-02-0096	Stress Tuning in Doped And Un-Doped Polysilicon for MEMS Device Application Dr Jaibir Sharma <i>Agency for Science, Technology, and Research</i>
OR-02-0139	Capturing and Releasing Arrayed Pollens Using MEMS Nozzle with Rounded Corners Dr Qingyang Liu <i>Toyota Institute of Technology</i>
OR-02-0154	3D Laser Printing of Glass Structures Using Cage-like Silsesquioxanes Mr Liyuan Chen <i>Yokohama National University</i>
OR-02-0186	Design of Mask Layouts for High-Density Arrays of Truncated Pyramids with Perfectly Convex Corners Mr Yutaro Inatomi <i>Ritsumeikan University</i>

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Physical Sensors and Micro/Nano Systems	
OR-03-0004	Three-Dimensional Shape Optimized Micro Force Plate Fabricated with a 3D Printer Mr Yukitake Nakahara <i>Keio University</i>
OR-03-0027	A Compact Refractive Index Fiber Sensor Based on Vernier Effect inside Fiber Ring Laser Ms Yuhui Liu <i>The Hong Kong Polytechnic University</i>
OR-03-0031	Low-Cost Pico-Tesla Search-Coil Magnetometer using Six-layer Printed Circuit Board Technology Dr Hadi Tavakkoli <i>The Hong Kong University of Science and Technology</i>
OR-03-0048	Variable Spring Constant Force Sensor Utilizing Magnet Restoring Force Mr Soya Sato <i>Keio University</i>
OR-03-0106	Achieving 1.2 fm/Hz^{1/2} Displacement Sensitivity with Laser Interferometry in Two-Dimensional Nanomechanical Resonators Ms Jiaqi Wu <i>University of Electronic Science and Technology</i>
OR-03-0114	Array-Based MWCNT-PDMS Nanocomposite Sensors for Precise Laryngoscopic Pressure Monitoring Mr Yu-Qi Wu <i>National Sun Yat-sen University</i>
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 <i>Kyushu University</i>
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 <i>Toyohashi University of Technology</i>
Micro/Nano Fluidics	
OR-07-0093	On-Chip Analytical Method for Investigating Protrusive Forces in Growing Plant Roots Mr Jing Li <i>Kobe University</i>
Microelectromechanical Systems (MEMS) and Nanoelectromechanical Systems (NEMS)	
OR-09-0122	Flexible Calorimetric Acoustic Particle Velocity Sensor Mr Hong Ye (Prof Yonggang Jiang) <i>Beihang University</i>
RF MEMS/NEMS	
OR-10-0165	Low Loss SAW Waveguide Based on 128° Y-Cut Lithium Niobate Mr Wenzhen Li <i>ShanghaiTech University</i>
Optical MEMS and Nano-Photonics	
OR-11-0151	Unveiling Efficient Acousto-Optic Modulation in Silicon Photonics via Heterogeneously Integrated Lithium Niobate Mr Siyu Xu <i>National University of Singapore</i>
Novel Applications of Micro/Nano Systems	

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OR-16-0060	MEMS Onsite Measurement Applied to Wind Turbines Prof Lung-Jieh Yang <i>Tamkang University</i>