

## ISMNM 2025 Best Paper Award

Poster Number	Paper Title	Authors
PP-03	Fabrication and Optimization of Slanted Diffraction Gratings Using Machine Learning and UV Imprinting Technology for AR/VR Applications	Tasadduq Hussian*, Muzahir Ali, Seong-Min Lee, Seok-min Kim (Chung-Ang University, Korea)
PP-09	Conformal Contactable Tessellated Skin Patches with Switchable Adhesion for Wearable Electronics	Hwi So Ahn*, Hee Jin Lee, Dong Kwan Kang, Sang-Woo Lee, Jinseo Kim, Hoon Eui Jeong (UNIST)
PP-15	Elastomeric Photomask-Enabled Near-Field Photolithography for Sub-Diffraction Patterning on Non-Planar Substrates	Jaehyeok Seo*, Wooyoung Shim(Yonsei University)
PP-16	Enhancing Linearity in Flexible Capacitive Pressure Sensors via Hierarchical Buckling of Dual-Pore Polyurethane Structures	Jae Yeong Jang*, Jaemin Choi, Young Jung (Pukyong National University)
PP-22	Micro-scale 3D structural vitreous carbon manufacturing and PEMFC flow field development using 3D printing technology	Seongmin Lee*, Muzahir Ali, Seok-min Kim (Chung-Ang University, Korea)
PP-28	Prediction and process control of plastic deformation in continuous metal surface micropatterning based on the Johnson-Cook model	Minwook Kim* (Seoul National University of Science and Technology), Dae Bo Sim (Soongsil University), Yong Tae Kim (Seoul National University of Science and Technology), Bo Hyun Kim (Soongsil University), Jong G. Ok (Seoul National University of Science and Technology)
WP-02	Advanced Metamaterial Design for Extreme Vibration Attenuation	Jun Sung Sun, Hyeon Sik Won, Gi Jung Lee, Dong Su Lee (Kangwon National University), Joo Hwan Oh (Seoul National University), Chung Il Park (Kangwon National University)
WP-04	A PFAS-Less Dual-Binder Architecture for Sustainable and High-Performance Dry Battery Electrodes	Subin Park, Yunjae Jang, Inho Nam (Chung-Ang University)
WP-06	High-Performance Si Anodes Using Recycled Hot-Packs for Li-Ion Batteries	Han-Na Um, Da-Eun Kim, Ga-Eun Lee, Cheol-Min Park (Kumoh National Institute of Technology)
WP-09	Household-microwave Synthesis of Ir-Ni Bimetallic Electrocatalysts for the Oxygen Evolution Reaction in Alkaline Electrolyte	Yohan Na, Hanbin Yang, Jaemoo Lee, Yoonwon Kang, Jiyeon Lee, Jaekeun Lee, Yeeun Kim (Hannam University), Bok Ki Min (Laserngrapn), Seong K. Kim (Hannam University)