

Student Oral Presentation Competition Finalist List (20250903)

Abstract No.	Symposium	Presentation Title	Presenting Author	Affiliation/Country
0009	A	Silicon/recycled carbon composites derived from CO ₂ capture as anode material for lithium-ion batteries	Kishore Babu Sompalli	Chung Yuan Christian University, Taiwan
0172	A	Enhancing Vanadium Redox Flow Battery Performance with Molybdenum-Doped Nickel Cobalt Oxide Modified Graphite Felt Electrodes	Zih-Jhong Huang	National Taiwan University of Science and Technology, Taiwan
0381	A	Hydrothermally Synthesized Spinel CoCr ₂ O ₄ for Photodegradation of Organic Dyes	Chen YuHao	Institute of Science Tokyo, Japan
0228	B	Tunable Nanostructured Stainless-Steel Coatings for High-Performance Oil/Water Separation Membranes	Fanhua Kong	National Taiwan University of Science and Technology, Taiwan
0176	B	Understanding the Sensing Mechanism of a ZnMoO ₄ integrated on GO Nanocomposite Towards electrochemical detection of Nitrofurantoin in environmental and biological matrices	Amulya Garadi	National Taipei University of Technology, Taiwan
0268	C	Super hydrophobic ZnO/PVDF-HFP Nanofiber film for Triboelectric Nanogenerator Applications	Jun Jie Zhang	Ming Chi University of Technology, Taiwan
0355	C	Diamond synthesis from a solid carbon source by chemical transport using narrow gap microwave plasma	Rurii Higuchi	Osaka University, Japan
0068	D	Impact Fatigue and Mechanical Properties of TiSiN Multilayer Coatings under Different Bias Voltages with Compositional Design	Tsung-Yuan Li	National Formosa University, Taiwan
0273	D	Integration of a blue energy harvesting module with seawater electrolysis for sustainable hydrogen production	Chieh-Jui Li	National Taipei University of Technology, Taiwan
0366	D	Influence of Second Phases on MAO Coating Behavior and Corrosion Resistance of ZE51/ZE53 Mg Alloys: Strategies for Discharge Uniformity	Po Han Wu	National Taiwan University, Taiwan
0185	E	A Portable Sensor for the Simultaneous Detection of Catechol and Vanillin in Food and Water Samples Using Ag ₂ Se@f-CB Composite.	k Naveenkumar	National Taipei University of Technology, Taiwan
0258	E	Electrodeposition of Cu/Polyaniline Composite Electrode for Non-Enzymatic Electrochemical Glucose Sensors	Runze Huang	Institute of Science Tokyo, Japan
0047	F	Impact of Al, Ti and Nb Composition on the Thermal Stability and Oxidation Resistance of AlTiNbSiCrN High-Entropy Nitride Coatings	Manh Nguyen Duc	National Formosa University, Taiwan
0386	F	Evaluation of Mechanical and Electrocatalytic Properties of AlCoCrFeNiTiN High Entropy Alloy Thin Films	Gao Zheng Dai	Ming Chi University of Technology, Taiwan
0123	G	Nanoscale electrochemistry of WSe ₂ -coated NbS ₂ metal – semiconductor heterostructures	Septia Kholimatussadiah	National Taiwan University, Taiwan
0291	G	Investigation of Surface Reconstruction Mechanisms Across Semiconductors, Metals, and Metal Oxides: a review	Cheng Hsi Yeh	National Tsing Hua University, Taiwan

*A total of 55 submissions met the competition eligibility requirements, and 16 were selected for the final round.