

	NISE 2026 List of Poster Presentations		
	Poster size and layout: A0 (841 mm x 1189 mm or 33.1 inch x 46.8 inch) in Portrait		
	First Name	Last Name	Abstract Title
P01	Sungho	Lee	Preparation of MgO-CaO-P2O5 glasses for biomedical applications via liquid phase method
P02	Glen	McHale	Droplet Pinning on Slippery Biphilic Surfaces
P03	Adya	Karthikeyan	Rechargeable and compostable slippery liquid infused porous surfaces
P04	Seamus	Lilley	Determining the Ingression and Breakthrough Pressure of Micromeshes
P05	Jinhyung	Kim	Nature-Inspired Vibration-Induced Separation of Pinned Droplets for Capture of Surface-Buried Particulates
P06	Aleksandra	Nastic	Rapid Synthesis of Nano- and Micro-Porous Copper Surfaces Driven by Selective Dealloying of Micrometer-Sized Cu-Al Powder
P07	Rakesh	Choubey	Eco-friendly hydrophobic slippery coatings for enhanced protection against marine corrosion and biofouling
P08	Carina	Bittner	From Natural to Synthetic Melanosomes: Shape-Directed Self-Assembly in Avian Photonic Crystals
P09	Ray	Ju	Design and Fabrication of Hierarchical 3D Printed Catalytic Structures
P10	Kiran	Mungroo	3D Printing Polyurethane Elastomer Pillars for Bio-Inspired Microgrippers
P11	Xin	Tang	Stepwise Dewetting in Micro-Architectures for Voxellated Additive Manufacturing
P12	Alfonso	Mosquera	Nature's Roughness: Smart Wetting with Diatomaceous Earth
P13	Wei	Jinfei	Durable Superhydrophobic/Superamphiphobicity Coatings for Prevention of Rain Attenuation of 5G/Weather Radomes and Anti-icing of High-voltage Transmission Tower
P14	Bucheng	Li	Liquid Impalement Resistance and Mechanically Robust Superhydrophobic Coatings with Anti-icing Performance
P15	Wu	Matthew	A Sintering Model of Snow Adhesion
P16	Minho	Lee	Biocompatibility Study of ECM-Mimicking Eggshell Membrane-Containing GelMA Cryogel for Microstructure Control
P17	Tyler	Olson	Mode-dependent adhesion characterization of ice-shedding surfaces
P18	Teresa	Busch	Auxetic Structures Fabricated via Femtosecond Laser Micromachining
P19	Zoe	Meyer	Durable, broad-spectrum anti-biofouling polyurethane-based coatings
P20	Seo-Young	Kim	ECM-Mimetic Hybrid Coating Based on Bioactive Ceramics and Natural Polymers for Osteoinductive Molecule Delivery
P21	Belén	PEPIÓ-TÁRREGA	Mussel-Inspired Catecholamine Surfaces for ROS-Mediated Antimicrobial Activity Against Planktonic Bacteria and Biofilms
P22	Itasaka	Hiroki	Correlative Chemical and Nanomechanical Characterization of Resin-Dentin Hybrid Interfaces Using Confocal Raman Microscopy and Viscoelastic AFM
P23	Hyuneui	Lim	Future Research Directions for Multifunctional Nature Inspired Surfaces: Opportunities and Challenges
P24	Matthew	Wu	Procedurally Evaluating the Snow Shedding Behavior of Coated Surfaces
P25	Min-suk	Oh	Enhancing PEM Fuel Cell Performance via APCVD-Engineered Superhydrophobic Aluminum Bipolar