Poster Label	Title	Presenter	Affiliation
U1	Printability of Particle-Laden Inks	Carlos Zubeldia	SNL
U2	Sodium Ion Transport Behavior in Ta, Mg, Zn-Doped NaSICON	Cameron Martin	SNL
U3	Impact of Tantalum Oxide Layers on Two-Color Pyrometer Readings	Trace McKissack	UTEP
U4	Time-Dependent Effects of Hydrogenation and Dehydrogenation on the Mechanical Behavior of Ti-6Al-4V	Cesar Valle	UTEP
U5	Photoelectric Work Function Measurements of Potassium Doped HOPG	Richard Shulyak	NMTech
U6	Investigating (1-x)BiFeO3-xBaTiO3 as a Pb-free Ferroelectric Ceramic	Holden Chavez	SNL
U7	Proposed Investigation of Neutron or Gamma Radiation on the Mechanical Properties and Structure of GaN Semiconductors	Roberto Ruiz	UTEP
U8	Integration of an Acoustic Levitator into a SAXS/WAXS Instrument for Containerless X-Ray Scattering	Angel Guzman Barraza	UTEP
U9	Design of Reusable Copper 101 Molds for Arc Casting	Samuel Tenorio	UTEP (DML)
U10	Tailoring Silver Electroplated Films to Promote Uniform Lithium Cycling and Inhibit Dendrite Formation in Lithium Metal Batteries	Joshua Boyer	SNL
U11	Synthesis and Characterization of High Entropy, Low Thermal Expansion Oxides	Katherine Garcia	SNL
U12	Design and Thermal Analysis of a Heated Mold for Improved Infiltration of 316L Stainless Steel–A356 Aluminum Composites	Juliet Zeller	UTEP
U13	Keystone Semantic Catalog: A Layer for Materials Data Discovery	Abigail Lei	SNL
U14	Process Development of Low Temperature ALD of Bismuth Oxide using Novel Precursor	Eric Maldonado	SNL
U15	Next-Generation Paper-Based Uric Acid Sensor Enabled by Nickel– Indium Sulfide Nanostructures	Justin Platero	Navajo Tech
U16	Rapid Electrochemical Biomarker Detection Using Laser-induced Graphene Sensors	Karen Dan	Navajo Tech
U17	Real-Time Spatial Mapping of Heavy Metal Contamination Using a 3DPrinted Electrochemical Sensor Boat	Wayant Billey	Navajo Tech
G1	Closed-Loop Robotic Electrodeposition for AI-Accelerated Materials Processing	Spencer Newman	SNL
G2	Tannic Acid Loaded MgO and ZnO Doped Antibacterial Hydroxyapatite for Orthopedic and Dental Applications	Claire Putelli	NMTech
G3	Furan Maleimide Diels-Alder Chemistry Towards Self-Healing and Recyclable Products	Nusrat Yeasmin	NMTech
G4	Iron Sulfoselenide Catalysts for Bifunctional Oxygen Electrocatalysis in An-Air Batteries	Jaren Pillars	SNL
G5	Wet Coating Nanosilica to Achieve High Limestone Content in Cement based Materials	Michael O'Donnell	UW-Madison
G6	Morphology-Aware Modeling of Photothermal Heating in TiN/Epoxy Nanocomposites	Leslie Ashie	NMTech
G7	Performance of Deep Eutectic Solvents as Electrolytes in Lithium ion Batteries	Martin Quintana	UTEP
G8	Copper-Alumina Composite Coatings Via Kinetic Spray	Thomas Hands	NMTech
G9	Strength and Failure Modes of Ceramic and Composite Dielectric Films Made by Dry Aerosol Deposition	Nigel Horak	NMTech
G10	Data-Driven Methods for Predicting Electrochemical Migration in Electronic Components	Janice Yeung	SNL
G11	Determination of the Dielectric Permittivity of DAD Dense Lunar Dust Using IDE Architecture	Utsha Das	NMTech
G12	Parameters Required to Encourage Phase Changes and Self Pulverization in the Extraction of Alumina from Coal Clinkers	Janin Essary	NMTech
G13	Stoichiometric Differences in Phase Stability of Ion Irradiated Yttrium Hydride and its Relation to Microreactor Applications	Ryan Pena	UNM
G14	Design of an achromatic Phase Fresnel Lens for 3D printing via 2 photon polymerization	Daniel Smith	NMSU
G15	High-Rate Compression Characterization of Polyurethane Foams Using Split Hopkinson Pressure Bar Methods	Rachel Strohecker	SNL
PD1	Tailoring the structure of amorphous grain boundary complexions in nanocrystalline copper alloys for enhanced plasticity	Esther Hessong	SNL,JHU
PD2	Preparation of Additive Manufactured Steel Surfaces for Nickel Electrodeposition	Alyssa DeLucia	SNL
PD3	Correlating Chemistry and Microstructure in Advanced Materials via AFM-IR (NanoIR)	Nathan Bays	SNL
PD4	CO_2 Binding on K_2O: Effects of Cluster Size and Surface Facets	Bharat Poudel	SNL
PD5	Formation of fluorinated passivation layers on aluminum current collectors for corrosion protection in battery electrolytes	Maria Kelly	SNL