Tuesday, November 10 - Rising Stars Posters				
Submission Code	**Poster Number**	**Submission Name**	**First Name**	**Last Name**
196518	RS1	H-Bonded Organic Frameworks as Ultrasound-Programmable Delivery Platform	Huiliang	Wang
197255	RS2	Generative Scientific Machine Learning for Solving Inverse Problems in Computational Physics	Romit	Maulik
197264	RS3	Career: Quantum-Inspired Dynamic Control in Composite Metastructures With Long-Range Coupling	Jihong	Ma
197294	RS4	Integrated Spectrum of Bioinspired and Biohybrid Jellyfish Robots for Ocean Stewardship	Nicole	Xu
197297	RS5	From Predictive Models to Decisions: Uncertainty Quantification for Multiphysics Systems	Danial	Faghihi
197432	RS6	Enabling Single-Step Additive Manufacturing of Ceramics via Laser-Triggered Flash Sintering and Scientific Artificial Intelligence-Based Multiscal	Lin	Cheng
197628	RS7	Computational Insights Into Interfacial Chemistries in Nonaqueous Batteries	Mahbub	Islam
197827	RS8	Aerial Stereovision Metrology for Three-Dimensional Structural Dynamics and Infrastructure Monitoring	Alessandro	Sabato
197898	RS9	Advanced Manufacturing of Intelligent Structures	Sampada	Bodkhe
197907	RS10	Sea Spray Dynamics Under Waves Following and Opposing Wind Conditions	Kianoosh	Yousefi
197916	RS11	Process-Induced Interfacial Crack Formation in Multi-Metal Additive Manufacturing	Zhengtao	Gan
197922	RS12	A Non-Invasive System for Detecting Biomechanical Stress-Induced Retinal Dysfunction in Glaucoma	Qianbin	Wang
198043	RS13	Bayesian Symmetry-Respecting Machine Learning Framework for Predicting Electronic Structures	Susanta	Ghosh
198070	RS14	Multi-Agent Reinforcement Learning for Markov Games	Mushuang	Liu
198127	RS15	Integration and Tailoring of Thermal Energy Sources to Enable Defect-Free High Deposition Rate Metal Additive Manufacturing	Farid	Ahmed
198128	RS16	Modeling and Control of Li-Ion Batteries With Composite Electrodes via Distributed Parameter Systems	Dong	Zhang
198138	RS17	Leveraging Computational Tools to Design and Optimize Energy Materials for Sustainable Applications	Kulbir	Ghuman
198184	RS18	Understanding and Controlling Nonreciprocal Thermal Radiation Exchange Between Surfaces	Bo	Zhao
198195	RS19	Programmable Multifunctional Metamaterials	Abdolhamid	Akbarzadeh
198315	RS20	Career: Defect-Facilitated Engineering of Phonon/ion Transport in Ionic-Conducting Superlattices	Xiang	Chen
198353	RS21	Low-Frequency Acoustic Damping Metamaterials Based on Trapped Bubbles	Yang	Lin
198434	RS22	Seeing Battery Chemistry and Interfaces in Real Time: Operando Optical and Plasmonic Spectroscopy for Sulfur and Sodium Batteries	Ankun	Yang
198634	RS23	Discrete Network Models for Multi-Scale Structure-Property Prediction in Entangled Polymer Networks	Robert	Wagner
198921	RS24	Sensing the Silent Epidemic: Advancing Sports Head Impact Monitoring Through Novel Wearables and Diverse Data	Lyndia	Wu
199040	RS25	Harnessing Environmental Complexity in Bio-Inspired Locomotion	Daniel	Floryan
199071	RS26	Resilient Engineering Systems Design via Early-Stage Bio-Inspiration	Astrid	Layton
199093	RS27	Career: Modeling Trust Dynamics and System Adaptation for Human-Ai Collaboration in Engineering Design	Ting	Liao
199112	RS28	Career: Synergistic Urban Environmental Modeling: From Microclimate Dynamics to Community Resilience.	Navid	Goudarzi
199118	RS29	Career: Supporting Professional Formation of Robotics Engineers Through a Human-Centered Design Approach	Holly	Golecki
199120	RS30	A Combined Velocimetry and Thermometry Approach for 3d Flow Characterization in Thin-Film Evaporation	Yaofa	Li
199126	RS31	Enhancing Situated Cognition in Product Design and Manufacturing Education Through Visual Experiential Learning	Rui	Liu
199208	RS32	Residual Stress Development in Additive-Subtractive Manufacturing	Xiaoliang	Jin
199221	RS33	3d One-Step Heterogeneous Manufacturing for Integrated Circuits (3d Ohmic)	SeungYeon	Kang