Tuesday, November 18 - Rising Stars Posters				
Submission Code	**Poster Number**	**Submission Name**	**First Name**	**Last Name**
171384	RS1	Active Deployment Control of Ultra-Thin Composite Space Structures	Andrew	Lee
172154	RS2	Mechano-Diffusion of Particles in Stretchable Hydrogels	Shaoting	Lin
172155	RS3	Interactive Autonomy: Learning and Control for Multi-Agent Interactions	Negar	Mehr
172156	RS4	Data-Enabled Neural Multi-Step Predictive Control (Demuspc): A Learning-Based Predictive and Adaptive Control Approach for Complex Nonlin	Marzia	Cescon
172159	RS5	Career: Manufacturing of Solid Particle-Liquid Metal Mixtures for Soft Robotics and Stretchable Electronics	Eric J.	Markvicka
172164	RS6	Axially Bi-Continuous Graphene-Copper Composites With Ultrahigh Electrical Conductivity	Wonmo	Kang
172167	RS7	Magnetically Integrated Electric Drive With Rare-Earth-Free Motors	Woongkul	Lee
172168	RS8	Closing the Loop Between Learning and Communication for Assistive Robot Arms	Dylan	Losey
172171	RS9	Choose Your Path: Identifying Undergraduate Academic Decision Points for Persistence, Attrition, Transition, or Hiatus (Path)	Anastasia	Rynearson
172175	RS10	Multi-Scale Mechanical Behavior of Quantum Dot Nanocomposites: Towards Data-Driven Automatic Discovery of High-Performance Structures	Ozgur	Keles
172191	RS11	Diffusiophoretic Transport of Biological Colloids Driven by Salt Gradients	Sangwoo	Shin
172235	RS12	Data-Driven Multiscale Modeling of Complex Traffic Systems Utilizing Networked Driving Simulators	Subhradeep	Roy
172336	RS13	Spatially Resolved Modulation of Neuronal Activities With a Photoelectrode	Jinghua	Li
172394	RS14	Geometry-Infused Reduced-Order ModelingTowards Control Co-Design of Complex Dynamical Systems	Daning	Huang
172418	RS15	A Task-Invariant Customization Framework for Lower-Limb Exoskeletons to Assist Volitional Human Motion	Ge	Lv
172421	RS16	Unraveling Oxygen Electrode Delamination Mechanisms in Reversible Solid Oxide Cells for Robust Hydrogen Production	Xinfang	Jin
172487	RS17	Three-Dimensional Flow Mechanics and Their Relationship to Fin Stiffness Patterns in Caudal-Fin-Based Propulsion	Cecilia	Huertas Cerdeira
172582	RS18	Controlling Coagulation	Amor	Menezes
172649	RS19	Acoustic Vortex End-Effector Robots for Contactless Object Manipulation	Zhenhua	Tian
172714	RS20	Vibration-Assisted High-Resolution Electrohydrodynamic (Ehd) Jet Printing	Yiwei	Han
172725	RS21	High-Fidelity Numerical Experiments of Pulsating Turbulent Flows	Wen	Wu
172731	RS22	A Coupled Multiscale Study of Phase Change Dynamics at Curved Liquid-Vapor Interfaces	Kishan	Bellur
172829	RS23	Scalable Multimaterial Printing of Bioinspired Heterogeneous Materials	Xiangjia	Li
172838	RS24	Selective Cooling Crystallization for 3d Printing of Bioinspired Heterostructured Hybrid Materials	YANG	YANG
172845	RS25	Problem Partitioning and Division of Labor for Human-Computer Collaboration in Engineering Design	Alparslan Emrah	Bayrak
172852	RS26	Long-Range Signal Detection in Cluttered Environments With Dynamic Non-Convex Signal Fields	Zahra	Nili Ahmadabadi
172871	RS27	Smart Artificial Microswimmers Reveal Emergent Behavior in Finite Clusters	Ebru	Demir
172963	RS28	Career: Advancing in Vivo Knowledge and Assessment of Cartilage Material Properties With Quantitative Mri	Niccolo	Fiorentino
173027	RS29	Embodied Structural Computing for Real-Time Stiffness Adaptation	Maria	Sakovsky
173189	RS30	Hemodynamic Mechanisms of Heart-Aorta-Brain Coupling	Niema	Pahlevan
173205	RS31	Collective Hydrodynamics of Robotic Fish	Dr. Hassan	Masoud
173230	RS32	Sequential Bayesian Learning on Multi-Scale Probabilistic Knowledge Graph for Biomanufacturing Mechanisms Federated Learning	Wei	Xie
173352	RS33	A Game-Theoretic Approach for Building Cluster Demand Response	Jie	Cai
173422	RS34	Studying Mechano-Immunology on Earth and in Space	Meenal	Datta
173715	RS35	Toward Efficient Multiscale Reduced Order Modeling and Design of Particulate Composite Materials	Xiang	Zhang
173777	RS36	Fundamental Investigations of Laser-Induced Forward Transfer (Lift) Printing	Ben	Xu
173791	RS37	Reduced Order Modeling for Nonlinear Stability Analysis in Aeroelastic Systems	Amin	Ghadami