

## GSA Poster Competition: Session 2

Tuesday, April 16, 1-3pm, Skeen Library

<b><u>Registration Number</u></b>	<b><u>Author(s):</u></b>	<b><u>Project Title:</u></b>
SRS2024-004	Harriet Naakai Tetteh	Blast-Induced Ground Vibration: Considerations for Structural Design for Mitigation in Mining Catchment Areas
SRS2024-005	Ahmed Aboelezz	CFD Simulations and Experimental Studies to Tackle Black Lung Disease in Mining
SRS2024-017	Andre Ortiz	Characterizing Endogenous Gene Flow in Hybrid Coffea Arabica
SRS2024-021	Nathan Conner	In-situ Spectroelectrochemistry of Conducting Polymer Electrosynthesis in Pure Boron Trifluoride Diethyl Etherate
SRS2024-022	Md Shahriar Hasan	Enhancing Aqueous Organic Redox Flow Batteries: Degradation & Mechanism Study
SRS2024-056	Leonor Merino Osornio	Space Debris Removal: Regulatory and Ethical Challenges of a Theoretical Space Mission
SRS2024-059	Narges Bagheri	Autonomous Drone-Robot Implementation For Mine Evacuation and Rescue
SRS2024-083	Ryan Himes	Using UAV Technology to Sample Aerosols Emitted from Wildfire Plumes

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SRS2024-090	Jessica Cooke	Density Reconstruction Inside the Shock Formed on a Supersonic Conical Projectile
SRS2024-095	Nathaniel Jobe	Culture-dependent and -independent Analysis of Ancient Viromes from Deep Groundwater Accessed via Moab Khotsong Mine, South Africa
SRS2024-096	Sharmin Sultana	Exploring Machine Learning Models for Genetic Data Classification
SRS2024-105	Fahad Mannan, Jorge Quiroga, Logan Moore	Self-Sustainable and Autonomous Vertiport System for Drones
SRS2024-109	Michael Millard	A Simple Approach for CH Equation Using GPU Architecture
SRS2024-113	Raisa Islam	Privacy Risk Assessment for Smart Grid using Evidential Reasoning and DS Theorem
SRS2024-131	Kayleigh Cameron	Combustion Testing and Analysis of an Energetic Initiator Ink
SRS2024-155	Lukman Alabede	Optimum Altitude of Quadrotor in Underground Mining Autonomous Navigation