

2025 Student Research Symposium



Poster Presentation 1

Wednesday, April 23, 10am-12pm, OSL Area, Skeen Library

SRS Number:	Project Title:	Presenter(s):
SRS2025-004	Highly Flexible Mechano-Luminescence-Optoelectronic Strip for Sensing an In-Plane Strain	Joseph Gallegos and Adrian Miramontes
SRS2025-011	Biometric Collection via Sensor Integration to Assist EMT Decisions	Alyssa Daniel-Peterson, Jacob Nikolai, Harrison Chase, Steven Williams, and Nikolas Paumier
SRS2025-025	From Preservation to Animation: Engineering Lizard Locomotion For Applications in Bio-inspired Wildlife Surveillance	Joel Pilli, Arianna Petitto, Lucia Coca, Sarah Stanley, and Juliana Rehmeier
SRS2025-035	Analysis and Optimization of Low-Cost Diquat Herbicide for Large Scale Batteries	Victor Schiller
SRS2025-046	Reusing Polyethylene Terephthalate (PET) Waste for Antibacterial Packaging Purposes	Gwenevere Gatto
SRS2025-047	What is the Environment within the Boundaries of Cloud Systems?	Vidhi Shethia and Zeb Apachito
SRS2025-049	Real-Time Digital Twin Technology for Environmental Monitoring and Risk Prediction in Mines	Zohrab Musayev
SRS2025-054	Virtual and Augmented Reality Control Interfaces For Robotic Applications	Logan Moore

SRS Number:	Project Title:	Presenter(s):
SRS2025-056	Democratic Data Diligently Determined: Helldivers 2, a Case Study on Live-Service Games and Developer Communications	Ryan Zander
SRS2025-058	Modeling Human Contamination Spread for Space Exploration	Dorothy Lindula
SRS2025-064	Development of Algorithms On Single Chip, Multicore Computers For Fixed-wing Drone Swarms	Joel Opoku and Samuel Maimako
SRS2025-072	A Stacking Ensemble Learning Model for Anomaly Detection in Water SCADA Systems	Patrick Duane, Christopher Montoya, and Trevor Smith
SRS2025-075	Design of the WIKEE Multi-Instrument Camera System	Susanna Lanucara, Abigail Bencomo, Brodin Jepson-LaTurner, and Nathan Lueras,
SRS2025-076	A Comparison of M2-SCREAM and OMPS in Search of Stratosphere-Troposphere Exchange Indicators	Rio Sessions
SRS2025-082	Camera Lens Distortion Correction for Quantitative Schlieren	Cole Lill
SRS2025-083	Investigation of Various Backgrounds for Background Oriented Schlieren Leak Detection	Devin Knotts
SRS2025-085	Investigation of the Yields and Cross Sections of Bremsstrahlung-Induced Nuclear Reactions on Natural Bromine Targets	Jack Nation
SRS2025-103	Investigation of Fluid-Filled Cellular Core Materials: Mechanical Properties and Numerical Modeling for Adaptive Composite Structures	Nicholas Hutt
SRS2025-104	Microbial Community Diversity assessed via 16s amplicon sequencing of New Mexico Hot Springs.	Aaron Parra-Erivez and Ben Flicker
SRS2025-118	Contactless Biometric Scanner	Alexander Rea, Alexander Heusser, and Tenzin Lungtok

SRS Number:	Project Title:	Presenter(s):
SRS2025-120	Path Optimization for Mine Safety	Nikolas Crosato
SRS2025-122	A Biogeochemical Survey of Arid Soils Impacted by Depleted Uranium Munitions	Alivia Abernathy, Ashley Bradshaw, Riley Burns, Bishop Cervantes, Evita Chee, Aydan Harper, Nathaniel Jobe, Katie Johnson, Harrison Kaspar, Halie Locke, Rubin Sheldon, Charles Tetrault, Sonya Torres, Bianca Wanamaker, and Benjamin Duval