

2025 Student Research Symposium



Poster Presentation 2

Thursday, April 24, 10am-12pm, OSL Area, Skeen Library

SRS Number:	Project Title:	Presenter(s):
SRS2025-007	NASA's H2O Radiometer for Planetary Exploration	Tyler Runyon, Elijah Sisneros, Zayden Brieno, and Luke Sotelo
SRS2025-030	Seaphages	Violet Kirk, Meghan Ferrara, Luke Garcia, Isabella McClish, and Rebecca Merchant
SRS2025-033	Design and Development of Biometric Sensors for Observing Sleep Activity	Nicolas Ali, Jorge Quiroga, Delsin Jaramillo, and Luis Arce
SRS2025-039	Use of Glass Powder in Concrete for Sustainability Efforts	DonDiego Rains and Rachel Phillips
SRS2025-044	Solid Waste Delivery System to a Hydrogen Reactor	NgOc Bui
SRS2025-050	Improving Simulations of Jupiter's Great Red Spot using Variable Vertical Zonal Winds	Scarlet Mayes
SRS2025-059	The Relationship Between Religious Texts and Consumerism	Sofia Moores
SRS2025-060	Optimization of Powder Properties and Processing of Hydroxyapatite Powder for Dry Aerosol Deposition for Biomedical Applications	Claire Putelli and Thomas Hands
SRS2025-065	Design, Optimization, and Development of an Arctic Tern-Inspired Tilt-Rotor VTOL UAV (Vertical Takeoff and Landing Unmanned Aerial Vehicle)	Samuel Maimako and Joel Opoku

SRS Number:	Project Title:	Presenter(s):
SRS2025-067	FPGAs and the Basics of Digital Logic	Benjamin Marson
SRS2025-071	Magnetic Field Loop Antenna for the Measurement of Lightning Magnetic Fields	Susanna Lanucara
SRS2025-094	Design and Experimentation of a Publicly Available Asteroid Detection Program	Lily Rich, Rubén Hernández O'Kelly, Kaitlyn Leffler, and Zach Goodrich
SRS2025-095	Thermal Performance of Lithium-ion Batteries via Ansys Numerical Modeling	Matthew Tyrrell
SRS2025-101	ARACHNOID: Developing a Tarantula-Inspired Biomimetic Robot for Discreet Wildlife Observation in Natural Environments	Audrey Wilkening
SRS2025-102	AI Ethics and Biases	Amin Weinman
SRS2025-106	Autonomous Setup for the Observation of Clouds, Humidity, and Temperature	Menolly Benedict
SRS2025-107	The Direct Axial Flux High-Resolution Motor (DAFR)	Christopher Reiter
SRS2025-108	Generation of Gallium 68 using Kinematic Recoil	Ryan Zander
SRS2025-113	Securing the Future of Bosque del Apache: Addressing Water Scarcity and Quality for Wildlife and Agricultural Resilience	Antonio Chavez
SRS2025-114	Using dECM to Make Polyacrylamide Surfaces Cell-Friendly	Sophia Rosa

SRS Number:	Project Title:	Presenter(s):
SRS2025-115	Predicting Joint Low Flow Events Across the Conterminous United States: An Approach Based on Stochastic Simulation and Machine Learning Prediction	Aayushman Subedi
SRS2025-124	The Potential Retinoid Therapy of Tazarotene for Fibrodysplasia Ossificans Progressiva (FOP)	Kalpana Naranjo