

10th Annual Undergraduate Research Symposium
Science Speaker Series
5 October 2018, 1:30-3:50 PM
Jim and Linda Lee Planetarium

- 1:30PM Rachael Bradshaw and Nick Bartholet (Brian Davis and Wallace Morris, mentors)
Eagle Aero Sport: Student-Built Aircraft
- 1:40PM Nicole Martinez and Jesse Scoular (Cindy Greenman, mentor)
The Cost of Fraud to the American Taxpayer
- 1:50PM Brittany Biltz, Noura Ibrahim, and Brennan Moore (Andri Gretarsson and Ellie Gretarsson, mentors)
Research in Optics for Gravitational Wave Detection
- 2:00PM TJ Lilyblade, Jacqueline Worley, and Garrison Bybee (Douglas Isenberg, mentor)
Project Janus
- 2:10PM Nicholas Tran (Thomas Drape, mentor)
Study Abroad for Transformational Learning Opportunities to Build Cultural Intelligence
- 2:20PM Pedro Jesus Quiñonez and Emily Grimes (Michele Zanolin, mentor)
Modeling and Detectability of Gravitational Wave Waveform Memory from Core Collapse Supernovae
- 2:30PM Forrest Mobley (Shigeo Hayashibara, mentor)
Developing High Performance Grid Computing Systems on a Budget
- 2:40PM Jordan Stephens (Dawn Groh, mentor)
Fly this Sim! Basic Aircrew Training Device (BATD) Impact on Student Progression and Retention
- 2:50PM John Norton (Darrel Smith, mentor)
Design of a Thrust Stand for Low Power Electric Propulsion
- 3:00PM Jiyoung Hwang and Phillip Nielsen (Shigeo Hayashibara, mentor)
Design of a Heavy Lift RC Aircraft - Society of Automotive Engineers (SAE) Aero Design® West Competition Team
- 3:10PM Colter Richardson and Jonathan Westhouse (Michele Zanolin, mentor and Cecilia Lunardini, ASU; Kei Kotake, Fukuoka, Japan)
Expected and Achievable Accuracy in Estimating Parameters of Standing Accretion Shock Instability (SASI) Fluctuations from Neutrinos and Gravitational Wave Oscillations
- 3:20PM Courtney Turner-Rathbone (Hilary Eaton, Catherine Benson, and Matthew Valente, mentors)
The future of biodiversity assessment: Using environmental DNA and next-generation sequencing to characterize biological communities in the Central Highlands of Arizona
- 3:40PM Julia Mihaylov and Renee Spear (Kaela Martin, mentor and Damon Landau, JPL, California Institute of Technology mentor)
Julia Language Ephemeris and Physical Constants Reader for Solar System Bodies