SPRING 2018 AWARDS

College of Science and Mathematics

Melissa Rose, “Effect of Growth Medium pH on Cell Surface Hydrophobicity of Candida albicans”
Mentor: Dr. James Masuoka

Bethany Russell, “Mechanisms of Reversion to Erythromycin-Susceptibility by Erythromycin-Resistant Bacteria”
Mentor: Dr. James Masuoka

Carson Barnard, “Identification of Antibiotic Activity from Fungal Symbionts of Native Texas Plants”
Mentor: Dr. James Masuoka

Paytan Stubbs, “Antibacterial and Antifungal Activity Produced by Symbiotic Bacteria from Grass-feeding Termites”
Mentor: Dr. James Masuoka

Alaska Carrillo-Bell “Bacterial Endophytes in Seeds with Varying Melatonin Content: Verification and Exploring Possible Roles for Bacterial Endophytes in Seeds”
Mentor: Drs. Magaly Rincon-Zachary and James Masuoka

Natalie Ragland and Anahi Palacios, “Antibiotic Resistance due to Gene Mutation in Drug Target”
Mentor: Dr. Jon Scales

Calvert Aaron and Denzel Kinyua, “Running and Braking of a Hydraulic Motor with varying loads”
Mentors: Drs. Jan Brink and Yu Guo

Constance Anih and Melanie Ronoh “Data Collection and Analysis from a Wind Turbine and Photovoltaic Solar Panel”
Mentor: Dr. Salim Azzouz
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Jedeshkeran Chandrasegaran, “An Attempt to Understand the Thermodynamics of Cancer Cells”
Mentor: Dr. Preet Sharma

Crege La Ronde and Shanley Paul, “Dynamic Filtration Test to Investigate the Effect of Preformed Gels on Unswept, Low-Permeable Zones/Areas”
Mentor: Dr. Mahmoud Elsharafi

Chiedza Tokonya, “Energy from Salt Water”
Mentors: Drs. Mahmoud Elsharafi and Jeong Tae Ok

Rumelia Thomas and Kelton Vidal, “Dynamic Contact Angle Measurements”
Mentor: Dr. Mahmoud Elsharafi

Rojitha Goonesekere and Don Wijesinghe, “UAV-based Remote terrain Search & Rescue missions with Payload delivery using object-based image analysis”
Mentor: Dr. Yu Guo

Ali Khalid and Anthony Enem, “Parallel DNA Sequencing with BOOSTMPI and Efficient Memory Cache”
Mentor: Dr. Eduardo Colmenares-Diaz

Zeltzin Reyes and Abigail Reyes, “Experimental Study of the Nonlinear Dynamics in a 2 Degree of Freedom Duffing Oscillatory Circuit”
Mentor: Dr. Yu Guo

Mpathi Nzima and Joshua Washington, “Robot Soccer using Artificial Intelligence”
Mentor: Drs. Yu Guo and Bingyang Wei

Dillard College of Business Administration

Dareem Antoine, “Real Options meets Game Theory: An Evaluation of Graduate School Timing Decisions”
Mentors: Drs. Agim Kukeli and Marcos Lopez (COSM-Math)

Hanna Gebel and Luka Gebel, “An Assessment of the Effect of Remittances on Income, Education and Health Inequality”
Mentor: Dr. Pablo Garcia-Fuentes
Shayne Matambanadzo, “Innovative Ways to Encourage Personal Saving for College Students”  
Mentor: Dr. Qian Li

Yenifher Valenzuela, “Linking Executive Compensation to Firm Performance”  
Mentor: Dr. Paul San Miguel

Kaushik Shah, “Forecasting Regional Output Level: Case of Wichita Falls, Texas”  
Mentor: Dr. Agim Kukeli

Fain College of Fine Arts

Taylor Morrison and Jenna Horn, “Visual Rhythm: Creating a Unique Live Media and Musical Experience”  
Mentor: Dr. Jonathon Quam

Gunn College of Health Sciences and Human Services

Camille Khan, “Detection of Child Abusing in Medical Imaging”  
Mentor: Dr. Robert Comello

Yujin Yoshimura, “Application of Artificial Intelligence in criminal court”  
Mentors: Drs. Attapol Kuanliang and Bingyang Wei (COSM-CS)

Prothro-Yeager College of Humanities and Social Sciences

Mentor: Dr. Linda Veazey

Kerdell Cuffy, “A People without the Knowledge of Their Past History, Origin and Culture is Like a Tree without Roots”  
Mentor: Dr. Whitney Snow

Garrison Horton, “Decadence across Cultures: England, France, Russia, and Central Europe”  
Mentor: Dr. Kirsten Lodge

Lane Riggs, “Annotated Translation of Zamyatin’s We with Scholarly Apparatus”  
Mentor: Dr. Kirsten Lodge
West College of Education

Brianna Manning, “Identifying Impactful Practices in Learning Communities”
Mentor: Dr. Kym Acuña

Frida Arredondo and Montserrat Garay, “From Margin to Center: Multicultural Picture books for Math, Science, and Social Studies”
Mentors: Dr. Dittika Gupta and Kelly Medellin

Sheri Speegle, “Rapping Up Math Fluency: A Multi-Sensory Approach to Improving Math Fact Fluency”
Mentor: Dr. Emily Rutherford