



Undergraduate Research Conference at Missouri S&T

Apr 15th, 2015 - 5:00 PM

11th Annual Undergraduate Research Conference Winners

Missouri University of Science and Technology

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Awards are given in 5 poster categories and 4 oral categories. 1st place \$750.00, 2nd place \$500.00, 3rd place \$250.00

Arts & Humanities Poster Category:

- 1st: Rebekah Harrah, Reading Comprehension Strategies in Chemistry 1
- 2nd: Rachel Miller, Marcel Ayme's Wartime Journalism
- 3rd: Kelly Dunlap, Translating Knowledge: Bess, Migraines, and More From Diderot and d'Alembert's Encyclopedie

Engineering Poster Category:

- 1st: Mason Donnell, Endotoxin Purification Using Cationic Nanoparticles
- 2nd: Thomas Roth, Implementation of Robust Data Reduction Techniques to Rapid Millimeter Wave Imaging
- 3rd: Justin Hoyt, Multi-Coil Magneto – Inductive Communications for Wireless Sensor Networks

Research Proposal Poster Category:

- 1st: Tyler Sundell, Confining the Data of the Decaturville Structure
- 2nd: Therese Galbraith and Yahya Abu Hijleh, Micro Piezoelectric Windmill
- 3rd: Harriet Lumula, Antibiotic Resistant Bacteria

Sciences Poster Category:

- 1st: Seth Kitchen, On the Existence of Perfect Cuboids
- 2nd: Alan Landers, Sustainable Harvesting of Solar Energy via Photoelectrochemical Water Splitting
- 3rd: Isaac DiGennaro, Simple Method to Measure Ion Association in Strong Electrolyte Solutions

Social Sciences Poster Category:

- 1st: Conner Spague, Evaluation of Gamification Techniques in Social Media Environments
- 2nd: Emily Puleo, A Microcontroller – Facilitated Complex Span Task for Examining the Effects of Background Music on Working Memory Capacity
- 3rd: Lindsey Carlson, User Interfaces in a Collaborative Online Shopping Context

Arts & Humanities Oral Category:

1st: Emily Weigel, Marcel Ayme's Wartime Journalism

2nd: Nelson Shreve, Causation: Hume's Concern and Kant's Response

3rd: NO 3rd PLACE WINNER

Engineering Oral Category:

1st: Patrick Brennan, Composite Aminosilica/Polymer Hollow Fiber Sorbents for Co2 Capture from Flue Gass

2nd: Cody Spratt and Tong Mou, Dynamic Simulation of Entangled Polymers Undergoing Deformation

3rd: Elizabeth Robinson and Shannon Withrow, Testing of Active Compressions – Decompression Cardiopulmonary Resuscitation

Science Oral Category:

1st: Ashley Demster, Epitaxial Methylammonium Lead Iodine Perovskites for Inexpensive and Efficient Solar harvesting

2nd: Caleb Holtmeyer, Electrodeposition of Mercury Cadmium Telluride Nanorods

3rd: Reid Herdon, The Characterization of Soft Sediment Deformation in Hawkesbury Sandstone shale lenses South of Maroubra Beach

Social Science Oral Category:

1st: Kelly Payton, The Trouble with Lying: An Empirical Study of the Interaction Between Agreeableness, Lie Type, and Counterproductive Workplace Behaviors

2nd: Arielle Bodine, Putt for Show, drive for Off-Course Dough?

3rd: Joseph Louis Volpe, The Impact of Mid-season Super-Star Trades on NBA Attendance