



Undergraduate Research Conference at Missouri S&T

Apr 13th, 2005

1st Annual Undergraduate Research Conference Winners

Missouri University of Science and Technology

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**UMR Undergraduate Research Conference
Awards Ceremony, April 13, 2005**

Oral Session Awards

Engineering Oral Session:

3rd Place- Trevor Acorn, Civil, Arch. & Env. Engineering- *Minimum splice length for fiber reinforced polymer for (FRP) reinforcement in concrete application*

2nd Place- Rachel Dilly, Geological Sciences & Eng. – *High Pressure Water Jet Contaminant Remediation of Intertidal Sediment Via Distributed Granular Activated Carbon*

1st Place- Peter Cross- Mechanical & Aerospace Engineering- *Design & Development of an Unmanned Aerial Vehicle with Vertical Takeoff and Landing Capabilities*

Humanities/Social Sciences Oral Session:

3rd Place- Norman Horn- English & Tech. Communication- *Linguistic Theories of Humor*

2nd Place- Jennifer Rene Raum- Psychology- *The Effects of Exposure to Stereotypically “Media” Female on Body Image Satisfaction*

1st Place- Robert Haselwander- English & Technical Communication- *The Real John*

Natural Sciences Oral Session:

3rd Place- Igor Izyumin- Mathematics & Statistics- *The Extension Monads of a Vector Space*

2nd Place- Ryan Kinney- *Modeling Cascading Failures in the North American Power Grid*

1st Place- Ryan Parish- Mathematics & Statistics- *New Technology Does Old Tricks*

Management & Information Systems Oral Session:

3rd Place- John Warmbrot- Information Science & Technology- *Development of a Tool to Facilitate Observational Analysis of Collaborative Virtual Environments*

2nd Place- Jeremy Rowe- Information Science & Technology- *Development and Evaluation of Web-Accessibility Tutorials*

1st Place- Grant Mabie- Psychology- *Development and Validation of On-Board Customer Service Attitude Surveys for Bus and Rail Passengers*

Poster Session Awards

Engineering Poster Session:

3rd Place- Vanessa Eckhoff, Geological Engineering- *Development of a Spring Flow Rating Curve for Ha Ha Tona Spring*

2nd Place- Leia Ponder- Mining & Nuclear Eng.- *A Novel Method for Removing Radionuclides and Toxic Metals from Nuclear Waste*

1st Place- Tessa Russell- Basic Engineering- *The Properties of Bridgestone Ecopia Solar Car Tires*

Humanities/Social Sciences Poster Session:

3rd Place- Gina Mongillo-Psychology- *The Positive Effects of Exposure to Sports Media*

2nd Place- Rex Tennyson & Rob Luhrsen- Psychology- *Educational interventions to promote safe water drinking practices in Lemoa, Guatemala*

1st Place- Amy Bone, Rebecca Rose, Aimee Jenkins, Konya Hutsell & Jullian Pearson- History & Political Science- *Wichita Weekly*

Natural Sciences Poster Session:

3rd Place- Beau Ahrens- Biological Sciences- *Porous Borate-Based Glass Scaffolds for Bone Tissue Engineering*

2nd Place- Kyle Anderson & Kylee Hyzer- Chemistry- *Acrylic Emulsions Derived from Soybean Oil*

1st Place- David Heeszal- Geology & Geophysics- *The Extent and Distribution of Individual Proterozoic Orogenic Belts in Southern Africa from New Gravity and Magnetic Datasets*

Management & Information Systems Poster Session:

3rd Place- Bonnie Yates- Information Science & Technology- *Digital Cities: An Overview*

2nd Place- Arturo Guterrez- Economics & Finance- *Analysis of Microfinance in Mexico and a Proposal for a similar system in the Peruvian Highlands*

1st Place- Melissa White- Psychology- *Development of Validation of On-Board Customer Attitude Surveys*