

# 5<sup>th</sup> Annual Undergraduate Research Conference Awards Ceremony, April 8, 2009

Congratulations to the following award winners!

## Oral Session Awards

### Engineering Oral Session:

**3<sup>rd</sup> Place – Yezad Anklesaria and Steven McDonald**, Design of the Docking System for the University Satellite Project, Research Advisor- Hank Pernicka, Mechanical & Aerospace Engineering

**2<sup>nd</sup> Place - Brandi Clark**, Determination of Mercury in Baby Formula Purchased from U.S. Supermarkets, Research Advisor- Jianmin Wang, Civil, Architectural & Environmental Engineering

**1<sup>st</sup> Place - Justin Aholt**, Influence of Laminar Separation Bubbles on the Aerodynamic Characteristics of Elliptical Airfoils at Low Reynolds Numbers, Research Advisor-Fathi Finaish, Mechanical & Aerospace Engineering

### Sciences Oral Session:

**3<sup>rd</sup> Place – Katherine Stockstill**, Cytokinesis Defects in Budding Yeast, Research Advisor- Katie Shannon, Biological Sciences

**2<sup>nd</sup> Place – Navarre Bartz**, Electrodeposition of a Novel Cathode Material for Lithium-ion Batteries, Research Advisor- Jay Switzer, Chemistry

**1<sup>st</sup> Place – Beth Groenke**, In Vitro Development of Dental Abrasions, Faculty Advisor- Doug Carroll, Interdisciplinary Engineering

### Social Sciences Oral Session:

**1<sup>st</sup> Place – Lindsey Coale**, Confirmatory factor analysis on the Perceived Parental Neglect Scale (PPNS), Research Advisor- Julie Patock, Psychology

### **Arts and Humanities Oral Session:**

**2<sup>nd</sup> Place – Adam Smith**, Depiction of Aeneas in the Underworld During the Renaissance and Reformation, Research Advisor- Michael Bruening, History & Political Science

**1<sup>st</sup> Place – Amanda Kamps**, Relationships? I've Had A Few: A Brief Look at Benjamin Siegel's Reputation in Las Vegas, Research Advisor- Larry Gragg, History & Political Science

### **Poster Session Awards**

#### **Engineering Poster Session:**

**3<sup>rd</sup> Place – Brandon Doherty**, Dynamic Load Acquisition for Ground Vehicle Handling Analysis, Research Advisor- Hank Pernicka, Mechanical & Aerospace Engineering

**2<sup>nd</sup> Place – Jonathan McKinney**, Developing Methods to Measure Concentration Profiles in Solid Materials Using Solid Phase Micro Extraction (SPME), Research Advisor- Glenn Morrison, Civil, Architectural & Environmental Engineering

**1<sup>st</sup> Place – Christopher White**, Plasma Properties & Diagnostics, Research Advisor- Joshua Rovey, Mechanical & Aerospace Engineering

#### **Sciences Poster Session:**

**3<sup>rd</sup> Place - Casey Growcock and Barbara Wheelden**, Nitric Oxide Increases Calcium Oscillations in Response to Muscarinic Receptor Stimulation, Research Advisor- Robert Aronstam, Biological Sciences

**2<sup>nd</sup> Place - Jason Mast and Adam Farquhar**, Infinite-randomness critical point in the two-dimensional disordered contact process, Research Advisor-Thomas Vojta, Physics

**1<sup>st</sup> Place – Cassandra Browne**, Sandbox Experiments as Analogues for Continental Rifts: Investigation of the Impact of Rock Strength in Extensional Stress Regimes. Research Advisor- John Hogan, Geological Sciences & Engineering

### **Social Sciences Poster Session:**

**3<sup>rd</sup> Place - Charissa Mathis, Jasmine Glaese and Janet Guntly**, Computer Science Recruitment for the 21st Century, Research Advisor- Daniel Tauritz, Computer Science

**2<sup>nd</sup> Place – Lindsay Roufa**, Importance Scores are Important When Examining Customer Satisfaction, Research Advisor- James Martin, Psychology

**1<sup>st</sup> Place – Melissa Callan**, Parental Monitoring and Its Links with Alcohol Use and Alcohol-Related Problems, Research Advisor- Julie Patock, P

### **Research Proposal Poster Session:**

**2<sup>nd</sup> Place – Kelly Walsh**, Use of Carvacrol and Thymol as Anti-Bacterials and Anti-Parasitics, Research Advisor- Harvest Collier, Chemistry

**1<sup>st</sup> Place – Angela Hundt**, The Dark Side of Leadership Personality, Research Advisor, Research Advisor- James Martin, Psychology

### **2009-10 OURE Fellows / Award Recipients:**

**3 projects- 7 students**

- **Andrew Adams, Ben Brannon, Cory Brennan and Anna Osborne** – Photo-Dynamic Window System for Optimized Heat Control - Dr. Katie Grantham Lough/Interdisciplinary Engineering, Research Advisor
- **Andrew Heckman** – Dynamic Response Plasma Actuator Control System - Dr. Joshua Rovey/Mechanical & Aerospace Engineering, Research Advisor
- **John Krumme and Thomas McKinnon** – Handheld Pharmaceutical Drug Atlas for US Physicians, Dr. Joe Stanley/Electrical and Computer Engineering, Research Advisor