Undergraduate Research Opportunities Program

Undergraduate Research Spring Symposium
April 4, 2007

Oral and Poster Presentation Awardees

Oral Session – Outstanding Oral Presentations

College of Architecture
Amy Plauche, Architecture
Library East Commons Research
Mentor: Dr. Sabir Khan, COA

College of Computing
David Mann and David Rutter, COC
Random Projection and Learning
Mentors: Dr. Rosa Arriaga and Dr. Santosh Vempala, COC

College of Engineering
Chanchala Kaddi, BME
Review and Comparison of Systems Biology Modeling Approaches for Translational Research
Mentor: Dr. Dongmei Wang, BME

Ivan Allen College
Lindsey Chatel, STAC
The History of Pain
Mentor: Cindy Klestinec, LCC

College of Sciences
John Widloski, Physics
Mixing by Steady Flows in Thermocapillary Driven Microdroplets
Mentor: Dr. Roman Grigoriev and Dr. Dmitri Vainchtein, Physics

Poster Session – Outstanding Posters

College of Architecture
Lisa Thompson, Architecture
Carnegie Libraries: The Birth of the Public Library
Mentor: Dr. Elizabeth Dowling, COA
College of Computing
   Trevor Bentley, CS
   *Haptic Laser Pointer*
   Mentors: Dr. Gregory Abowd and Mr. Schetak Patel, COC

**College of Engineering**
1st place
Masayuki Yano, AE
*Numerical Simulation of Annular Helicon Plasma*
Mentor: Dr. Mitchell Walker, AE

2nd place
Alex Gavrilovski, AE
*Experimental Analysis of Wave Propagation in Hexagonal and Chiral Cellular Structures*
Mentors: Dr. Massimo Ruzzene and Mr. Allessandro Spadoni, AE

3rd place
Martha Lesniewski, MSE
*Thermo-Mechanical Behavior of Epoxy Shape Memory Polymer Foams*
Mentor: Dr. Ken Gall, MSE

Ivan Allen College
Jenifer Vandagriff, STAC
*Italian Futurism Cinema: Technological and Cultural Impacts*
Mentor: Dr. Angella Dalle Vacche, LCC

College of Sciences
Brian Nakamura, Math
*Alexandrov’s Conjecture*
Mentor: Dr. Mohammad Ghomi, Math