

URCAS 2009 Program Corrections

1. Neema Patel's presentation has been moved from the *Rhodes - St. Jude Summer Plus oral session* to the *Measuring, Modeling, & Data Mining oral session*. The new order and times for these sessions are (changes in boldface):

Rhodes - St. Jude Summer Plus Program

Frazier Jelke B, 1:00 pm – 1:30 pm

Session Chair – Laura Luque de Johnson, Department of Biology

- **1:00-1:15** Elucidating Drug Mechanisms Using Real-Time Cell Electronic Sensing (RT-CES)
James Davis
Faculty Sponsor: Loretta Jackson-Hayes, Department of Chemistry
Qingxin Mu, Bing Yan, St. Jude Children's Research Hospital
- **1:15-1:30** Obesity Among Childhood Hodgkin Lymphoma Survivors
Amanda Hoeffken
Faculty Sponsor: Chris Seaton, Department of Mathematics & Computer Science
Monika Metzger, St. Jude Children's Research Hospital

Measuring, Modeling, and Data Mining

Frazier Jelke A, 1:30 pm – 3:15 pm

Session Chair – Patrick Vernon, Department of Mathematics & Computer Science

- **1:30-1:45** Automatic Abstraction of Plant Seed Diameters through Images
Neema Patel
Faculty Sponsor: Betsy Williams, Department of Mathematics & Computer Science
Jonathan Fitz Gerald, Department of Biology
- **1:45-2:00** Ultrasonic measurements of fluid viscosity
Jenna Smith, Stephanie Milazzo
Faculty Sponsor: Brent Hoffmeister, Department of Physics
- **2:00-2:15** Functional group based design of novel cholesterol moderating drugs using Ab Initio and DFT methods
Hunter Utkov
Faculty Sponsor: Mauricio Cafiero, Department of Chemistry
- **2:15-2:30** Relative stability of complexes of six-membered carbon-rings with variable numbers of double bonds: DFT and ab initio results
Michelle Shroyer
Faculty Sponsor: Mauricio Cafiero, Department of Chemistry
- **2:30-2:45** Electrical Orbit Stability
Bradford Taylor
Faculty Sponsor: Shubho Banerjee, Department of Physics
- **2:45-3:00** Combinatorial Game Theory
Whitney Duval
Faculty Sponsor: Eric Gottlieb, Department of Mathematics & Computer Science
- **3:00-3:15** Data Mining the NEILS Database
Albernie Ferguson
Faculty Sponsor: Rachel Dunwell, Department of Mathematics & Computer Science and Janet Panter, Department of Psychology

2. The following posters should be added to the list for *Poster Session II* under the **Biology II Laboratory** section

#44 Aggressive Behavior in Male Crawfish Increases with Food Source Present

Will Hawes, Brianna Hoge, Morgan Slevin

Faculty Sponsor: Terry Hill, Department of Biology

#50 The Effect of Acid on Photosynthesis and Cellular Respiration of Aquatic Plants

Farrell Diliberto, Macie Lunyong, Allen Reed, Diana Wong

Faculty Sponsor: Terry Hill, Department of Biology

#57 The Gross Production Differences and Dominance Concerning Pistia and Elodea

Ginny Brady, Kara Holifield, Jasmin Mayen

Faculty Sponsor: Terry Hill, Department of Biology

#58 Prior Habitation of Female Crayfish in a Localized Water Source Reduces Agonistic Behavior Between two Male Crayfish Introduced Into the Environment

Dan Eastlack, Anna Kolobova, Keshav Kukreja, Chris Moore

Faculty Sponsor: David Kesler, Department of Biology

#59 Stomatal Densities in Holly Trees in Varying Levels of Urbanity around Memphis

Amber Coble, Jake Groves, Auriel Person, Ben Speidel

Faculty Sponsor: David Kesler, Department of Biology

#60 The Effects of Temperature on Male Crayfish Activity

Lindsey Bierle, Claire Gellrich, Punam Patel, Chris Rose

Faculty Sponsor: David Kesler, Department of Biology

#61 The Effect of Prior Trauma on Agonistic Behaviors in Crayfish

Steven Johanson, Haley Johnson, Brianna Smith, David Siu

Faculty Sponsor: David Kesler, Department of Biology

#62 Effects of Red and Blue Light upon Stomatal Aperture of Pansies

Chris Bell, Barrett Huggins, Madeline Jeansonne, Evan Savage

Faculty Sponsor: David Kesler, Department of Biology

3. The **Memphis Music and Religion Archive** section of *Poster Session I* should contain poster #39 in addition to #40-42.