WEDNESDAY, APRIL 18, 2007, GLENN AUDITORIUM

**BREAKFAST AVAILABLE INSIDE GLENN AUDITORIUM AT 8:00**

**Paper Session: WEDNESDAY, GLENN AUDITORIUM  8:00 – 8:45**

7:55-8:00  Opening Remarks-Crystal McLain, 2007 SRC Student Chair

8:00-8:15  Matthew Wulfers and Jonathan Popp, Modeling Free Fall Using Visual Python

8:15-8:30  Leah Wilson and Hannah Conger, Children and Advertising: An Analysis of the Frequency of Food Advertising During Children’s Programming

8:30-8:45  Matthew Clark, Reflection and Transmission Holography Using Different Types of Lasers

**Paper Session: WEDNESDAY, GLENN AUDITORIUM  9:00 – 9:45**

9:00-9:15  Chasity Lynn Ratliff, Position Learning Without Reliable Reward Memories

9:15-9:30  Nathan Sprague and Dwight Johnson, Control of a Mobile Robot

9:30-9:45  Benjamin W. Stricklin and Adam G. Schwent, Body Mass Index and College Football Players

**CONCURRENT SESSION, PAPERS**

WEDNESDAY, GLENN AUDITORIUM  10:00 – 10:45

10:00-10:15  Nicole Schneider, Secrets they can’t hide – Homosexual ELL Students and Their Reality

10:15-10:30  Cassandra Sissom, ADHD/ODD effects on Sexual Relationships

10:30-10:45  Jeremy Lothian, Michael Atkinson, and Melissa Kahl, Genetic Algorithms

**CONCURRENT SESSION, POSTERS**

WEDNESDAY, ROOM 102 - DEMPSTER HALL  10:00 – 10:45

Ashley Moore and Clottee Woods, Smokers vs. Non-Smokers, the Effects on our Cardiovascular System


Eric Kohler, Lacey Marks, and James Robins, Two Methods of Producing 3-heptanol using a Grignard reaction

Andrea Krechel and Amy Johnson, The Usage of Southeast Missouri State Universities Campus Recreation Facilities

Twila Mason and Andrew Ralls, The Production of 5-Nonanone by a Grignard Reaction

Courtney Alexander and Molli Beard, Positional Variance in Aerobic and Anaerobic Capacities in Collegiate Female Soccer Players

**Paper Session: WEDNESDAY, GLENN AUDITORIUM  11:00 – 12:00**

11:00-11:15  Doris A. Dorlac, Personality Traits and Sexuality Among Female University Students

11:15-11:30  Cynthia Ulrich, Free Amino Acid Pools in Coprinus cinereus

**LUNCH AVAILABLE INSIDE GLENN AUDITORIUM AT 11:30**

**KEYNOTE DISCUSSION  GLENN AUDITORIUM  12:00 – 1:15**

12:00-12:05   Introduction of Panel Members— Kate Winzenburger, 2008 SRC Student Co-Chair

Dr. Mohammad Ali, Chemistry
Dr. Kevin Dickson, Management
Dr. Hamner Hill, Philosophy
Dr. Susan Swartwout, English

12:05-12:45 “What do students get out of doing research?”

**CONCURRENT SESSION, POSTERS**

**WEDNESDAY, ROOM 102-DEMPSTER HALL  1:30 – 2:15**

Joe Gholson, Audrey Henckell, and Emily Robinson, Synthesis of 3-methylhexan-3-ol by Utilizing the Grignard Reagent: Finding Ideal Amounts of Starting Materials and Determining Which Bromo-alkane and Ketone Combination Produces the Highest Yield

Amber Castens and Heather Land, The Influence of Romantic Perfectionism on Intimate Relationships
Amber Castens, A Parent's Guide to Understanding Attention Deficit Hyperactivity Disorder

**CONCURRENT SESSION, PAPERS**

**WEDNESDAY, GLENN AUDITORIUM  1:30 – 2:45**

1:30-1:45  
**Lindsay Zeiler**, The Prevalence and Awareness of Eating Disorders among Women Gymnasts and Distance Runners at Southeast Missouri State University

1:45-2:00  
**Jerrad Martin**, Designing and constructing a nuclear magnetic resonance device for detection of protons

2:00-2:15  
**Tracy Marie Rode**, Chemoselective Oxidative Cleavage of Alkenes to Either Carboxylic Acids Using Catalytic RuO4 Supported on Silica Gel in Organic Media

2:15-2:30  
**April Hemmila**, Age Determination Using Latent Fingerprints

2:30-2:45  
**Nathaniel Vade Golden and Matt Clark**, A Michelson Interferometer and Applications

**Paper Session:  WEDNESDAY, GLENN AUDITORIUM  3:00 – 3:30**

3:00-3:15  
**Mohammed Ali*, Holly Cook, Shannon Ballard, and Jonathan Burford**, Oxidation of Hydroquiones to Pyridinium Chlorochromate (PCC) on Silica Gel

3:15-3:30  
**Yuichiro Uzuyama**, A Simple and Efficient Method for Synthesis of Acetoxybromides from Olefins

**Poster Session:  Wednesday, ROOM 102-DEMPSTER HALL  3:30 – 4:30**

_Justin Barnes and Leslee Ricketts_, Comparing GPA’s of Working and Non-working SEMO Students

_Ryan Whipple and Rory Witmeyer_, The Body’s Physiological Response to Distraction and Non-Distraction Exercise

_Lance Alford, Kelly Kuehn, and Cecelia Sponsel_, Preparation of 4-Octanol by Reacting Pentanal with 1-Bromopropane and Butanal with 1-Bromobutane and the Optimization of a 4-Octanone Byproduct

Andy Croxford and Matt Knickman, Perceptions of Faculty and Staff Towards Greek Students at Southeast Missouri State University

Melissa Mack and Hsuan-yi Wu, Attempted Synthesis of 4-octanol in a Grignard Reaction Using Different Alkyl Halides and Aldehydes and Comparison of the Results

**THURSDAY, APRIL 19, 2007, GLENN AUDITORIUM**

**BREAKFAST AVAILABLE INSIDE GLENN AUDITORIUM AT 8:00**

**Paper Session:** THURSDAY, GLENN AUDITORIUM 8:00 – 9:15

8:00-8:15 Opening Remarks-Chasity Ratliff, 2008 SRC Student Co-Chair
8:30-8:45 Robert Cawthorn, Heat Transfer through a Metal Rod
8:45-9:00 Janessa Burford, Investigating a Computer Interfaced X-Ray Spectrometer as a Tool for Diffraction Studies of Various Crystals

**Paper Session:** THURSDAY, GLENN AUDITORIUM 9:30 – 10:15

9:30-9:45 Jonathan Hudak, The Instrumentalism of John Dewey
9:45-10:00 Christopher J. Hagerty and Matthew P. Fasnacht*, Trace Metal Concentrations in Cigarette Filters
10:00-10:15 Gail Sanchez, Gender differences in Color Lexicon

**Poster Session:** THURSDAY, ROOM 102-DEMPSTER HALL 10:15 – 10:45

Juliana Oliver and Janice McMullen, How Muscle Mass is affected by a High Protein – Low Fat Diets vs. High Carbohydrates –Low Fat Diets: In Men and Women between the Ages of Eighteen to Twenty Four

Nicholas Schwartz and Josh Hunter, Synthesis of an Alkene by Dehydrating a Tertiary Alcohol formed by a Grignard Reaction

Pablo Ruisoto, Gender Differences in Body Dissatisfaction and Dieting.
Paper Session: THURSDAY, GLENN AUDITORIUM  11:00 – 12:00

11:00-11:15  Dharshaka Dias and Pradeep Singh*, Approximating a Random Phenomenon (player's performance) by the Poisson Probability Distribution

11:15-11:30  Amanda Craft, Changes due to Equal Rights Amendment

11:30-11:45  Punam Patel, Noriko Inoguchi, and Crystal Tucker, Synthesis of Bromohydrin by DBH

11:45-12:00  Graeme Kerby and Joiceline Thesing, The Effects of a Four Week Speed Training Protocol on Female College Athletes

**LUNCH AVAILABLE INSIDE GLENN AUDITORIUM AT 12:00**

THURSDAY, GLENN AUDITORIUM  12:30 – 1:45

AWARD CEREMONY --- BEST PAPER/POSTER/ART

Roundtable Discussion: Drafting Public Policy on Global Issues. A discussion by students attending the Global Strategic Trends Seminar at the Center for Strategic and International Studies

Students who attended the Global Strategic Trends Seminar at the Center for Strategic and International Studies (CSIS) in Washington, D.C. will discuss the policy recommendations they developed during a simulation activity in which they served as Cabinet members in a newly-elected President's administration. The policy recommendations relate to Energy Issues, Human Rights, International Security, Population and Demographic Shifts, and Stewardship of Natural Resources and are designed to prepare the President to constructively engage the global community in each of these areas. Southeast students will be selected to attend the CSIS seminar scheduled for the spring 2008 semester. If you are interested in global issues and attending next spring’s CSIS Seminar, the CSIS panel discussion will be informative.

* AUTHORS WITH AN ASTERISK AFTER THEIR NAME ARE FACULTY.