

**4<sup>th</sup> Annual Elements of Mechanical Engineering Conference Agenda**  
**Marriot Lodge and Conference Center at Grand National**  
**October 22<sup>nd</sup> – 23<sup>rd</sup>, 2006**

**Sunday, October 22, 2006**

- 12:30 – 1:30            Registration
- 1:30 – 5:00            Faculty Research Reports  
*War Eagle Motorsports* (Dr. Peter Jones)  
*Overview of DARPA Grand Challenge* (Dr. David Bevly)  
*Overview of Mechanical Engineering Department* (Dr. David Dyer)  
*History of the AU Department of Mechanical Engineering* (Dr. Jeff Suhling)
- Alumni Feedback for Departmental Improvement
- Discussion of Future Plans
- 7:00                    Conference Dinner with Guest Speaker  
*AU's Role in the Development of Alternative Energy Sources* (Dwight Wiggins)

**Monday, October 23, 2006**

- 7:30 – 8:30            Breakfast and Registration
- 8:30-11:00            Parallel Workshops
- Session 1:  
*Applications of Nanotechnology* (Dr. Bart Prorok)
- Session 2: Research Endeavors in Materials Engineering  
*Airline Cabin Environment Research* (Dr. William Gale)  
*Auburn University Food Safety and Detection* (Dr. Bryan Chin)
- Session 3: Research Endeavors in Mechanical Engineering  
*Research in Acoustics, Noise and Vibration* (Dr. Malcolm Crocker)  
*Research in the Center for Advanced Vehicle Electronics* (Dr. Jeff Suhling)  
*Wireless Technology* (Dr. Pradeep Lall – grad students)
- 11:30 – 1:00            Lunch
- 1:00 – 4:30            Tour of On Campus Labs