



# Southeastern Section Newsletter

July 2007

Editor: Ken Brannan, The Citadel 843-953-5083 ken.brannan@citadel.edu

Summer Edition

## University of Memphis to Host 2008 Conference

The Herff College of Engineering at the University of Memphis will host the 2008 ASEE Southeastern Section Conference April 6-8.

The University is located in the heart of Memphis and easily accessible to downtown, the airport, local attractions, and shopping. Events will be held on campus in the Holiday Inn Hotel, a well appointed all-suite property and four-time national award winner, as well as the Fogelman Executive Conference Center. The hotel features a beautifully decorated atrium, restaurant, grill, lounge,

fitness center, and 14,000 square feet of meeting space. The Fogelman Executive Conference Center is a full-service meeting facility with three amphitheaters, 11 conference rooms, two dining rooms, and



51 newly renovated queen guest rooms.

The Herff College was established in 1964 at what was then Memphis State University through a gift from Mr. and Mrs. Herbert Herff.

The Herff College has grown in the ensuing years and currently offers undergraduate degrees in BioMedical, Civil, Computer, Electrical and Mechanical Engineering as well as degrees in Computer Engineering Technology,

Electronics Engineering Technology, and Manufacturing Engineering Technology.

The undergraduate programs in Civil, Electrical, Computer, and Mechanical

*(Continued on Page 4)*

### ASEE Vision Statement

*"ASEE will serve as the premier multidisciplinary society for individuals and organizations committed to advancing excellence in all aspects of engineering and engineering technology education."*

### In This Issue...

Host for 2008 Conference .....	1
President's Message .....	1
Call for Papers .....	2
Highlights of Conference at Louisville .....	3
Student Poster Winners .....	4
Awards .....	5
2007-2008 Officers.....	5

## President Wigal's Message

It was seven years ago that I was introduced to the ASEE SE Section as an attendee and presenter at the Section's annual conference at the Citadel. Our Campus Rep at the University of Tennessee at Chattanooga (UTC), Charles Knight, insisted that we new hires participate in the conference – I think we all did. If I remember accurately, Charles won the "Outstanding Campus Rep" Award that year.



*(Continued on page 3)*

**SE Section Web Address:**

<http://cee.citadel.edu/asee-se/>

# ASEE Southeastern Section Annual Conference

April 6-8, 2008

Herff College of Engineering  
University of Memphis  
Memphis, TN

## *Building Bridges: Making the Connections that Facilitate Engineering Education*

### Call for Papers and Presentation Abstracts

Authors are invited to submit full-length manuscripts for presentation at the conference and inclusion in the conference proceedings. Papers addressing the conference theme have first priority and may include topics such as:

- ABET Accreditation
- Distance Education
- Diversity Recruitment and Retention Programs
- Education Methods
- Engineering and Engineering Technology Curricula
- Fostering Undergraduate Research
- Freshman Engineering Programs
- Industrial Partnerships
- Innovative Classroom Practice
- Innovative Teaching Methods
- Interactive Engineering Education
- K-12 Initiatives
- Learning Communities
- Life-long Learning
- Outcomes Assessment
- Professional Development
- Retention Issues

Authors may address other topics of interest to the engineering education community as well. Guidelines for preparing the manuscripts are available at <http://cee.citadel.edu/asee-se/>. This is a peer reviewed conference. Papers will be accepted on the basis of peer review of the complete manuscript. All accepted papers will be included in the conference proceedings. Authors of accepted papers are expected to present their papers at the conference to facilitate the transfer of knowledge through discussion and debate. In addition to full manuscripts, a limited number of abstracts may be accepted for presentation. These abstracts will be published in the book of abstracts, but will neither be peer reviewed nor included in the reviewed proceedings.

We anticipate a session discussing student posters and student experiences in engineering education (design projects, research, etc.). Information on student posters will be available in the fall.

### **Tentative schedule for submission of papers and abstracts**

September 21, 2007 – Abstracts submitted for consideration  
October 5, 2007 – Authors notified regarding acceptance  
December 3, 2007 – Manuscript due from authors for review  
January 11, 2008 – Reviewed manuscripts returned to authors  
February 8, 2008 – Final manuscript and extended abstract due from authors

### **Electronically submit a 250-300 word abstract by September 21, 2007 to:**

Technical Program Chair  
Dr. Donald P. Visco  
[dvisco@tntech.edu](mailto:dvisco@tntech.edu)

### **For more information about the conference site, please contact:**

Dr. Paul J. Palazolo, P.E.  
Assistant Dean  
[ppalazol@memphis.edu](mailto:ppalazol@memphis.edu)

# Highlights of Conference at Louisville



Some 159 conference attendees (120 faculty, 7 administrators, 32 students) participated in the conference. In addition to outstanding technical presentations, there were 2 workshops (Fostering Student Engagement in Technical Courses Using Tablet PCs and DyKnow Software; High Performance Learning Environment (Hi-PeLE) ) and a tour of the University of Louisville campus.



The keynote address, "Engineering Education Scholarship: Continuing the Year of the Dialogue," was delivered by Jerry Jakubowski, President of Rose-Hulman Institute of Technology and ABET/EAC chair.



The welcome reception was held at the Jefferson Club of the PNC Plaza

*More highlights on Page 6*

## President's Message

*(Continued from page 1)*

It is that zeal for participation in an organization that Charles holds as highly important that got me involved and has kept me involved in ASEE over the last seven years. I truly enjoy the sharing of pedagogical approaches and curriculum focus that occurs at the annual Section conference. I especially appreciate meeting colleagues with similar interests who desire to improve how and what our students learn in and out of the classroom. Every year I come away from our Section conference with new contacts who have introduced me to innovative ways to improve my teaching and student learning – thank you Southeast Section!

I hope many of you attended the enjoyable and productive 2007 Section Meeting and Conference in Louisville hosted by the University of Louisville and the J. B. Speed College of Engineering. I want to thank all those who helped make the conference a success - especially Mike Day and J. P. Mohsen, the Conference Site Co-Chairs, and Keith Plemmons, the Conference Technical Program Chair. I also want to thank Shelton Houston for the leadership he provided to the Section over the last year and for this conference. His shoes will be hard to fill. Thank you also to the 2006-2007 officers and conference paper reviewers. Your hard work was evident in the success of the conference.

Now that the 2007 ASEE SE Conference has concluded, the Section is looking forward to a new year of activities including attending the National ASEE Conference in Hawaii in June and planning and attending our own Section Conference, hosted by the University of Memphis on April 6th – 8th, 2008. Many people will be involved in making the meeting and conference a grand success - especially Don Visco, the Technical Program Chair, and Paul Palazolo, the Site Chair. They will need all our help to make the conference a success.

We also need your help to define better ways the Section can

serve its membership. Thomas Dion, the Section's Campus Reps Coordinator, is conducting a survey of those who attended the Louisville Conference to poll the membership as to your involvement in present ASEE offerings and your suggestions for others ways the ASEE can support you. If you have not already completed the survey, please do so. If you have not yet received the survey, please contact me at [Cecelia-wigal@utc.edu](mailto:Cecelia-wigal@utc.edu) and I will forward it to you. The findings of this survey will be shared with the Section officers to help define future ASEE SE activities.

If you are looking to becoming more involved in the Section, please consider being an officer of one of the Section's Divisions or Units. These groups support the annual section conference through the review of papers. However, I welcome ideas to get them more involved in the Section. Maybe a Division would like to sponsor a workshop at the conference or a special topical session.

Please keep in mind the following dates for the Section: November 8th and 9th is the fall board meeting where the Division and Unit officers as well as the Executive Board come together to discuss Section needs, direction, and outcomes as well as the upcoming Section conference. And of course there is the April 2008 conference in Memphis – I do hope many of you will attend.

I look forward to working with the Section over the next year and hope that I can provide similar leadership that has directed the Section in the past. If you have ideas of what the Section may provide you, your University, or the Section at large, please bring them to my attention ([Cecelia-wigal@utc.edu](mailto:Cecelia-wigal@utc.edu)). We have the opportunity to take what we already do well and do even more.

Cecelia M. Wigal



# Student Poster Competition Winners

## 2007 ASEE-SE Conference

### First and Second Year Engineering and/or Engineering Technology Design Teams

First place – Marshall Stout, Thomas Woods, Josh Aslinger, John Ozbek, Devin Moore - University of Tennessee at Chattanooga

### Junior/Senior Engineering and/or Engineering Technology Design Teams

First place – Tim Adams, Trevor Garson - Embry-Riddle Aeronautical University

### Undergraduate Research Individual

First place – Hope Sedrick, Jennifer Bollig - Tennessee Technological University

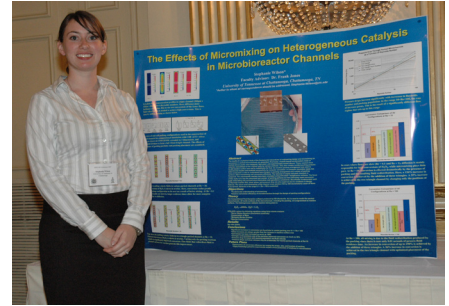
Second place – Robert Haynes - Georgia Institute of Technology

Third Place – James Klein - Tennessee Technological University

Third Place – Malik Davis - Tennessee Technological University

### Best Overall Research Presentation

Stephanie Wilson – University of Tennessee at Chattanooga



Award-winning student presentation

## University of Memphis to Host 2008 Conference

(Continued from Page 1)

Engineering are accredited by the Engineering Accreditation Commission of ABET, Inc. The undergraduate programs in Computer Engineering Technology, Electronics Engineering Technology, and Manufacturing Engineering Technology are accredited by the Technology Accreditation Commission of ABET, Inc. The undergraduate program in Biomedical Engineering is relatively new, and accreditation of this program will be sought after an appropriate number of students have graduated. The initial accreditation visit for the undergraduate Biomedical Engineering program is planned for the Fall 2009 when all other undergraduate programs will be visited by teams representing the ABET Commissions for purposes of re-accreditation. In addition to the undergraduate degrees, the college offers the MS and PhD degrees in each of the engineering disciplines and the MS degree in engineering technology.

The Herff College of Engineering is a small college of about 1,000 students within a large, metropolitan research university of more than



20,000 students. Some 60 faculty members with outstanding academic and professional credentials provide excellent classroom instruction for our students as well as opportunities to participate in research at the frontiers of modern day technology. Since Memphis is considered as the "Distribution Capital of the World" and is rapidly developing into an emerging biotechnology center, students have the chance to work with faculty on world-class research for global companies such as FedEx, for governmental organizations such as the U.S. Army Corps of

Engineers, and for other premier organizations, such as St. Jude Children's Research Hospital. These opportunities are available to undergraduates as well as graduate students.

The Memphis Chamber of Commerce probably gives the best overall description of Memphis: "Memphis spills up out of the rich black soil. Memphis lingers on the warm breeze with the sweet smoke of barbeque pits and the melancholy mojo of the best guitar you ever heard. There's just something real about Memphis. From the holy grails of music landmarks to the restaurants, from the basketball court to the acclaimed zoo, from the elegant hotels to the mystical nightclubs on legendary Beale Street, there's an irresistible soul that's drawn people here for more than a century." Memphis is a blend of the charm of the south with the drive and energy of a major metropolitan center.

Memphis offers a number of attractions for the visitor, some of which are located within walking distance of the conference site. Also, public transportation is available from the conference site to most of the other attractions. The attractions include the Art Museum of the University of Memphis, Beale Street Historic District, Center for Southern Folklore, Graceland, Elmwood Cemetery, Memphis Botanical Gardens, Memphis Brooks Museum of Art, Memphis Pink Palace Museum, Memphis Zoo, Pink Palace Museum, Peabody Hotel (The march of the famous Peabody ducks is free and takes place daily at 11am and 5pm. Afterwards, take the elevator to the roof to see the ducks' home and the wonderful views of Memphis), Pinch Historic District, South Main Arts District, and W.C. Handy Park. In addition, Memphis is home to the National Civil Rights Museum, which is located at the Lorraine Motel, the site of Dr. Martin Luther King's assassination. This museum chronicles key episodes of the American civil rights movement and the legacy of this movement to inspire participation in civil and human rights efforts globally, through their collections, exhibitions, and educational programs.

For more information of things to do in and around Memphis visit <http://www.memphistravel.com/thingstodo.asp>.



Barbara Thomas (right) receives Tilmans Award

## Section Awards for Excellence



Adrienne Minerick receives Evans and Best Paper Awards

At the 2007 Annual Meeting in Louisville, a number of awards were given for excellence in engineering education. The list of recipients and the awards are:

Section Outstanding Teaching Award	Michael Meadows	University of South Carolina
Section Outstanding New Teacher Award	Zhaoxian Zhou	University of Southern Mississippi
Section Outstanding Mid-Career Teaching Award	Guoqing Zhou	Old Dominion University
Section New Faculty Research Award	Paul H. Ziehl	University of South Carolina
New Faculty Research Award Second Place	Benjamin J. Mohr	Tennessee Technological University
Outstanding Campus Representative Award	Donald P. Visco	Tennessee Technological University
Outstanding Campus Rep Runner-Up	John W. Brocato	Mississippi State University
Tony Tilmans Service Award	Barbara Bernal Thomas	Southern Polytechnic University

Thomas Evans Instructional Paper Award: Adrienne R. Minerick, Ebonye-Rosa T. Allen, Bill B. Elmore of Mississippi State University for their paper *"Talking & Working for Diversity When You Don't Belong to a Minority Demographic."* This paper also received the Outstanding Paper Award for the 2006 ASEE-SE Conference.

## ASEE-SE Selects New Officers

The new officers for the 2007-2008 year are:

President	Cecelia Wigal	University of Tennessee at Chattanooga	423-425-4015
President Elect	Barbara Thomas	Southern Polytechnic State University	678-915-4283
Secretary-Treasurer	Tulio Sulbaran	University of Southern Mississippi	601-266-6419
Immediate Past President	Shelton Houston	University of Louisiana Lafayette	337-482-6968
Vice Presidents			
Programs Unit	Keith Plemmons	The Citadel	843-953-7677
Awards and Recognition Unit	Claire McCullough	University of Tennessee at Chattanooga	423-425-4352
Publications and Promotion Unit	Brent Jenkins	Southern Polytechnic State University	678-915-7433
Division Chairs			
Administrative Division	Richard Mines	Mercer University	478-301-2347
Bioengineering Division			
Chemical Engineering Division	Venkat Subramanian	Tennessee Tech University	931-372-3494
Civil Engineering Division	Shane Palmquist	Western Kentucky University	270-745-2919
Computer Engineering and Technology Division	Tyson Hall	Southern Adventist University	423-236-2916
Electrical Engineering Division	Zhaoxian Zhou	University of Southern Mississippi	601-266-4482
Engineering Graphics Division	Ted Branoff	North Carolina State University	919-515-1747
Engineering Technology Division	Ken Hutnik	Fort Valley State University	478-825-6880
Industrial Engineering Division	David Elzandro	Tennessee Tech University	951-372 3386
Instructional Division	Hodge Jenkins	Mercer University	478-301-2831
Mechanical Engineering Division	Loren Sumner	Mercer University	478-301-5533
Professional Skills Division	Peter Romine	Alabama A&M	256-372-4141
Research Division	Tim Mays	The Citadel	843-953-7678
Software Engineering Division	Juan Carlos Guzman	Southern Polytechnic State University	678-915-7430
Campus Representative Coordinator	Thomas Dion	The Citadel	843-953-7676
Proceedings Editor	Barbara Thomas	Southern Polytechnic State University	678-915-4283
Newsletter Editor	Ken Brannan	The Citadel	843-953-7685

A complete listing of the section officers may be found on the ASEE-SE web site at <http://cee.citadel.edu/asee-se/>

---

## More Highlights of Conference at Louisville



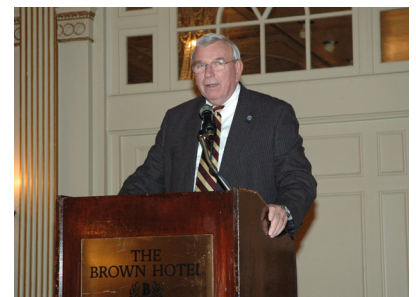
Sights of Louisville



Opening session in the historic Brown Hotel's Crystal Ballroom



Comedian Rik Roberts entertained at the Awards Banquet with his renowned stand-up act. Roberts has performed in 3 countries, 42 states, over 60 comedy clubs, more than 30 colleges, over 200 corporate events, and has appeared on the Tonight Show with Jay Leno.



ASEE President (2007-2008) James L. Melsa, Dean Emeritus of the Iowa State University College of Engineering, addressed the awards banquet on "Leadership and Change."