



American Society for Engineering Education

Southeastern Section Newsletter

Spring 2002 Edition

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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."

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SE Section Web Address:

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

Mercer University to Host 2003 Conference

Mercer University will be hosting the ASEE-SE Annual Section Meeting in Macon, Georgia at the Crown Plaza Hotel, April 6 – 8, 2003. The theme of the conference will be **"Bringing Reality into the Classroom"**. Other topics that will be addressed are instructional methodologies, curricula issues, outcomes assessment, research and graduate programs, retention issues, ethics, technology in the classroom, accreditation, capstone design experiences, distance education and virtual classrooms, case histories, life-long learning, and other topics related to engineering education. Additional information is found in the President's message and the Call for Papers.



Macon is the cultural center for middle Georgia and was incorporated in 1823. Archaeological findings indicate that several Indian cultures inhabited the banks of the Ocmulgee River some 10,000 years ago. The Ocmulgee National Monument, oper-

ated by the National Park Service, contains Indian Mounds and artifacts dating back to 10,000 B.C. Other area attractions include: Terminal Station and Welcome Center, Georgia Music Hall of Fame, Georgia Sports Hall of Fame, Cannonball House, Hay House, Tubman African American Museum, Museum of Arts and Sciences & Mark Smith Planetarium, Grand Opera House, and Rose Hill Cemetery. Attractions in nearby Bibb, Houston, and Monroe Counties include: Wesleyan College and Lake Tobesofkee Recreation Area; Museum of Aviation and Robbins Air Force Base; and Juliette, Home of "Fried Green Tomatoes," Jarrell Plantation State Historic Site, and High Falls State Park.

Spring is an ideal time to visit Macon since it is the Cherry Blossom Capital of the World. There are several attractions and popular restaurants within walking distance of the Crown Plaza. Colonial Mall is the largest indoor mall in central Georgia.

President Mines's Message

How do we as educators create a classroom in which students are eager to attend class and are excited about learning not only the theoretical aspects of engineering, but also more importantly, the practical applications? These important issues along with topics related to innovative approaches to engineering education, strategies to increase learning in the classroom, and the development of assessment processes to enhance student learning will be discussed

at the 2003 ASEE Southeastern Section Meeting. **Next spring, I invite each of you to attend the ASEE-SE Section Annual Meeting hosted by Mercer University in Macon, Georgia. The theme of the conference is "Bringing Reality into the Classroom"**, a major challenge facing engineering professors today.

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American Society for Engineering Education Southeastern Section

Bringing Reality into the Classroom

ASEE-SE Section Annual Conference

April 6 - 8, 2003

Mercer University

Crowne Plaza Hotel

(478) 746-1461

Macon, Georgia

Call for Peer Reviewed 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 "***Bringing Reality into the Classroom***" will have first priority but authors may address topics dealing with instructional methodology, curricula issues, outcomes assessment, research and graduate programs, retention issues, ethics, technology in the classroom, accreditation, capstone design courses and projects, distance education, virtual classroom, use of multimedia and computers in the classroom, continuing engineering education and other topics of interest to the engineering education community. 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 at the conference. These abstracts will be published in a book of abstracts but will neither be peer reviewed nor included in the reviewed proceedings. We anticipate having a biological and environmental engineering session along with a student paper session.

The schedule for submission of papers and abstracts is:

- 1 Oct 2002 - Abstracts submitted for consideration
- 21 Oct 2002 - Authors notified regarding acceptance
- 2 Dec 2002 - Manuscript due from author(s) for review
- 13 Jan 2003 - Reviewed manuscripts returned to authors
- 3 Feb 2003 - Final manuscript and extended abstract due from author(s)

Authors should electronically submit a 250-300 word abstract by 1 October 2002 to:

Dr. Laura W. Lackey, Technical Program Coordinator
Biomedical and Environmental Engineering Department
Mercer University
1400 Coleman Avenue
Macon, GA 31207
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Fax (478) 301-2166
E-mail: lackey_l@mercer.edu

Section Awards for Excellence

At the 2002 Annual Meeting in Gainesville, several awards were given for excellence in engineering education. The list of recipients and the awards are:

Rolf E. Hummel, University of Florida.....Section Outstanding Teaching Award
Jeff Frolik, Tennessee Technological University.....Section Outstanding New Teacher Award
Gregory D. Buckner, North Carolina State University.....Section New Faculty Research Award
Fabrice Manns, University of Miami.....Section New Faculty Research Award Runner-up
Anna P. Phillips, U. of Memphis/Scott A. Yost, U. of Kentucky....Thomas Evans Instructional Paper Award
Richard O. Mines, Mercer University.....Outstanding Campus Representative Award
J. P. Mohsen, University of Louisville.....Tony Tilmans Service Award

Highlights of Meeting at Gainesville



University of Florida Chemical Engineering Department Chair Tim Anderson delivers the keynote address on the SUCCEED curriculum model. Over 110 engineering educators attended the conference, which included approximately 100 papers.



Three workshops were offered on Sunday: "How to Write a Proposal to NSF" (Eric Sheppard, NSF), "Using Case Studies in Engineering Design" (P. K. Raju, Chetan Sankar, Auburn Univ.), and "Developing Assessment Tools" (Barbara Olds, Colorado School of Mines). Pictured here are "Case Studies" participants and coordinators in a University of Florida computer laboratory.



The awards banquet was held at the Florida Museum of Natural History, the largest museum of natural history in the Southeast. Guests were treated to tasty hors d'oeuvres, toured fascinating museum exhibits, and enjoyed an interesting revolving buffet dinner.



Anna Phillips (right) of the University of Memphis and Scott Yost (left) of the University of Kentucky were awarded the Thomas Evans Instructional Paper Award for the most outstanding paper pertaining to engineering education. The authors delivered their award-winning paper during the Monday luncheon.



Peter Hoadley of VMI, president of the Southeastern Section during 2001-2002, passes the gavel to incoming president Richard Mines of Mercer University.

Section Selects New Officers

The new officers for the 2002-2003 year are:

President	Richard Mines	Mercer University	478-301-2347
President-elect	Dennis Fallon	The Citadel	843-953-5083
Secretary-treasurer	Shelton Houston	University of Southern Mississippi	601-266-4896
Past President	Peter Hoadley	Virginia Military Institute	540-464-7552
Vice Presidents			
Instructional Unit	Laura Lackey	Mercer University	478-301-4106
Administrative Unit	Richard Denning	University of Central Florida	407-823-4747
Research Unit	William J. Davis	The Citadel	843-953-7687
Division Chairs			
Bioengineering	William Lee	University of South Florida	813-974-2136
Civil Engineering	Tulio Sulbaran	Georgia Institute of Technology	404-417-0298
Computer Engineering and Technology	Gary Johnsey	University of Southern Mississippi	601-266-4118
Electrical Engineering	Randy Buchanan	University of Southern Mississippi	601-266-5628
Engineering Design Graphics	Aaron Clark	North Carolina State University	919-515-1771
Engineering Technology	Richard Denning	University of Central Florida	407-823-4747
Industrial Engineering	Joan Burtner	Mercer University	478-301-4127
Mechanical Engineering	Sid Wang	North Carolina A&T State University	336-334-7620
Software Engineering	Sheryl L. Duggins	Southern Polytechnic State University	770-528-7401
Campus Rep. Coordinator	Thomas Dion	The Citadel	843-953-7676
Proceedings Editor	Barbara B. Thomas	Southern Polytechnic State University	770-528-4283
Newsletter Editor	Ken Brannan	The Citadel	843-953-7685

President's Message

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Personally, I started attending the ASEE-SE Annual Meetings in April 1995 and have not missed one yet. There are no other professional meetings that I enjoy more than the Southeastern Section Meetings. The Southeastern Section consists of engineers, scientists, and technologists dedicated to improving the educational experience for students. The camaraderie within the section is second to none and I always learn of new ideas being used and developed at other institutions that improve my own teaching. My only regret is that I wished someone had told me about ASEE-SE much earlier in my academic career! For those of you who are "regulars", thank you for making ASEE-SE such a friendly and rewarding experience. For those of you who have not yet attended, please join us in Macon and begin your professional association with a wonderful group of mentors and friends.

There is an array of activities both technical and social at each annual conference. Workshops are held on Sunday afternoon covering various topics such as using case studies to teach design and ethics, developing course portfolios for assessment, and understanding student-learning styles for enhancing learning in the classroom. An icebreaker or reception follows the workshops on Sunday evening. Concurrent technical sessions are held on Monday morning and afternoon following the keynote plenary session. Division and unit meetings are held on Monday and Tuesday morning during breakfast. Monday evening is the awards

banquet. Concurrent technical sessions are held again on Tuesday morning. The conference concludes with a luncheon on Tuesday. Each host city also introduces guests to interesting historical and cultural attractions in their community.

I encourage each of you to attend the conference and consider submitting an abstract for presentation only, or for presentation and publication in the conference proceedings. This is a peer-reviewed conference and an excellent venue for publishing research on educational related topics.

Before closing, I would like to thank Dr. Peter Hoadley of the Virginia Military Institute for his outstanding leadership as President this past year and to Dr. Fazil Najafi of the University of Florida for hosting the 2002 Annual Meeting. The conference in Gainesville, Florida, was a tremendous success and the dinner banquet held at the Museum of Natural History was extraordinary.

In closing, I hope that you will participate in next year's conference and also consider attending the fall planning meeting that will be held, November 1-2, 2002 at the Clarion Suites Hartsfield Atlanta Airport (770) 996-0000.

See you in Macon!

Thanks to Jim Nelson:

A special note of thanks is due to Jim Nelson, who established the Southeastern Section Website and has served as webmaster and proceedings editor over the last five years. Jim, who was instrumental in helping the section make the transition from paper proceedings to CD format, is moving out of the section, and will be sorely missed. Thanks, Jim!