



American Society for Engineering Education

Southeastern Section Newsletter

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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://www.ce.clemson.edu/asee-se/>

University of Florida to Host 2002 Conference

Nature, history and culture, tourist attractions—all may be found in abundance at the site of the 2002 annual meeting of the American Society for Engineering Education, hosted by the University of Florida.

The conference will be held April 7-9 in Gainesville, Florida, where the University of Florida is located. **Teaching Problem Solving**, the conference theme, and a host of other topics and emerging trends in engineering education will be explored at the conference. Additional information on the conference is found in the President's Message and Call for Papers.

In the early 1500s, several decades before the first city in America (nearby St. Augustine, Florida) was established, Spanish explorers made their way through what is now Alachua County, Florida, where Gainesville serves as the governmental seat. Within about 50 miles of Gainesville, there are some 40 nature parks for indi-



viduals and families to explore the unique natural beauty of the area. For example, there are many springs near Gainesville that have remarkably clear, cool water over a white sandy floor. Some

springs (such as Silver Springs, 40 miles from Gainesville) have been developed to allow tourists to experience the beauty of the area, and have cruises in glass-bottomed boats, water shows, and underwater fish-viewing galleries. Cross Creek, a community southeast of Gainesville, is the picturesque home (now a museum) of Marjorie Kinnan Rawlings, Pulitzer Prize winning author of *The Yearling*. Other places of interest within about 100 miles of Gainesville include the Okefenokee Swamp, St. Augustine (nation's oldest city, founded in 1565), the Kennedy Space Center, Marineland, and Disney World and EPCOT.

President Hoadley's Message

Much appreciation goes to Tom Dion, last year's President, Dennis Fallon, our host, and the supporting cast at the Citadel for the tremendous conference they sponsored this past April. All activities were excellent from the cruise in the Charleston Harbor Saturday evening to the luncheon business meeting on Tuesday. I enjoyed lively debate during some of the presentations and also

around the coffee table as I renewed some old relationships. As always, I took away a few things from the conference that will help me be a better educator.

One of the primary purposes of the conference is to provide engineering educators, administrators, and all associated

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General Call for Peer Reviewed Papers and Presentation Abstracts
for the
2002 ASEE-SE Section Annual Conference

TEACHING PROBLEM SOLVING

Sunday, 7 April to Tuesday, 9 April

Authors are invited to submit full-length manuscripts for presentation at the conference and inclusion in the conference proceedings. Papers addressing the conference theme "Teaching Problem Solving" will have first priority but authors may address topics dealing with instructional methodology, curricular issues, outcomes assessment, research and graduate programs, retention issues, ethics, technology in the classroom, accreditation, capstone design courses and projects, distance education, continuing engineering education and other topics of interest to the engineering education community. Guidelines for preparing the manuscripts are available at: www.offcampus.eng.clemson.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.

The schedule for submission of papers and abstracts is:

- 1 September 2001 Submit paper abstract or draft manuscript
- 1 October 2001 Notification to author(s) of acceptance
- 1 November 2001 Manuscript is due from the author(s) for review
- 7 January 2002 Reviewed manuscript returned to author(s) for revision
- 1 February 2002 Final paper due to proceedings editor

Authors should electronically submit a 250-300 word abstract by 1 September 2001 to:

Michael Woo
Technical Program Coordinator
Department of Civil and Environmental Engineering
171 Moultrie St.
The Citadel
Charleston, SC
Email: woom@citadel.edu

Section Awards for Excellence

At the 2001 Annual Meeting in Charleston, several awards were given for excellence in engineering education. The list of recipients and the awards are:

Michael Petrou, University of South Carolina	Section Outstanding Teaching Award
Chang-Yu Wu, University of Florida	Section Outstanding New Teacher Award
Teik C. Lim, University of Alabama	Outstanding Contributions in Research Award
Eileen M. Van Aken, Virginia Tech.....	Section Research Award Runner-up
Pedro E. Arce, FAMU-FSU.....	Thomas Evans Instructional Paper Award
Charles V. Knight, University of Tennessee at Chattanooga.....	Outstanding Campus Representative Award

Highlights of Meeting at Charleston



The 2001 Southeastern Section meeting was hosted by The Citadel in Charleston, SC on April 1-3. Over 140 engineering educators attended the conference, which included approximately 120 papers on the technical program. "STEP '01: Strengthening the Educational Process" was the conference theme.

On Sunday, four workshops were available for those attending the conference. Teresa Larkin-Hein of American University and Dan D. Budny, of the University of Pittsburgh conducted a workshop on teaching styles ("STEP UP your Teaching with STYLE"). A workshop called "Assessment: Closing the Loop" was conducted by Eleanor W. Nault and Michael Leonard of Clemson University. Two workshops, "MATHCAD (Getting Started)" and "MATHCAD as a Programming Language (Advanced Features)", were conducted by John Murden

and Ken Brannan of The Citadel.

Following the workshops, everyone was bussed to the recently constructed South Carolina Aquarium in historic downtown Charleston for the reception. The reception included a tour of the aquarium and a barbecue dinner.

Monday's Keynote Address was delivered by Dr. John A. Weese, the 2000-2001 Immediate Past President of ASEE and Regents Professor, Texas A&M University. "ASEE's Steps to Support STEP (Strengthening the Educational Process)" was the title of the keynote address.

The Citadel Color Guard opened the awards banquet on Monday evening with a



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Section Selects New Officers

Engineering Educators are needed to fill several openings and help maintain active divisions: Electrical Engineering Division- Secretary, Software Engineering- Vice-Chair, Engineering Technology Division- Secretary, and Industrial Engineering Division- Vice-Chair and Secretary. Nominations can be made to Thomas Dion, ASEE-SE Past President at diont@citadel.edu.

The new officers for the 2001-2002 year are:

President	Peter Hoadley	Virginia Military Institute	540-464-7331
President-elect	Richard Mines	Mercer University	478-301-2347
Secretary-treasurer	Shelton Houston	University of Southern Mississippi	601-266-4896
Past President	Thomas Dion	The Citadel	843-953-7676
Vice Presidents			
Instructional Unit	Michael Woo	The Citadel	843-953-7679
Administrative Unit	Fazil Najafi	University of Florida	352-392-1033
Research Unit	Michael Annable	University of Florida	352-392-3294
Division Chairs			
Civil Engineering	Sam Tongtoe	The Citadel	843-953-7678
Computer Engineering and Technology	Paul Wilder	University of Southern Mississippi	228-867-2600
Electrical Engineering	Claire McCullough	University of Tennessee Chattanooga	423-755-4100
Engineering Design Graphics	Ted Branoff	North Carolina State University	919-515-1747
Engineering Technology	Scott Southall	University of Memphis	901-678-3292
Industrial Engineering	Cecelia Wigal	University of Tennessee Chattanooga	423-755-4015
Mechanical Engineering	P. S. Yeh	Jacksonville State University	256-782-5229
Software Engineering	Barbara B. Thomas	Southern Polytechnic State University	770-528-4283
Campus Rep. Coordinator	J. P. Mohsen	University of Louisville	502-852-4596
Proceedings Editor	James Nelson	Clemson University	864-656-3000

Highlights of Meeting at Charleston

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brief flag ceremony. Later, members of the Citadel Pipe Band (bagpipes and drums) delighted the audience with an impressive performance. After the awards ceremony, South Carolina State Senator Glenn F. McConnell gave a dramatic presentation on the recovery and restoration efforts of the Hunley submarine recently recovered from

Charleston harbor, including insight into many engineering problems associated with the recovery and preservation of a historical vessel.

At Tuesday's business luncheon, President Dion was presented with a plaque recognizing his service to the Section and the gavel was passed to President Hoadley.

President's Message

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with the profession a forum for presenting and discussing innovations in the discipline. The conference typically includes a keynote address, paper presentations, panel discussions, workshops and award presentations. If you have not yet attended a conference, then make the 2002 conference your first. You will benefit even more by submitting a paper or abstract for presentation. I can guarantee that you will find an interested, knowledgeable audience ready to learn from you and offer suggestions for improvement. For more information, please note the call for papers listed on Page 2.

The 2002 annual conference is being hosted by the University of Florida in Gainesville from 7 through 9 April. The theme is "Teaching Problem Solving." Engineering is a problem-solving profession and the main purpose of

engineering education is the training of the next generation of problem solvers. There is always room for improvement in our craft, especially with the ever-changing technological tools available to the engineering educator and administrator. The purpose of the 2002 conference is to show how these new tools with old methods are used in the teaching of problem solving.

As you can imagine, several volunteers spend countless hours making a conference like this successful. I would like to encourage you to become one of the volunteers. Of course you can gain much from participating in the conference by making a presentation, but you can gain so much more if you participate in its planning. I would be more than happy to speak with you if interested.

See you in Gainesville!

Historical Footnotes:

The initial Southeastern Section meeting was in 1934 and was attended by 26 people from ten colleges, including the University of Florida, the host for the 2002 conference. The first section meeting held at the University of Florida was on April 2-3, 1937. At the 1954 meeting at North Carolina State University, Dean L. E. Grinter from the University of Florida gave a report on "The Evaluation of Engineering Education." Jack Evett, who wrote a brief history of the SE Section, believed "that this was, in part at least, the well-known 'Grinter Report'." - *From Jack Evett's "History of the American Society for Engineering Education, Southeastern Section, 1934- 1993," prepared for the 1993 Southeastern Section meeting in Nashville. Evett was Section President in 1991- 1992.*