



Southeastern Section Newsletter

August 2008

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Summer Edition

Southern Polytechnic State University to Host 2009 Conference

Southern Polytechnic State University (SPSU), which opened in 1948, will be

hosting the next Southeastern Section meeting on April 5-7, 2009. After successfully hosting this event twelve years ago, we are excited to have this honor again. We expect

over one hundred abstracts for publication consideration and presentation in Marietta, Georgia. Several panel discussions are planned as well as workshops. Information regarding the conference and an online registration form may be found at: <http://cee.citadel.edu/asee-se/>.



“Preparing the Engineers and Tech-

nologists of Tomorrow” will be the theme of the conference. Our awards banquet, where we recognize excellence in teaching, research and service, will be held on the Monday night of the conference. One

of the awards is named after the late Tony Tilmans, formerly a dean at Southern Polytechnic State University. Recognizing Tilmans’ exemplary service to the Southeastern Section, the award is given

(Continued on Page 3)

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 2009 Conference	1
President’s Message	1
Call for Papers	2
Student Poster Winners	4
Highlights of Conference at Memphis.....	4
Awards	5
2008-2009 Officers.....	5
Campus Rep Corner	6

President Bernal’s Message

Greetings to all the American Society for Engineering Education Southeastern Section members! It is my pleasure to serve as this year’s president to this outstanding organization. I was recruited and encouraged by Southern Polytechnic State University’s Dean Tony Tilmans to participate in the 2000 Section Conference in Roanoke, Virginia hosted by Virginia Tech. Immediately the program chair, Richard Mines, encouraged discussions for a new Division in



(Continued on page 3)

SE Section Web Address:

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

ASEE Southeastern Section Annual Conference

April 5-7, 2009

Southern Polytechnic State University
Marietta, Georgia

Preparing the Engineers and Technologists of Tomorrow

Call for Papers and Presentation Abstracts

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

- ABET Accreditation
- Applications of Educational Research
- Capstone and Multi-disciplinary Design Projects
- Cultivating Innovative Thinking
- Curriculum Creation or Enhancement
- Distance Education
- Diversity Recruitment and Retention Programs
- Engagement and Retention Efforts
- Fostering Undergraduate Research
- Freshman Engineering Programs
- Industrial Partnerships
- Innovative Teaching Methods
- Integration of Design throughout the Curriculum
- K-12 Initiatives
- Learning Communities
- Lifelong Learning
- Outcomes Assessment
- Preparation for Engineering Practice
- Professional Development
- Technology in the Classroom
- Two-year / Four-year Partnerships
- Virtual Classrooms and Laboratories

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 also anticipate a poster session in which students will discuss their experiences in engineering education (design projects, research, etc.). Information about this session will be available in the fall.

Schedule for Submission of Papers and Abstracts

September 19, 2008 – Abstracts submitted for consideration
October 3, 2008 – Authors notified regarding acceptance
December 1, 2008 – Manuscripts due from authors for review
January 9, 2009 – Reviewed manuscripts returned to authors
February 6, 2009 – Final manuscript and extended abstract due from authors

Electronically submit a 250-300 word abstract by September 19, 2008 to:

Technical Program Chair
L. Brent Jenkins
bjenkins@spsu.edu

For more information about the conference site, please contact:

Dr. Jeff Ray, Dean
jray@spsu.edu

Southern Polytechnic State University to Host 2009 Conference

(Continued from Page 1)

annually to an ASEE member who has rendered distinguished service to the Section. Full descriptions of all the ASEE SE awards will be provided in the next newsletter.

Begin to make plans to join us at SPSU in April. The conference site is The Hilton Atlanta/Marietta Hotel & Conference Center in North Metro Atlanta which offers an assortment of amenities including golf, tennis, and swimming. Sunday's conference activities will be held at the SPSU campus, less than two miles from the hotel. With a metropolitan population of about a million people, Atlanta is a sophisticated city that is always in transition. It is a major commercial and transportation hub of the southeast United States, and its international airport is one of the busiest in the world. Discover the cool vibe of city

lights and the warm glow of Southern nights in Atlanta, the capital of the New South. Host of the 1996 Olympics, Atlanta is home to Braves baseball, Falcons football, the Fabulous Fox Theatre, and the world's largest aquarium. Atlanta has a thriving cultural scene with the Carter Presidential Center, King Center, High Museum of Art, the Atlanta Botanical Garden, and Woodruff Arts Center. Come early taking time to experience these attractions along with the great restaurants and amazing shopping we have to offer. This promises to be an excellent location for the ASEE SE Conference and I am confident you will find the experience rewarding.

Barbara V. Bernal
President, ASEE-SE

President's Message

(Continued from page 1)

Software Engineering which President B.K. Hodge, VP Thomas Dion, Secretary-Treasurer Peter Hoadley and others supported. Involvement in the new Software Engineering Division activities offered for the 2001 ASEE-SE Conference at The Citadel was awesome. Imagine going from presenting a Conference paper to active Division leadership! The following year the Section needed someone to help create the Conference Proceedings CD, which I obliged and am currently still having fun doing. This Section has been the best vehicle for active involvement and participation in furthering education in engineering and engineering technology in my opinion. I hope you all agree and have similar positive experiences.

I hope many of you attended the productive and entertaining 2008 Section Meeting and Conference in Memphis hosted by The University of Memphis and the Herff College of Engineering. I want to thank all those who helped make the conference a success – especially Paul Palazolo, the Conference Host/Site Coordinator and Don Visco, the Conference Technical Program Chair. A big thank you goes to Cecelia Wigal, our past President for her leadership to the Section over the last year and for the 2008 Conference. Thank you to the 2007-2008 officers and conference paper reviewers. The success of the conference program is due to all of your hard work.

Let's focus on the future of the Southeastern Section. We need your help! We need your input to define better ways the Section can serve its membership. Thomas Dion, the Section's Campus Rep Coordinator, is actively working to facilitate your involvement in present ASEE offerings and looking for your suggestions on ways ASEE can support you. If you have discussions, ideas, or feedback for Thomas, please contact him at diont@citadel.edu. If you are looking to becoming more involved in the Section, please consider volunteering to become an officer of one of the Section's Divisions or Units. The Divisions and Units support

the annual section conference through the review of the submitted papers. However, I welcome ideas to get newcomers more involved in the Section. Maybe a Division would like to sponsor a workshop at the conference or a special topical session.

Those who are currently serving as Section officers, please keep our Fall Planning Meeting on November 6th and 7th on your calendar. At this meeting the Division and Unit officers as well as the Executive Board will come together to discuss Section needs, direction, outcomes, and of course the upcoming April 2009 Section Conference in Atlanta/Marietta. I do hope many of you will attend.

Please consider the following ways to get involved:

- Submitting an abstract for the 2009 Section Conference to be held in Atlanta/Marietta on April 2009
- Participating in the Paper Reviews for the 2009 Conference by contacting the Chair of the Division of your choice
- Recruiting new members to the Section and the National Organization (check the ASEE Dean's Program where new members get two years membership for one year paid by the Dean's office)
- Coming to the 2008 Planning Conference meeting on Nov. 6 and 7 and volunteering to assist with Conference-related activities
- Attending the 2009 Section Conference and getting involved in your division by becoming an officer

If you have ideas of what you would like the Section to provide you, your University, or the Section at large, please bring them to my attention (Bbernal@spsu.edu). We all have the opportunity to take what we already do well and do even more.

Barbara V. Bernal

Student Poster Competition Winners

2008 ASEE-SE Conference

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

First place – Robert Mazza, Matt Carroll, Joseph Branam, Vipin Joseph, & Kasia Pietras - University of Tennessee at Chattanooga

Junior/Senior Engineering and/or Engineering Technology Design Teams

First place – Bryan Snow & Matt Snow - University of Kentucky

Second Place – Jessica Merino, K.C. Northup, Sam Thoe, & Kristen Wallis - Clemson University

Third Place – James Johnston, Jerry Mayers, & Ivan Delgado - Southern Adventist University

Undergraduate Research Individual

First place – Navid Jafari - University of Memphis

Second place – Nemoy Rau - Tennessee Technological University

Third Place – Anderson Renaud, Christina Ibrahim, & Ryan Nelms - University of Alabama

Honorable Mention

Haley Hunter and Christy Holt -

Benjamin Eckart - Tennessee Technological University

Best Overall Research Presentation

Navid Jafari – University of Memphis



Award-winning student presentation

Highlights of Conference at Memphis

The 2008 Annual ASEE-SE Section meeting was hosted by the Herff College of Engineering of the University of Memphis on April 6-8 in Memphis, TN. Over 170 were in attendance, including approximately 50 students. There were 107 papers on the conference program, which had as its theme “Building Bridges: Making the Connections that Facilitate Engineering Education.”

On Sunday afternoon, a workshop on “GIS in Engineering Education” was available for conference participants. Presented by Zachary Lane of ESRI, the workshop was designed to help engineering educators develop ideas for incorporating GIS into courses and programs. Also available was a tour of the FedEx Institute of Technology. The FedEx Institute is home to cutting-edge research teams working in areas such as artificial intelligence, biotechnology, geospatial analysis, multimedia arts and nanotechnology. The Welcome Reception was held at the Big Foot Lodge in downtown Memphis.



James M. Phillips delivers keynote address

Monday’s keynote address was delivered by James M. Phillips, Managing Director of Pinnacle Investments. Among his record of leadership positions are Vice President of Nortel Networks, President & Co-Founder of SkyTel - the nation’s largest messaging company; President & Vice Chairman

of Telular Corporation, Corporate Vice President and General

Manager of Motorola, PCS and Multimedia divisions, where his team invented the cable modem. He is also Founding Chairman and Executive Director of the FedEx Institute of Technology.

The large student attendance supported an outstanding Student Poster Competition. Award recipients are included

elsewhere in this newsletter. Awards for both students and educators were presented at the awards banquet on Monday evening.



2008-2009 ASEE President Sarah Rajala

was added to the already impressive selection of desserts from the banquet, and those staying for the game were all set for a unique evening of college sports.



Student Poster Competition Award Recipients

National ASEE President Elect Sarah Rajala was on hand at the awards banquet and delivered the banquet address. With the University of Memphis basketball team playing in the national championship game that evening, arrangements were made to show the game on the large screen in the banquet hall. Popcorn



Don Visco receives Outstanding Teaching Award

Section Awards for Excellence



Juan Caicedo receives Outstanding New Teacher Award

At the 2008 Annual Meeting in Memphis a number of awards were given for excellence in engineering education. The list of recipients and the awards are:

Section Outstanding Teaching Award	Don Visco	Tennessee Technological University
Section Outstanding New Teacher Award	Juan Caicedo	University of South Carolina
Section Outstanding Mid-Career Teaching Award	Henri Gavin	Duke University
Section New Faculty Research Award	Adrienne Minerick	Mississippi State University
New Faculty Research Award Second Place	Salil Desai	North Carolina A&T State University
Outstanding Campus Representative Award	Kevin Bower	The Citadel
Tony Tilmans Service Award	Dennis Fallon	The Citadel
Thomas Evans Instructional Paper Award:	Pedro Arce	Tennessee Technological University
	Mario Oyanader and Stephen Whitaker, coauthors	
Outstanding Paper Award (2007 conference)	Cecelia Wigal, University of Tennessee at Chattanooga, for her paper	
	<i>"The Use of Engineering Design Projects for Student Understanding of Engineering's Societal Impact and Global Responsibility"</i>	

ASEE-SE Selects New Officers

The new officers for the 2008-2009 year are:

President	Barbara Bernal	Southern Polytechnic State University	678-915-4283
President Elect	Keith Plemmons	The Citadel	843-953-7677
Secretary-Treasurer	Tulio Sulbaran	University of Southern Mississippi	601-266-6419
Immediate Past President	Cecelia Wigal	University of Tennessee at Chattanooga	423-425-4015
Vice Presidents			
Programs Unit	Don Visco	Tennessee Tech University	931-372-3606
Awards and Recognition Unit	Alice Scales	North Carolina State University	919-515-1754
Publications and Promotion Unit	Scott Schultz	Mercer University	478-301-2840
Division Chairs			
Administrative Division	Tim Wilson	Embry-Riddle Aeronautical University	386-226-6994
Bioengineering Division			
Chemical Engineering Division	David Silverstein	University of Kentucky	270-534-3132
Civil Engineering Division	Stephanie Ivey	University of Memphis	901-678-3286
Computer Engineering and Technology Division	Tom Banning	University of Memphis	901-678-5377
Electrical Engineering Division	Paul Deugan	Tennessee State University	615-963-5362
Engineering Graphics Division	Michael Woo	The Citadel	843-953-7679
Engineering Technology Division	Salame Amr	Virginia State University	804-524-5431
Industrial Engineering Division	Cecelia Wigal	University of Tennessee at Chattanooga	423-425-4015
Instructional Division	Ted Branoff	North Carolina State University	919-515-1747
Mechanical Engineering Division	Mary Emplaincourt	Mississippi State University	662-325-8787
Professional Skills Division	Ed Hajduk	The Citadel	843-953-7686
Research Division	Sally Pardue	Tennessee Tech University	931-372-6375
Software Engineering Division	Sheryl Duggins	Southern Polytechnic State University	678-915-7401
Campus Representative Coordinator	Thomas Dion	The Citadel	843-953-7676
Proceedings Editor	Barbara Bernal	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 Memphis



Campus Rep Corner

Greetings to all Campus Representatives in the Southeastern Section:

Thank you for your fine work this past year as your institution's campus representative in promoting ASEE activities on your campus, and for your work in representing your colleagues both within the Southeastern Section and nationally. Your work is appreciated and most vital in making ASEE an effective organization.

As you know, National has recently instituted an electronic annual report format that is intended to reduce the amount of time and effort needed for you to complete. Since grassroots input is important for both the Section and National to be a responsive organization, it is essential that your ideas and concerns be heard. If you have any comments, both pro or con, concerning your use of this electronic reporting tool when you submitted last October, please forward them to me. I will be glad to pass them on to the National Campus Reps Coordinator who is working to improve this process.

In closing, please join me in congratulating Dr. Kevin C. Bower from The Citadel as winner of this year's Southeastern Section's Outstanding Campus Representative. Dr. Bower has been working tirelessly promoting both the Section and National ASEE on his campus, and has compiled an outstanding record of service as a result. Hopefully next year you will be the award recipient, as the award is based on the contents of your Annual Report that is submitted in October. In the meantime, please let me know if I can be of any assistance to you.

Thomas Dion
Campus Reps Coordinator