



Southeastern Section Newsletter

December 2007

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Fall Edition

2008 Spring Conference Update

Over 130 abstracts from approximately 50 schools were submitted for consideration for presentation and publication at the 2008 ASEE-SE annual meeting which will be hosted by the Herff College of Engineering at the University of Memphis on April 6th through April 8th, 2008. Conference events will be held at the FedEx Institute of Technology, the Fogelman Executive Conference Center, and the University Holiday Inn, all on the University of Memphis campus.

“Building Bridges: Making the Connections that Facilitate Engineering Education” is the theme of the conference. Technical sessions and workshops on the conference theme and many other aspects of engineering education including:

- ABET accreditation
- distance education
- diversity recruitment and retention programs
- educational 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 and retention issues

Continued on page 6

ASEE Southeastern Section Outstanding Teaching Award

Purpose

The Outstanding Teaching Award is intended to recognize faculty members who have demonstrated exceptional contributions to engineering or engineering technology education through outstanding classroom performance.

Continued on page 2

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...

ASEE Conference Update.....	1
Outstanding Teaching Award.....	1
New Faculty Research Award	3
Outstanding Conference Paper.....	3
Mid-Career Teaching Award	4
New Teacher Award	5
Evans Instructional Paper Award	6
Tony Tilmans Service Award	6
Student Poster Competition - Call for Abstracts	7
Announcements	8

SE Section Web Address:

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

ASEE Southeastern Section Outstanding Teaching Award

Continued from page 1

Award

The award includes a certificate and a \$500 cash prize, which are presented at the Annual Section Meeting.

Eligibility

Candidates must be an ASEE member and have been a full-time instructor or professor of an ABET/EAC or ABET/TAC curriculum. (A full time instructor is defined by teaching a minimum of two semester courses or three quarter courses per calendar year.)

Nomination

A colleague, department head or student may nominate a candidate for this award.

Qualifications

The candidate must possess and be able to communicate a broad and accurate knowledge of his or her subject area, possess self-confidence, create a feeling of harmony between self and students, be able to meet difficulties with poise, possess a sense of proportion, stressing fundamentals and disregarding trivial details and give assignments that challenge students to think creatively. The candidate must demonstrate an intense interest and enthusiasm for his or her subject area and the learning process that motivates students to their fullest capacities. The candidate must be available for advising and counseling students before and after graduation. The successful candidate must possess a strong record of activity in ASEE or the educational activities of another professional society and attend the annual Section meeting at which the cash prize and certificate are presented. The successful candidate must attend the annual section meeting at which the cash prize and certificate are presented. The candidate's contribution to the profession should include at least three of the following:

1. Participation in the development of courses or curricula;
2. Development of teaching equipment or development of a wider application of teaching equipment previously developed;
3. Contribution to the improvement of laboratories or other facilities;
4. Development or authorship of instructional materials or a text that enhances the student learning process;
5. Publication of original work, through any medium, that enhances the engineering education process or adds to the literature pertaining to teaching methodologies;
6. Service as a mentor to other teaching faculty or participation in the conduct of seminars and workshops that are focused on helping other teachers improve their classroom effectiveness

Documentation

Applications must include evidence of outstanding classroom performance using regular course evaluations and individual letters of recommendation from current and former students. The application may also include any other documentation necessary to demonstrate the candidate's qualifications for this award including, but not limited to, an endorsement of the candidate's department head and/or dean and/or chief academic officer responsible for engineering or engineering technology, endorsement from students using both regular course evaluations and individual letters of recommendation and a curriculum vita or resume. The nomination should be received by January 31, 2008. Mail nominations to:

*Claire McCullough
ASEE-SE Vice President for Awards and Recognition
College of Engineering and Computer Science, Department 2302
University of Tennessee at Chattanooga
615 McCallie Ave
Chattanooga, TN 37403
Phone: (423) 425-4352 FAX: (423) 425-5442
E-mail: Claire-McCullough@utc.edu*

ASEE Southeastern Section New Faculty Research Award

Overview

The Research Unit of the Southeastern Section of the American Society for Engineering Education (ASEE) announces the *2008 Competition for Outstanding New Faculty Research Award*. The Section intends this award to recognize a faculty member who has less than six years of teaching/research experience and who has demonstrated excellence in both teaching and research. The Section presents this award at its annual meeting each spring.

The Award

The Section makes the following awards: a medallion and a \$250 cash prize for first place, and a certificate and a \$150 cash prize for second place.

Qualifications

Candidates may be faculty in either ABET/EAC or ABET/TAC programs. The successful candidate must:

1. be an ASEE member.
2. be a full-time faculty member in either engineering or engineering technology.
3. have a documented record of excellence in research and teaching at his/her institution.
4. have a documented record of using research as a teaching mechanism in regularly scheduled courses.
5. have endorsements from colleagues and Department Head/Dean.
6. attend the annual section meeting at which the cash prize and certificate are presented.

Nomination

Colleagues, department heads, or students may nominate a candidate for this award. The nomination should take the form of a portfolio submittal. Nomination applications should include, but are not limited to, the endorsements of the nominee's department head, dean, and/or chief academic officer responsible for engineering or engineering technology, and curriculum vita or resume that demonstrates the above qualifications. Submit all supporting documentation before January 31, 2008 by forwarding it to:

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University of Tennessee at Chattanooga
615 McCallie Ave
Chattanooga, TN 37403
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E-mail: Claire-McCullough@utc.edu

ASEE Southeastern Section Outstanding Conference Paper

This award recognizes the most outstanding paper among those presented at the 2008 ASEE Southeastern Section Conference. The selected paper will then be sent to ASEE National for competition at the national level. The Section Award will be presented at the next annual meeting of the Section.

ASEE Southeastern Section Outstanding Mid-Career Teaching Award

Purpose

This award is intended to recognize faculty members who have demonstrated exceptional contributions to engineering or engineering technology education through outstanding classroom performance.

Award

The award includes a certificate and a \$350 cash prize, which are presented at the Annual Section Meeting.

Eligibility

Candidates must be an ASEE member and have been a full-time instructor or professor of an ABET/EAC or ABET/TAC curriculum from five to fifteen years. (A full-time instructor is defined by teaching a minimum of two semester courses or three quarter courses per calendar year.)

Nomination

A colleague, department head or student may nominate a candidate for this award.

Qualifications

The candidate must possess and be able to communicate a broad and accurate knowledge of his or her subject area, possess self-confidence, create a feeling of harmony between self and students, be able to meet difficulties with poise, possess a sense of proportion, stressing fundamentals and disregarding trivial details and give assignments that challenge students to think creatively. The candidate must demonstrate an intense interest and enthusiasm for his or her subject area and the learning process that motivates students to their fullest capacities. The candidate must be available for advising and counseling students before and after graduation. The successful candidate must possess a strong record of activity in ASEE or the educational activities of another professional society and attend the annual Section meeting at which the cash prize and certificate are presented. The candidate's contribution to the profession should include at least three of the following:

1. Participation in the development of courses or curricula;
2. Development of teaching equipment or development of a wider application of teaching equipment previously developed;
3. Contribution to the improvement of laboratories or other facilities;
4. Development or authorship of instructional materials or a text that enhances the student learning process;
5. Publication of original work, through any medium, that enhances the engineering education process or adds to the literature pertaining to teaching methodologies;
6. Service as a mentor to other teaching faculty or participation in the conduct of seminars and workshops that are focused on helping other teachers improve their classroom effectiveness.

Documentation

Applications should include any documentation necessary to demonstrate the candidate's qualifications for this award including, but not limited to, an endorsement of the candidate's department head and/or dean and/or chief academic officer responsible for engineering or engineering technology, endorsement from students using both regular course evaluations and individual letters of recommendation and a curriculum vita or resume. The nomination should be received by January 31, 2008. Mail nominations to:

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E-mail: Claire-McCullough@utc.edu*

ASEE Southeastern Section New Teacher Award

Purpose

The New Teacher Award is intended to recognize a faculty member who has less than four years of teaching experience and who has demonstrated excellence in the classroom.

Award

The award includes a certificate and a \$250 cash prize, which are presented at the Annual Section Meeting.

Eligibility

A candidate must be an ASEE member and have been a full-time instructor or professor of an ABET/EAC or ABET/TAC curriculum for no more than four years. (A full-time instructor is defined by teaching a minimum of two semester courses or three quarter courses per calendar year.)

Nomination

A colleague, department head or student may nominate a candidate for this award.

Qualifications

The candidate must possess and be able to communicate a broad and accurate knowledge of his or her subject area, possess self-confidence, create a feeling of harmony between self and students, possess a sense of proportion, stressing fundamentals and disregarding trivial details and give assignments that challenge students to think creatively. The candidate must demonstrate an intense interest and enthusiasm for his or her subject area and the learning process that motivates students to their fullest capacities. The successful candidate must attend the annual Section meeting at which the cash prize and certificate are presented. The candidate's contribution to the profession should include at least three of the following:

1. Participation in the development of courses or curricula;
2. Development of teaching equipment or development of a wider application of teaching equipment previously developed;
3. Contribution to the improvement of laboratories or other facilities;
4. Development or authorship of instructional materials or a text that enhances the student learning process;
5. Publication of original work, through any medium, that enhances the engineering education process or adds to the literature pertaining to teaching methodologies;
6. Service as a mentor to other teaching faculty or participation in the conduct of seminars and workshops that are focused on helping other teachers improve their classroom effectiveness.

Documentation

Applications should include any documentation necessary to demonstrate the candidate's qualifications for this award including, but not limited to, an endorsement of the candidate's department head and/or dean and/or chief academic officer responsible for engineering or engineering technology, endorsement from students using both regular course evaluations and individual letters of recommendation and a curriculum vita or resume. The nomination should be received by January 31, 2008. Mail nominations to:

*Claire McCullough
ASEE-SE Vice President for Awards and Recognition
College of Engineering and Computer Science, Department 2302
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Chattanooga, TN 37403
Phone: (423) 425-4352 FAX: (423) 425-5442
E-mail: Claire-McCullough@utc.edu*

Thomas C. Evans Instructional Paper Award

Purpose

The Thomas C. Evans Instructional Paper Award is given to the author or authors of the most outstanding paper pertaining to engineering education.

Award

The award includes a certificate and \$500 cash prize, which are presented at the Annual Section Meeting.

Eligibility

The author or authors must be members of ASEE.

Nomination

A colleague, department head or student may nominate a paper for this award.

Qualifications

The winning paper will be chosen from one of the following categories:

1. Unpublished papers
2. Papers published in refereed journals during in the previous calendar year
3. Papers published in conference proceedings in the previous calendar year

The successful candidate must attend the annual section meeting at which the cash prize and certificate are presented.

Documentation

The winning paper will be presented at the meeting and published in the Proceedings of the annual meeting of the Section. Five (5) copies of the completed paper should be submitted no later than January 31, 2008. Mail nominations to:

Claire McCullough
ASEE-SE Vice President for Awards and Recognition
College of Engineering and Computer Science, Department 2302
University of Tennessee at Chattanooga
615 McCallie Ave
Chattanooga, TN 37403
Phone: (423) 425-4352 FAX: (423) 425-5442
E-mail: Claire-McCullough@utc.edu

Tony Tilmans Section Service Award

Purpose

The Tony Tilmans Section Service Award is given to the member of the Southeastern Section of ASEE who has rendered outstanding service to the Section.

Award

The award includes a certificate and a \$200 cash prize, which are presented at the Annual Section Meeting.

Eligibility

All members of the ASEE Southeastern Section are eligible for the award except the past president, president and president-elect.

Nomination

Any ASEE-SE member may nominate a candidate for the award.

Qualifications

The nominee must be a member of ASEE who has rendered outstanding service to the Section. The successful candidate must attend the annual section meeting at which the cash prize and certificate are presented.

Documentation

The nomination should include a one-page description of the service rendered to the Section and submitted electronically. The nomination should be received by January 31, 2008. Send the nominations to:

Claire McCullough
ASEE-SE Vice President for Awards and Recognition
Phone: (423) 425-4352
E-mail: Claire-McCullough@utc.edu

Student Poster Competition - Call for Abstracts
American Society of Engineering Education
Southeastern Section Conference
The University of Memphis
Memphis, TN
April 6-8, 2008

The Southeastern Section of the American Society of Engineering Education (ASEE) invites both engineering and engineering technology faculty to sponsor their undergraduate students to present a poster at the annual Section Conference. This is an opportunity for you to exhibit your pedagogical successes through your students' outstanding projects. Students may enter in the following categories:

- Freshman/Sophomore Engineering and/or Engineering Technology Design Teams
- Junior/Senior Engineering and/or Engineering Technology Design Teams
- Undergraduate Research

There is a tremendous amount of talent and creativity in the Section. You are invited to share your experiences with your colleagues, while at the same time recognizing your students and giving them the opportunity to:

- Practice their visual, written, and oral communication skills in a professional/conference environment
- Share their research/project work with students and faculty from other institutions

Additionally, it will:

1. Improve the visibility of student efforts,
2. Recognize excellence in student projects, and
3. Promote the sharing and exchange of ideas about team projects and undergraduate research amongst the members in the Section.

Application and abstract deadline: February 5, 2008

For more information on the abstract, application, and submittal instructions, go to:

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

and click on the Call for Student Poster Competition Abstracts link (or alternatively click on the Author Instructions link, then the Student Paper Contest link).

2008 Spring Conference Update

Continued from page 1

As it becomes available, additional information on the conference may be found through links on the section website: <http://cee.citadel.edu/asee-se/>.

With a metropolitan population of more than one million people, Memphis is one of the South's largest and most diverse cities. Situated on the Mighty Mississippi River, it is well known for its unmatched musical heritage. As the birthplace of the blues and the home of Elvis Presley's Graceland, there is always music in the air, highlighted by the famous restaurants and clubs of Beale Street.

Art lovers will enjoy the Memphis Brooks Museum of Art and the Dixon Art Gallery and Gardens, and lovers of nature can unwind through the quiet beauty of the Botanic Gardens.

Our city comes together to cheer on the University of Memphis Tigers, and sports fans find plenty to do with the NBA's Memphis Grizzlies and Triple-A baseball's Memphis Redbirds, among others.

With its temperate climate and historic downtown, Memphis is a charming city for visitors to experience. There are numerous Web sites with all you need to know to enjoy your stay, including <http://www.memphistravel.com>.

A Sunday evening welcome get together is planned at the Big Foot Lodge in the Historic Beale Street district of downtown Memphis.

Attendees can check <http://conferences.memphis.edu> for a link to the registration page for the conference.

Upcoming Conferences

ASEE Annual Conference and Exposition; June 22 - 25, 2008; Pittsburgh, PA

Conference for Industry and Education Collaboration (CIEC); February 13-15, 2008; New Orleans, LA

Frontiers in Education Conference (FIE), October 22-25, 2008; Saratoga Springs, NY