



# Southeastern Section Newsletter

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Fall Edition

## 2007 Spring Conference Update

Plans are well underway for the 2007 ASEE-SE Annual Conference to be hosted by the J. B. Speed School



of Engineering, the college of engineering at the University of Louisville. Almost 150 abstracts were submitted for consideration for publication and presentation at the conference, representing a new high mark for the number of abstracts submitted in recent years. The conference site is the Brown Hotel, a historic four-diamond hotel located in downtown Louisville.

“Advancing Scholarship in Engineering Education: Lessons Learned from a Year of Dialogue” is the theme of the conference. Technical sessions and workshops on the conference theme and many other aspects of engineering education including ABET accreditation, communications, distance education, diversity recruit-

ment and retention programs, education methods, engineering and engineering technology curricula, fostering undergraduate research, freshman engineering programs, industrial partnerships,

innovative classroom practices, innovative teaching methods, interactive engineering education using pen-based technology, K-12 initiatives, learning communities, life-long learning, outcomes assessment, professional development, retention issues, and web technology have been the focus of conference planners. As it becomes available, additional information on the conference may be found through links available on the section website: <http://cee.citadel.edu/asee-se/>.

Located on the Ohio River at the Falls of the Ohio, Louisville offers many interesting and historic attractions for those attending the conference. A summary of these may be found on the last page of this newsletter.

## 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.

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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/>

# 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 15, 2007. Mail nominations to:

*Joe Owino  
ASEE-SE Vice President for Awards and Recognition  
College of Engineering and Computer Science  
University of Tennessee at Chattanooga  
Chattanooga, TN 37403  
Phone: (423) 425-4316  
FAX: (423) 425-5229  
E-mail: Joseph-Owino@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 *2007 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 15, 2007 by forwarding it to:

*Joe Owino*  
*ASEE-SE Vice President for Awards and Recognition*  
*College of Engineering and Computer Science*  
*University of Tennessee at Chattanooga*  
*Chattanooga, TN 37403*  
*Phone: (423) 425-4316*  
*FAX: (423) 425-5229*  
*E-mail: Joseph-Owino@utc.edu*

# ASEE Southeastern Section Outstanding Conference Paper

This award recognizes the most outstanding paper among those presented at the 2007 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 15, 2007. Mail nominations to:

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ASEE-SE Vice President for Awards and Recognition  
College of Engineering and Computer Science  
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# 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 15, 2007. Mail nominations to:

*Joe Owino  
ASEE-SE Vice President for Awards and Recognition  
College of Engineering and Computer Science  
University of Tennessee at Chattanooga  
Chattanooga, TN 37403  
Phone: (423) 425-4316*

# 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 15, 2007. Mail nominations to:

*Joe Owino*  
*ASEE-SE Vice President for Awards and Recognition*  
*College of Engineering and Computer Science*  
*University of Tennessee at Chattanooga*  
*Chattanooga, TN 37403*  
*Phone: (423) 425-4316*  
*FAX: (423) 425-5229*  
*E-mail: Joseph-Owino@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 15, 2007. Send the nominations to:

*Joe Owino*  
*ASEE-SE Vice President for Awards and Recognition*  
*Phone: (423) 425-4316*  
*E-mail: Joseph-Owino@utc.edu*

**Student Poster Competition - Call for Abstracts**  
**American Society of Engineering Education**  
**Southeastern Section Conference**  
**The University of Louisville**  
**Louisville, KY**  
**April 1-3, 2007**

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, 2007**

**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).**

## Upcoming Conferences

ASEE Annual Conference and Exposition; June 24 - 27, 2007; Honolulu, Hawaii

Conference for Industry and Education Collaboration (CIEC); February 3-10, 2007; Palm Springs, California

Frontiers in Education Conference (FIE), October 10-13, 2007; Milwaukee, Wisconsin

## Louisville Attractions

There are many attractions in Louisville to help make your visit a pleasant one. The conference host hotel (the Brown Hotel) also hosts a four-diamond restaurant headed by renowned chef Joe Castro. The hotel is close to shopping and to many of the attractions the city has to offer. Churchill Downs, home of the Kentucky Derby, is close to the hotel and has an excellent museum. Another historic site is the Louisville Slugger Museum and factory, which offers a walk-through tour where visitors can see the famous Louisville Slugger bats being made. Located on the banks of the Ohio River is the Belle of Louisville, a National Landmark and the oldest Mississippi-style sternwheeler in the country. The Belle is part of Louisville's large waterfront park and recreation area. The Frazier International History Museum, 4<sup>th</sup> Street Live, Louisville's major entertainment center, and the Muhammad Ali Center, an international education and cultural center, are also located in downtown Louisville. Shopping for antiques or crafts, visiting quaint cafes, or browsing through unique shops and boutiques are all possible through a visit to Bardstown Road, located in Louisville's Highland's neighborhood. If you have an interest in history, then plan on visiting the Old Louisville neighborhood located just south of downtown. The Old Louisville National Historic Preservation District, America's Largest Victorian neighborhood, offers walking tours and self-guided tours with examples of Victorian Gothic, Richardsonian Romanesque, Queen Anne, Italianate, Chateausque and Beaux Arts architecture. A short distance from downtown is the Louisville Zoo. The Zoo offers over 1300 animals exhibited in natural settings, including Lorikeet Landing, where you can see several varieties of Australian Lorikeets that will eat nectar right out of your hand. And, if you're feeling really lucky, a short drive across the river from Louisville will take you to Caesars Casino in Southern Indiana.

More information about Louisville and its many attractions, shopping and restaurants can be found by visiting the Louisville Visitor's Bureau at <http://gotolouisville.com/>. For information about Old Louisville, visit <http://www.oldlouisville.com/>.