



Southeastern Section Newsletter

December 2004

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Fall Edition

2005 Spring Conference Update



Chattanooga, Tennessee, known as the "Scenic City," is the site of the upcoming 2004 Southeastern Section Meeting hosted by the University of Tennessee at Chattanooga on April 3 - 5. Some 130 abstracts from over 200 authors were submitted for consideration of publication and presentation at the conference. In addition to technical sessions, workshops and a student poster competition are being planned. Details of the student poster competition are provided in this newsletter. As it becomes available, information regarding the conference may be found at the section website (<http://cee.citadel.edu/asee-se/>).



The awards banquet on Monday evening will highlight the accomplishments of a number of deserving faculty members from the Southeastern Section. Nomination package details are included in this newsletter.

A springtime visit to Chattanooga promises to be the ideal opportunity for those attending the conference and their families as well. The Scenic City was identified as one of America's top family weekend getaways by Southern Living's 2003 Reader's Choice Awards. Chattanooga is surrounded by Lookout and Signal Mountains and situated on the Tennessee River. Development of Chattanooga's Riverfront is nearing completion, including aquarium, children's museum, public areas, and many other projects. Scenic views, history, and many favorite tourist attractions await those attending the 2005 Spring Conference. Additional information on tourist attractions may be found in the Summer newsletter (available on the section website) and at <http://www.chattanoogaafun.com/>.

The theme of the conference is "Engineering 2020 Vision of the Future." The host hotel is the Read House Hotel & Suites, a Historic Hotel of America which is listed in the National Registry of Historic Places.

ASEE Southeastern Section Outstanding Teaching Award

Purpose

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

Award

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

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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

Candidates 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 16 February 2005. Mail nominations to:

*Peter W. Hoadley
ASEE-SE Vice President for Awards and Recognition
Department of Civil and Environmental Engineering
Virginia Military Institute
Lexington, VA 24450
Phone: (540) 464-4935
Phone: (540) 464-7618
E-mail: Hoadley@vmi.edu*

ASEE Southeastern Section New Faculty Research Award

Purpose

The New Faculty Research Award is intended to recognize a faculty member who has less than six years of teaching/research experience and who has demonstrated excellence in both research and teaching.

Award

The award includes a medallion and a \$250 cash prize, which are presented at the Annual Section Meeting. Second place will be awarded a certificate and a \$150 cash prize and is presented at the Annual Section Meeting.

Eligibility

The candidate must be an ASEE member and a full-time faculty member in an ABET/EAC or ABET/TAC curriculum.

Nomination

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

Qualifications

The candidate must possess a record of excellence in research and teaching at his/her institution and possess a record of using research as a teaching mechanism in regularly scheduled courses. The successful candidate must attend the annual section meeting at which the cash prize and medallion are presented.

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 and a curriculum vita or resume. The nomination should be received by 16 February 2005. Mail nominations to:

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ASEE Southeastern Section Outstanding Conference Paper

The ASEE-SE Executive Board has approved a new award for the most outstanding paper of the annual conference. Each Division Chair of the Section will nominate at least one paper to be considered for this award. A committee will be selected to listen to the presentations of the selected papers at the annual conference. After the conference, the committee will select the winning paper. The winning 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 \$250 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. 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 16 February 2005. Mail nominations to:

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ASEE Southeastern Section Outstanding Teaching Award

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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. 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 16 February 2005. Mail nominations to:

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E-mail: Hoadley@vmi.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 February 16, 2005. Mail nominations to:

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Department of Civil and Environmental Engineering
Virginia Military Institute
Lexington, VA 24450
Phone: (540) 464-4935
Phone: (540) 464-7618
E-mail: Hoadley@vmi.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 16 February 2005. Send the nominations to:

*Peter W. Hoadley
ASEE-SE Vice President for Awards and Recognition
Phone: (540) 464-4935
E-mail: Hoadley@vmi.edu*

Student Poster Competition - Call for Abstracts
American Society of Engineering Education
Southeastern Section Conference
University of Tennessee - Chattanooga, TN
April 3-5, 2005

The Southeastern Section of the 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
- Cross-Disciplinary Engineering and/or Engineering Technology Design Teams
- Cross-Level 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 in the Section, 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 4, 2005

For more information, go to:

<http://cee.citadel.edu/asee-se/Conference/Conference%20Home.htm>

and click on the Author Instructions link.

Upcoming Conferences

2005 ASEE Annual Conference and Exposition; June 12 - 15, 2005; Portland Oregon

2005 Conference for Industry and Education Collaboration (CIEC); February 1 - 4, 2005; Savannah, Georgia

2005 Frontiers in Education Conference (FIE), October 19 - 22, 2005; Indianapolis, Indiana

Past Newsletters

Past Newsletters since 2000 may be found on the section website (<http://cee.citadel.edu/asee-se/>).

Historical Note

The 47th Southeastern Section Meeting was held April 5 - 7, 1981 at the University of Tennessee at Chattanooga, host of this year's 71st Southeastern Section Conference.