

The ASEE Environmental Engineering Division Newsletter

Spring 2006

A Message from the Division Chair

Dear Colleagues:

This year has been an interesting one for the Division. We have tiptoed into the arena of joint sessions, our Program Chair successfully expanded the number of sessions we are offering in the face of across-the-board cutbacks in the number of sessions allowed for Divisions, and we have created a new Executive Committee to help guide the Division into the future.

While we did not initiate the concept of joint sessions, the Division did embrace the concept. There are, however, certain constraints that prohibit wholesale excursions into this arena. Most notable is the requirement from ASEE that one of the joint Divisions use one of its allotted time slots for the joint session. No Division can afford to do that so the efforts tend to be muted. We will continue to explore these opportunities as they arise, but not to the detriment of our Division programs.

Meanwhile, the members voted at our last business meeting to create an Executive Committee to be comprised of the most recent three past Division Chairs. We also agreed that the Immediate Past Chair would Chair the Executive Committee.

The purpose of the Executive Committee was not clearly stated or defined. It was broadly set to helping guide the Division and to provide some continuity of knowledge for the new officers to call upon. There needs to be a more formalized charge for this group. I will be proposing a motion at our business meeting in Chicago to assign the following two specific duties to the Executive Committee.

First: To create a new Meritorious Service Award for our Division and to oversee the selection of recipients of that award. The executive Committee would be expected to develop appropriate award criteria and appropriate recognition mechanisms. The

Committee will be asked to propose the program details in time for the next annual meeting and, if appropriate, present the initial awardee at the same meeting.

Second: To investigate, develop and initiate appropriate participation in joint sessions with other Divisions.

Mike Butkus has put together an interesting and challenging program for this year. The quality of papers offered to the Division continues to improve and the diversity of our papers continues to expand. I expect this Division to continue to mature and I am delighted to have played a small part in helping that happen. It has been an honor to Chair the Division for the past year and I look forward to continuing to work with the Division officers for many years to come. Thank you.

*Jerry Hopcroft
Wentworth Institute of Technology*

[Be sure to check out the Division Web Site:
http://users.rowan.edu/~jahan/asee/envvwebpage.htm](http://users.rowan.edu/~jahan/asee/envvwebpage.htm)

OFFICERS **July 2005 - June 2006**

Division Chair: Francis Hopcroft
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Program Chair: Michael A. Butkus
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Secretary: David Pines
University of Hartford, CT.
pines@mail.hartford.edu

Treasurer: Kevin Bower
The Citadel, Charleston, South Carolina.
kevin.bower@citadel.edu

Please note that the Treasurer position is open for 2006-2007. Please contact Dr. David Pines at pines@mail.hartford.edu if you are interested. Elections will be held during the Division Business Meeting on June 20, 2006 from 12:30 to 2:00 PM.

ASEE 2006 Activities



The Environmental Engineering Division will be hosting the following sessions at the ASEE Annual Conference in Chicago, Illinois.

<u>1451 Environmental Engineering Curricula</u>	Monday June, 19 2006	12:30 p.m.- 2:00 p.m.
<u>3551 Environmental Engineering Curricula</u>	Wednesday June, 21 2006	2:15 p.m.- 4:00 p.m.
<u>1551 Environmental Engineering Curricula</u>	Monday June, 19 2006	2:15 p.m.- 4:00 p.m.
<u>3251 Environmental Engineering Division Poster Session</u>	Wednesday June, 21 2006	8:30 a.m.- 10:15 a.m.
<u>2751 Environmental Engineering Social/Dinner</u>	Tuesday June, 20 2006	6:30 p.m.- 8:00 p.m.
<u>3651 Environmental Engineering Undergraduate Research</u>	Wednesday June, 21 2006	4:30 p.m.- 6:00 p.m.
<u>2651 Innovative Teaching Methods</u>	Tuesday June, 20 2006	4:30 p.m.- 6:00 p.m.
<u>1151 Sustainable Engineering</u>	Monday June, 19 2006	7:00 a.m.- 8:15 a.m.
<u>2251 Sustainable Engineering</u>	Tuesday June, 20 2006	8:30 a.m.- 10:15 a.m.
<u>3451 Sustainable Engineering</u>	Wednesday June, 21 2006	12:30 p.m.- 2:00 p.m.
3487 Capstone Courses I	Wednesday June, 21 2006	12:30 p.m.- 2:00 p.m.
3587 Capstone Courses II	Wednesday June, 21 2006	2:15 p.m.- 4:00 p.m.

This year our annual Business Meeting will be held on Tuesday June 20 from 12:30 to 2:00 PM.

Division Social: June 20 6:30-8:00 PM

This social event is open to all division members, prospective members, families and friends. The event provides a relaxed atmosphere to socialize and honor the Best Paper Award and the Early Career Grant recipients and the Outgoing Division Chair. The division honors the awardees with a plaque, certificate and a free invitation for the dinner. **Please inform Dr. Michael A. Butkus at bm8375@usma.edu if you plan on attending.**

BEST PAPER AWARD 2005

"Empty-Handed Demonstrations for Engineers: Think Inside the Box"

MAURICE F. ABURDENE is the T. Jefferson Miers Professor of Electrical Engineering and Professor of Computer Science at Bucknell University. He received his Ph.D. from the University of Connecticut and has been at Bucknell since 1981. His research areas include parallel algorithms, simulation of dynamic systems, distributed algorithms, computer communication networks, control systems, computer-assisted laboratories, and signal processing.



BEVERLY K. JAEGER has a Master's in Biomechanics from Northeastern University (NU) and earned her Doctorate in Human Factors Engineering at NU as well. As a member of the Gateway Faculty at Northeastern, she teaches Engineering Design and Engineering Problem Solving with Computation across the first-year engineering disciplines. She also teaches upper-level courses for the Department of Mechanical and Industrial Engineering in Digital Simulation, Facilities Planning, and Human-Machine Systems.



SUSAN FREEMAN is an Associate Academic Specialist at Northeastern University. She is a member of the Gateway Faculty, a team of instructors who are committed to teaching and working with First-Year Engineering Students. She received her PhD in Industrial Engineering from Northeastern University, and has been teaching at NU since 1990. Other teaching and advising is in the Mechanical and Industrial Engineering Department, where she teaches Introduction to Industrial Engineering, Engineering Economy, Stochastic Modeling and also works with IE recruiting activities.



EARLY CAREER GRANT, 2006

Dr. Richard Ciocci is an Assistant Professor of Mechanical Engineering at The Pennsylvania State University Harrisburg, Middletown, Pennsylvania. Dr. Ciocci's research and teaching interests include Sustainable Engineering, Design for the Environment, and Lead-free Electronics Manufacturing. Dr. Ciocci received his Ph.D. in 2001 from the University of Maryland at College Park. Dr. Ciocci's paper is titled "Teaching Sustainable Engineering Ten Years Later: What's Worked & What's Next?" He will be presenting in Session 3451.



Call for Papers 2007

The Environmental Engineering Division invites papers for the 2006 ASEE Annual Conference in Honolulu, Hawaii June 24-27, 2007.

The Environmental Engineering Division of ASEE invites papers for the Annual Meeting to be held in Honolulu June 14 - 27, 2007. The division will offer sessions that include papers on the following topics:

- Service learning in developing communities, e.g. "Engineers without Borders." Globalization of our profession seems to dictate that we pay more attention to the realities of engineering and design in developing communities. Papers on providing safe water, sanitation, electricity, and fund raising are especially encouraged.
- Development of new or hybrid courses in environmental engineering, e.g. Environmental Biology, Environmental Security, Environmental and Public Health for Developing Communities;
- Recruitment of environmental engineering students;
- Problem based learning projects;
- Undergraduate research experiences;
- Interdisciplinary projects and contests;
- Accreditation and innovative curricula;
- Innovative approaches in teaching environmental engineering courses; and,
- **Green engineering/sustainability.**

Other suitable topics will be considered.

The Environmental Engineering Division now requires that presenters publish their papers in the ASEE conference proceedings.

Questions may be addressed to the Environmental Engineering Division Program Chair, Dr. David Pines.

e-mail pines@mail.hartford.edu

Best Paper Award

The author must be a current member of ASEE and of the Environmental Engineering Division. The paper must be submitted to the proceedings. **The author (not a graduate student or colleague) must present the paper.** For multiple authors, at least one paper author must be a division member, and the presentation at the

conference must be made by a division member. In cases of multiple qualified authors, the prize will be split.

Prize is dinner for winner + 1 guest and recognition at the Division dinner, a plaque, and an honorarium of \$200.

EARLY CAREER GRANT 2007

The Environmental Engineering Division of ASEE is pleased to announce the inception of the Early Career Grant. Recipients of this grant will be registered for the conference free of charge, and will be guests at the Environmental Engineering Division Dinner.

Eligibility Criteria

Applicant will be in a tenure-track position as of August 30, 2006. Applicant will be un-tenured as of August 30, 2006.

Applicant teaches at any 2- or 4-year University that offers at least one environmental engineering course.

The abstract must be submitted to the Environmental Engineering division.

Selection Criteria

A single recipient will be selected based on the abstract submitted. A selection committee will judge the abstract based on its ability to positively impact environmental engineering education.

Application Process

To apply, simply ensure that the last line of the abstract contains the following sentence:

"I am eligible for the Environmental Engineering Division Early Faculty Grant."

If you have any questions, please feel free to contact the Environmental Engineering Division Program Chair for 2007(David Pines) at pines@mail.hartford.edu.

Upcoming ASEE Conferences

June 24-27, 2007
Honolulu, Hawaii

June 22-28, 2008
Pittsburg, Pennsylvania

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