



Biomedical Engineering Division

Fall 2006

A Message from the Chair

STEVE SCHREINER, Ph.D., P.E.
Chair, Biomedical Engineering Department
Western New England College



Greetings to everyone from New England! The leaves are changing and the academic year is in full swing. I am pleased to report that the Division is healthy and very active. The feedback from the Chicago conference was positive and the Division officers are committed to increasing opportunities for biomedical engineering educators to exchange best practices.

The 2007 Honolulu conference planning is well underway. Ann Saterbak, Program Chair, is accepting abstracts and workshop proposals. I hope that a conference abstract for the BED is already on your to-do list; please encourage your colleagues to submit as well prior to the October 4th deadline. Also consider submitting a proposal for a pre-conference workshop. These half-day or whole-day workshops are an

Chair continued on page 3

INSIDE THIS ISSUE

- 1 A Message From the Chair
- 1 ASEE BED 2007 Annual Conference Call for Papers
- 2 2006 Awards Banquet and Tour of Northwestern
- 2 ASEE BED 2006-2007 Officers
- 3 Call for nominations for 2007 BED Awards

Call for Papers

2007 ASEE Annual Conference & Exposition
Honolulu, Hawaii • June 24-27, 2007

ASEE is heading to the Aloha State for its 2007 Annual Conference in Honolulu, Hawaii! Get more details at:

<http://www.asee.org/conferences/annual/2007/>

The Biomedical Engineering Division (BED) of ASEE invites papers for the 2007 annual conference. Engineers in academia and industry from across the world should consider submitting a paper that focuses on biomedical engineering education.

The topics listed below are intended to serve as a guide for authors. However, authors are encouraged to submit papers on any relevant topic on biomedical engineering education for inclusion in the BED portion of the conference:

- Problem-based learning in biomedical engineering
- Textbooks and teaching strategies in biomedical engineering
- Simulation courses and biomedical engineering laboratories
- Biomedical engineering design and technology transfer
- Educational programs with an international emphasis
- Special topics, including undergraduate research and freshman courses
- Best practices for assessing biomedical engineering education

In order to present your work at the conference, an abstract and full paper must be submitted and accepted.

Abstracts and papers will be judged based on the level of innovation, technical merit, demonstrated outcomes and relevance to biomedical engineering, science and technology education. All abstracts and papers must be submitted electronically via the ASEE's [SmoothPaper](#) Web site. Access conference information and submit via the main ASEE Web site, www.asee.org.

Questions regarding the abstract or paper submission can be directed to the 2007 Program Chair, Ann Saterbak (saterbak@rice.edu or 713-348-6243) at Rice University.

2006 Awards Banquet and Tour of Northwestern

Contributed by **Steve Schreiner**

BED 2006 Program Chair

This year the BED was invited to take to the road and head north on Lakeshore Drive to spend an evening on the campus of Northwestern University. The BED is grateful to our hosts for providing a venue for our annual awards banquet and a tour of the new Ford Motor Company Engineering Design Center that was designed specifically to facilitate teaching engineers about design. The evening was enjoyed by all and even participants from outside of BED joined us.

At the banquet in Northwestern's Allen Center overlooking Lake Michigan, John Enderle was awarded the Theo C. Pilkington Outstanding Educator Award. Pilkington was a true pioneer in Biomedical Engineering who contributed significantly to the advancement of Biomedical Engineering Education. The Theo C. Pilkington Outstanding Educator Award is conferred by the Biomedical Engineering Division (BED) for significant contributions not only to ASEE, but also to biomedical engineering and education profession as evidenced by the development of successful graduate level programs, curricula, textbooks and professional papers and by membership and activity in ASEE BED and other biomedical engineering organizations. The award consists of \$300 and a commemorative plaque. If you have not done so already, please congratulate John on this accomplishment.



The 2006 Theo C. Pilkington Outstanding Educator Award was awarded to John Enderle (Left). Pictured with John are past award recipients Susan Blanchard, Tom Harris, and Willis Tompkins.

ASEE BED 2006–2007 Officers

Information also available at
<http://www.asee.org/activities/organizations/divisions/officers.cfm?SGRP=BIOMED>

CHAIR (2007): Steve Schreiner, Ph.D., P.E. Chair, Biomedical Engineering Department, Western New England College, 1215 Wilbraham Road, Springfield MA 01119, 413-782-1727; sschrein@wnec.edu

CHAIR-ELECT and PROGRAM CHAIR (2007): Ann Saterbak, Bioengineering Department, Rice University, MS-142, P.O. Box 1892, Houston, TX 77251-1892, 713-348-6243, fax 713-348-5877; saterbak@rice.edu

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MEMBER-AT-LARGE (Term Ends 2007): Samuel A. Lippert, Department of Biomedical, Industrial and Human Factors Engineering, Wright State University, 240 Russ Engineering Center, 3640 Colonel Glenn Hwy., Dayton OH 45435-0001, 937-775-5028; samuel.lippert@wright.edu

MEMBER-AT-LARGE (Term Ends 2008): Semehat S. Demir, Joint Biomedical Engineering Program, University of Memphis, University of Tennessee, Department of Biomedical Engineering, 330 Engineering Technology Building, Memphis TN 38152, 901-678-3170, fax 901-678-5291; sdemir@memphis.edu

MEMBER-AT-LARGE (Term Ends 2009): Michele Grimm, Wayne State University, Bioengineering Center, 1172 Engineering, Anthony Wayne Dr., Detroit MI 48202, 313-577-3040, fax 313-577-5300; mgrimm@wayne.edu

NEWSLETTER EDITOR: Carol Mullenax, Project Manager, Bastion Technologies, Mailcode Wyle/HAC/W2, 1290 Hercules Dr. #120, Houston, TX 77058, 281-461-2642; naxshark@yahoo.com

PAST CHAIR & CHAIR OF NOMINATING COMMITTEE: Lisa Milkowski, Associate Professor, Biomedical Engineering, Milwaukee School of Engineering, 1025 N. Broadway St., Milwaukee WI 53202-3109, 414-277-7394, fax 414-277-7465; lisa.milkowski@msoe.edu

important mechanism for disseminating interesting pedagogical methods or topics. In Chicago, the BED sponsored a PBL workshop by Paul Benkesser and Wendy Newstetter of Georgia Tech – this workshop was well attended and drew many participants from outside of the BED. Contact Ann for details regarding workshop proposals.

Judy Cezeaux, Awards Chair, is accepting nominations for the Theo Pilkington Award and a new Teaching Award created by the Division this year. The prestige of the Pilkington Award is evident by its outstanding recipients – visit www.asee.org for a complete list. The new Biomedical Engineering Teaching Award gives us the chance to acknowledge exceptional teaching at the beginning of a career. I strongly encourage all of us to consider nominating deserving colleagues.

As Division Chair, I aim to continue the momentum passed on to me: making the BED a dynamic forum for exchanging ideas. As our field continues to expand, the BED needs to expand as well. There is an increasing pipeline of future BME educators that will look to our division for providing more workshops, panel discussions, and quality scholarship.

Best Regards,
Steve

Steve Schreiner
ASEE-BED Chair

Newsletter

Please submit suggestions or submissions for the ASEE Biomedical Engineering Division newsletter via e-mail to Carol Mullenax at naxshark@yahoo.com

Thanks to everyone who contributed to this issue.

Call for Nominations

The Theo C. Pilkington Outstanding Educator Award is given each year in recognition of exceptional contribution to biomedical engineering and education. Nominations should include a cover letter from the nominator that outlines the nominee's contribution, the nominee's CV, and three letters of support (to be collected by the nominator and attached to the nomination materials).

The new Biomedical Engineering Teaching Award recognizes contributions in the field of biomedical engineering education by new faculty members (5 or fewer years of teaching experience with primary teaching responsibility). The award honors one person a year who has made significant contributions to biomedical engineering education as evidenced by innovative teaching materials, curricula, textbooks and/or professional papers and by activity in ASEE BED and/or other biomedical engineering organizations. Nominations should include the nominee's CV, a summary by the nominator of educational accomplishments including specific examples of the nominee's impact (e.g. descriptions of educational innovations), at least one letter from current or former students, and letters from additional colleagues who are familiar with the nominee's teaching.

Nominations are due by February 1. Nominators and nominees must be ASEE members. Both awards will be presented during the ASEE-BED annual Awards Banquet during the June conference.

Send nominations to the 2007 Awards Chair:
Judy Cezeaux, Western New England College, 1215 Wilbraham Road, Box S-5004, Springfield, MA 01119, 413-782-1618, fax 413-796-2116; jcezeaux@wnec.edu



BED members look on as Northwestern's Design and Prototyping Specialist, Steve Jacobson (far right), explains student projects and interactions within the Engineering Design and Communication (EDC) first year program at Northwestern.

The tour was part of the BED program at 2006 ASEE Annual Conference and Exhibition in Chicago, Illinois.