



Biomedical Engineering Division

Spring 2008

A Message from the Chair

ANN SATERBAK, Ph.D.
Bioengineering Department
Rice University



As the academic year winds down, it is an appropriate time to reflect on our mission as educators. During the regular hustle and bustle, meetings and madness, it is easy to lose sight of the role we play in the educational endeavor. Upon reflection, I really treasure the opportunity to work with gifted students who are seeking to learn how to solve some of the world's most challenging problems in biomedical engineering. Of course, I also enjoy the peace of the summer and the opportunities to learn more about engineering education at ASEE.

Chair continued on page 3

INSIDE THIS ISSUE

- 1 A Message From the Chair
- 1 ASEE BED 2008 Annual Conference Program
- 2 Officer Elections – Call for Nominations
- 2 ASEE BED 2007-2008 Officers
- 3 Recognition of 2008 BED award winners

BED Conference Program

2008 ASEE Annual Conference & Exposition
"Building Bridges to Create Change in Engineering Education"
Pittsburgh, Pennsylvania • June 22-25, 2008

Contributed by Dan Cavanagh

BED 2007-08 Chair-Elect and Program Chair

Thanks to all authors, reviewers, and other contributors who have helped make this year's BED activities diverse and exciting! BED has a range of topics comprising our six sponsored technical sessions, one roundtable discussion, an awards dinner, and various meetings. We hope that you will find the presentations informative, interesting, and useful. The full listing of all conference sessions is available online at <http://www.asee.org/osl/>.

| No. | Title | Day & Time |
|------|--|-------------------|
| 1309 | Unique Student Opportunities in BME | M 10:30am-12:00pm |
| 1409 | BME Council of Chairs Meeting (Lunch) | M 12:30-2:00pm |
| 1509 | BME Laboratories and Skills-Based Projects | M 2:15-4:00pm |
| 1709 | BED Awards Banquet (Dinner Off-Site) | M 6:30-8:00pm |
| 2109 | Roundtable: BME Summit Debriefing | T 7:00-8:15am |
| 2209 | BME Courses & Curricular Content | T 8:30-10:15am |
| 2409 | BED Business Meeting (Lunch) | T 12:30-2:00pm |
| 2509 | Instructional Methods & Tools in BME | T 2:15-4:00pm |
| 2609 | Design in the BME Curriculum | T 4:30-6:00pm |
| 3409 | Careers and Prof. Development in BME | W 12:30-2:00pm |

Please note that this year's Roundtable Discussion, Session 2109, will focus on the BME Education Summit to be held in Chicago one week before the ASEE meeting. The session will include an overview of the summit in addition to further discussions of the most significant topics addressed at the summit. Whether you are or are not able to attend the summit meeting, this session should provide for exciting and constructive discussions of undergraduate biomedical engineering education. You may purchase a ticket or bring your own breakfast.

You are also invited to purchase a lunch ticket (through the ASEE registration process) or bring a lunch to the lunchtime business meetings. Finally, we will have our regular BED Awards Banquet on Monday, June 23 from 6:30-8:00pm at the Palomino Restaurant. Please contact Samantha Richerson (samantha.richerson@msoe.edu) for more information and to let her know if you will attend the banquet.

We look forward to seeing you at the annual conference in Pittsburgh, and hope that you will support the BED-sponsored sessions!

BED Officer Elections – Call for Nominations

Contributed by Steve Schreiner

BED 2007-8 Past Chair & Chair of Nominating Committee

The BED nominating committee is seeking nominations for officers. Elections will be held at the BED business meeting at the annual conference in Pittsburgh. Nominees are encouraged to attend the business meeting. A slate of nominations will be formed prior to the meeting, and nominations will also be accepted from the floor at the business meeting.

The officer positions open for nominations are:

- Program Chair-Elect (2010) (4 year, progressing position)
- Secretary-Treasurer (1 year term)
- Vice-Chair, Career Development and Awards (1 year term)
- Vice-Chair, Curriculum Development (1 year term)
- Vice-Chair, Professional Development (1 year term)
- Member-at-large (3 year term, ending 2011)

The BED continues to be a very active Division of ASEE. The Division provides a national forum for high-quality discussions about the best practices in biomedical engineering education. The nominating committee seeks leaders who are interested in continuing the tradition of excellence. You may read the descriptions of the positions in the bylaws of the Division which are available on the ASEE website www.asee.org. Click on the Member Activities and Divisions tabs to reach the Biomedical Engineering Division homepage.

Please nominate individuals who you believe would serve the ASEE BED well. Self-nominations are encouraged. Please send your questions or nominations to Steven Schreiner, Chair of the Nominating Committee, sschrein@wnec.edu.

ASEE BED 2007–2008 Officers

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

PAST CHAIR & CHAIR OF NOMINATING

COMMITTEE: 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 (2008): 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

CHAIR-ELECT and PROGRAM CHAIR (2008): Dan Cavanagh, Biomedical Engineering, Dana 223, Bucknell University, Lewisburg, PA 17837, 570-577-3402; dan.cavanagh@bucknell.edu

PROGRAM CHAIR-ELECT (2009): Paul Benkeser, Dept. of Biomedical Engineering, Georgia Institute of Technology, 313 Ferst Dr., Atlanta, GA 30332-0535, 404-894-2912; pbenkeser@gatech.edu

SECRETARY-TREASURER: Paul H. King, Vanderbilt University, VU Station B 351631, Nashville TN 37235-1631, 615-322-2201, fax 615-343-7919; paul.h.king@vanderbilt.edu

VICE-CHAIR, CAREER DEVELOPMENT AND AWARDS: Samantha J. Richerson, Biomedical Engineering, Milwaukee School of Engineering, 1025 N. Broadway, Milwaukee, WI 53202, 414-277-7394; richerss@msoe.edu

VICE-CHAIR, CURRICULUM DEVELOPMENT: Mary C. Verstraete, Department of Biomedical Engineering, 301-M Olson Research Center, The University of Akron, Akron OH 44325-0302, 330-972-7691, fax 330-374-8834; maryc@uakron.edu

VICE-CHAIR, PROFESSIONAL DEVELOPMENT: 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

MEMBER-AT-LARGE (Term Ends 2008): Semehat S. Demir, Biomedical Engineering Program, National Science Foundation, 4201 Wilson Blvd., Suite 565, Arlington, VA 22230, 703-292-7950; sdemir@nsf.gov

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

MEMBER-AT-LARGE (Term Ends 2010): Joe Tranquillo, Dept. of Biomedical Engineering, Bucknell University, Lewisburg, PA 17837, 570-577-1758; jvt002@bucknell.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

Dan Cavanaugh has organized a high-quality meeting for our Biomedical Engineering Division this summer at the 2008 ASEE conference. The program is full of innovative papers and ideas that will surely generate discussions and also improvements to courses. We are excited to announce the Theo Pilkington Award and the Biomedical Engineering Teaching Award winners at the dinner on Monday evening. A special thanks is due to Samantha Richerson who organized the awards and dinner this year.

I am proud that the BED is one of the sponsors for the Third Biomedical Engineering Education Summit this June. The organizers for this event include a number of active BED members. The program looks to be very relevant and cover a diverse range of important topics for undergraduate education in bioengineering.

Although Pittsburgh is not as glamorous as Hawaii (at least in the pictures), I know that the conference will be informative and engaging. Having spent some time there during graduate school, I can vouch that Pittsburgh is a great place to visit.

Thanks for your support this past year as Chair. Please feel free to give me your feedback as our division moves forward. I can be reached at saterbak@rice.edu.

Ann Saterbak
2007-8 ASEE BED Chair

2008 BED award winners



Mary Verstraete
2008 Theo C. Pilkington
Outstanding Educator
Award



Kristyn Masters
2008 Biomedical
Engineering Teaching
Award

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.

Recognition of 2008 BED Award Winners

Contributed by Samantha Richerson

BED Vice-Chair, Career Development and Awards

The BED is pleased to recognize achievements of outstanding members with two Division-sponsored awards.

The Theo C. Pilkington Outstanding Educator Award for 2008 goes to Dr. Mary Verstraete for her outstanding work with the program at the University of Akron. Dr. Verstraete joined the Department of Biomedical Engineering at the University of Akron in 1988. She served as the Chair of the Department from 1997-2001, and now holds the position of Director of the Women in Engineering Program as well as Coordinator of the Undergraduate Program in BME. Dr. Verstraete has 16 published journal articles and 42 peer-reviewed papers in the areas of education and biomechanics. Her focus on education is evident from the glowing student comments on her teaching evaluations. One example states "Dr. Verstraete is a fantastic professor that cares greatly about her students. Her efforts to guide seniors thought their last year and into the real world are nothing short of exemplary." Congratulations to Dr. Verstraete.

The Biomedical Engineering Teaching Award for 2008 goes to Dr. Kristyn Masters, Assistant Professor of Biomedical Engineering at the University of Wisconsin-Madison. Dr. Masters has developed innovative new courses for the program at UW Madison that include topics such as ethics, social, and global issues in BME. She also participates in a campus-wide training and mentoring of STEM faculty by developing, planning, and facilitating training graduate students and post-docs for careers in higher education. Dr. Masters is also active in recruiting and retaining female students in the engineering disciplines. She has written several book chapters, holds several patents, and has published in the fields of education and biomaterials. Congratulations to Dr. Masters.

To join your fellow BED members in honoring these award winners at the BED Awards Banquet, e-mail reservations to Samantha Richerson (samantha.richerson@msoe.edu) by June 1st.