American Society for Engineering Education

Chemical Engineering Division

Business Meeting

Minutes

Wednesday, June 13, 2012 – 12:30 – 2:00 San Antonio, TX

San Antonio Convention Center, 007D

Attendees:

Baba Abdul	Washington State
Lisa Bullard	North Carolina State
Daniel Burkey	Connecticut
Shannon Ciston	UC Berkeley
Jeff Csernica	Bucknell
Kevin Dahm	Rowan
Josh Enszer	Maryland, Baltimore County
Stephanie Farrell	Rowan
Arthur Felse	Northwestern
Laura Ford	Tulsa
Allen Hersel	Trine
Priscilla Hill	Mississippi State
Tommy Knotts	Brigham Young
Daniel Lepek	Cooper Union
Thomas Marrero	Missouri
Michael Prudich	Ohio
Tim Raymond	Bucknell
Sharon Sauer	Rose-Hulman
Joe Shaeiwitz	West Virginia
David Silverstein	Kentucky
David Thiessen	Washington State
Becky Toghiani	Mississippi State
Margot Vigeant	Bucknell
Pat Walton	Michigan State
Dick Zollars	Washington State

1) Stephanie Farrell called the meeting to order. We all introduced ourselves. New officers (David Dixon, unable to attend the meeting, chair-elect; Daniel Lepek, program chair; Jeff Csernica, director) were welcomed. Outgoing officers (Margot Vigeant, past chair and program chair; Michael Prudich, director) were thanked for their service with plaques. Keisha Walters was recognized as Outstanding Faculty Woman by the Mississippi State University President's Commission on the Status of Women. A moment of silence was observed for faculty members who died in the past year: Lyle Albright (Purdue) and Edmond Ko (Carnegie Mellon). Stephanie passed the wrench to Michael Prudich, who thanked her for her service as chair and presented her a plaque.

2) Laura Ford submitted a report on the finances (page 4). We have spent all of our Operating Account money, and our BASS Account total increased.
a) What does BASS mean? Laura described the accounts as restricted (operating) and unrestricted (BASS). [They also differ in that BASS funds may carry over to another year but operating funds may not. BASS = Banking and Accounting Services System.]
b) Why is the donated awards amount greater than the awards disbursed? $500 in travel funds for the lectureship have not been reimbursed yet. We solicit extra funds to cover publicity and plaques.

3) Allen Hershel reported that we have 583 members in good standing, which is an increase of about 20 since 2009. There were 32 "new" members in 2011 and 41 "new" members in 2012. New members reported to us includes people who have been members before, so Allen's "new" members excludes returning members. About 60% are new assistant professors. Laura and Allen will coordinate to check that the membership dues we are receiving match the membership numbers that Allen receives.

4) Adrienne Minerick, who was unable to attend the meeting, submitted a written newsletter report, which is included as page 5. Joe Shaeiwitz, Michael Prudich, and Adrienne will coordinate to get the newsletter to the Summer School participants.

5) Programming
a) Margot Vigeant gave the Programming Chair report. We have six sessions this year with 26 papers and 3 posters. There were two new sessions this year: an awardee session with Stan Sandler and Keisha Walters both presenting and an open mic session on what do chemical engineers need to know in 2020 and how are we educating them to do that. We are averaging 30 people per technical session. Attendance may be down due to Summer School and expensive travel last year.
b) Daniel Lepek solicited ideas for sessions in 2013. Ideas included

- Open Mic session on nifty assignments
- Is 4 years enough for a degree?
- ChemE vs. Life Sciences
- How are you incorporating safety for ABET?
- ABET reviews under the 1st year of new criteria (Joe Shaeiwitz, session chair)
- How to get students to use available resources?
- Effective use of technology
- Unit Ops Lab Bazaar – poster session
- Research applications brought to the classroom (with Powerpoint slides provided, idea from Medical Engineering Division)
- Assessment and Dissemination of materials

c) We need a program chair for 2014 in Indianapolis. Nominations will be accepted. The schedule is roughly call for papers in August, abstracts and session titles in September, reviewing abstracts in December, and reviewing papers in January.

6) Michael Prudich gave the Awards report for Jason Keith and Valerie Young, who were not able to be at the meeting. No one was nominated for the new mentoring awards, so we plan to promote them better via the newsletter, emails, and Summer

School. The 2011/12 winners are:
CACHE Award: Stanley Sandler
William H. Corcoran Award: Margot Vigeant, Michael Prince, and Katharyn Nottis
Lifetime Achievement Award: John Prausnitz
Raymond W. Fahien Award: Keisha Walters
Chemical Engineering Division Lectureship Award: John Ekerdt
Joseph J. Martin Award: Erick Nefcy, Philip Harding, and Milo Koretsky

7) Joe Shaeiwitz gave an update on Summer School, July 21 – 27, 2012. One goal of the Summer School is starting lifelong relationships.

8) Michael Prudich distributed information from ASEE about a sustainability initiative, included as pages 6 and 7. They want comments in the next few weeks, and they've suggested that Chemical, Civil, and Environmental Divisions have a joint session in Atlanta on this topic. Shannon Ciston volunteered to be our contact person.

9) We brainstormed ideas for recruiting and involvement. Ideas included

- Get new faculty lists to encourage membership (Meet the Faculty session at AIChE, ASEE campus representative, AIChE faculty list at Texas)
- Have a day rate for conference registration
- 1 year free division membership for new faculty (didn't go over well with ASEE headquarters 3 years ago when we tried it)
- Target teaching faculty, newly promoted/tenured faculty too
- Promote the $ available from NSF for education research to deans and chairs
- Have NSF workshop at ASEE (to meet program directors)
- Include other interesting ASEE workshops (such as NSF) in the newsletter
- Learn from AIChE Student Chapters what we could do with ASEE student sections
- How can we bring in professional engineers who are interested in education?
- Advice session – panel where new people can ask for advice
- Could we provide grants to graduate students to do education research?
- Could we fund conference support similar to how we fund Summer School?
- One place to consolidate screencasts, concept inventory, and other on-line tools (Newsletter did compile a list, David Silverstein has asked for information)
- Set up a group on LinkedIn for the division

10) PIC I Report, given by Margot Vigeant
a) Session evaluations are not being done this year because nothing was ever done with the information. If we wish, we can print out the forms and do it ourselves next year.
b) We can nominate someone to be on the committee to choose the best PIC paper.
c) Dues will increase next year by $20 unless we choose to receive *Prism* electronically.
d) Some faculty have been registering for the conference as graduate students, so ASEE is considering increasing the paper fee to $550 but including a registration with it. Since we don't like the paper fee anyway, we did not encourage this solution.

11) The meeting was adjourned.

American Society for Engineering Education Chemical Engineering Division
Treasurer's Report – June 2012

BASS Account total reported October 13, 2011	**$24,114.71**
Credits	
Interest (4th Q 2011, 1st and 2nd Q 2012)	$ 91.13
Dues (September 2011 through March 2012)	$ 927.00
2011 Panel Proceedings Fees (never charged to us)	$ 300.00
2011 Awards Dinner (costs were $3,297.17)	$3,190.00
2012 Award Sponsorships	$8,200.00
	$12,708.13
Debits	
Part of web domain registration	$ 98.95
2012 Award Plaques	$ 979.70
2012 Appreciation Plaques	$ 126.00
2012 Awards	$7,000.00
	$8,204.65
Total Bass Account (May 25, 2012)	**$28,618.19**

Operating Account total reported October 13, 2011	**$ 0.00**
Credits	
2012 Fiscal Year Allocation	$ 551.00
Debits	
2012 Division Banquet Deposit	$ 500.00
Part of web domain name registration	$ 51.00
Total Operating Account (May 25, 2012)	**$ 0.00**

American Society for Engineering Education

Chemical Engineering Division

Newsletter Editor's Report (Adrienne Minerick)
June ASEE meeting, 2012

TASK: Produce Spring Newsletter in late March / early April and Fall Newsletter in late September. Adapt and include in news/articles of interest to our membership.

A. Summary of articles:

1. **FALL:**
   a. Message from the Chair
   b. Summer School Update
   c. Award Winners (Summary of winners at the division level and national level)
   d. Call for nominations for Awards (included ASEE level awards too)
   e. Invitation for Mentoring Grant Applications
   f. Call for Papers
   g. Community Announcements (this was a great idea with >10 responses)
2. **SPRING:**
   a. Message from the Chair
   b. Elections including all candidates Bio's
   c. Ad for the **http://www.asee-ched.org** webpage
   a. Summer school update
   b. Program for the Annual Meeting
   h.

B. Areas for improvement next year:

1. Fall - Target distribution date for the newsletter of Sept. 1st.
   a. Need chairs letter, community announcements, other by Aug.15th!
2. Spring- Target distribution date for the newsletter of March 15th
   a. Nominations started in February so receive statements by March 1st

C. Topics to be included in future newsletters:

1. Guest articles are always welcome – please volunteer by emailing minerick@mtu.edu
2. Feature Chemical Engineering Education articles (who is the best contact?)
3. Reminders to nominate our members for Fellow status/other ASEE level awards.

D. Increased circulation may help increase membership:

1. Ask to have these included in the ASEE Summer School CD?
2. Print copies and hand out at the ASEE Summer School (need approval for the expense)
3. Other suggestions are welcome!

Revision 6.2a of original draft

Sustainability has been defined variously as the perpetual maintenance of diverse and productive environments upon which all life depends;[1] the responsible use of resources over an indefinite period of time;[2] or "meet[ing] the needs of the present without compromising the ability of future generations to meet their own needs."[3] A sustainable future depends on a workforce of professionals knowledgeable about creating practices, processes, and infrastructure to optimize resource management, and on a community informed about the ethics and influence of human activity on the integrated environmental, economic and social aspects of sustainability. For these reasons our societies believe that STEM education, both formal and informal, is key to developing the knowledge, the technology, the skills, the motivation, and the policies needed for a sustainable future. STEM educators have a unique responsibility to contribute to a more sustainable future by including information about our shared sustainability challenges and how STEM-knowledgeable people can contribute to solutions.

[Your society name here], together with XX other disciplinary societies in science, technology, engineering, and mathematics (STEM), recognizes that human activities and use of natural, human and economic resources are affecting individuals and societies and will continue to have an effect in the future. Both professionals and members of the general public have the ability to develop and implement innovative strategies and technologies that will mitigate our negative impact. Recognizing the importance of education, [your society name here] supports the inclusion of educational themes in our STEM classrooms that will lead to a greater understanding of natural systems, sustainable resource utilization and development, and improved human health and wellbeing.

We encourage all disciplinary societies

1. to adopt or approve the statement above;

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1 Renewable Natural Resources Foundation

2 National Association of Biology Teachers

3 World Commission on Environment and Development

2. to use it to draft position or policy statements on the importance of sustainability education in their disciplines; and
3. to use this statements in their government affairs and public policy activities on behalf of STEM and STEM education.