

ASEE 2007  
K-12 Engineering Division Business Meeting  
Tuesday, 26 June 2007  
Session 2667 4:30-6:00 p.m.  
Hawaii Convention Center 324  
Moderator(s): Christine Cunningham, Boston Museum of Science

**Agenda**

0. **Call to order at 4:32 pm.** Christine Cunningham, K-12 chair, opened the meeting by circulating the agenda and various pieces of information to be discussed during the meeting. Those in attendance were as follows:

|                      |                              |  |
|----------------------|------------------------------|--|
| Taryn Bayles         | Univ. of MD Baltimore County | <a href="mailto:tbayles@umbc.edu">tbayles@umbc.edu</a>                               |
| Macon Beck           | Purdue University            | <a href="mailto:mbeck2@purdue.edu">mbeck2@purdue.edu</a>                             |
| Kurt Becker          | Utah State Univ.             | <a href="mailto:kbecker@cc.usu.edu">kbecker@cc.usu.edu</a>                           |
| Laura Bottomley      | NC State                     | <a href="mailto:laurab@eos.ncsu.edu">laurab@eos.ncsu.edu</a>                         |
| Sean Brophy          | Purdue University            | <a href="mailto:sbrophy@purdue.edu">sbrophy@purdue.edu</a>                           |
| Eugene F. Brown      | Virginia Tech                | <a href="mailto:brown@vt.edu">brown@vt.edu</a>                                       |
| Monica Cardella      | Stanford/CASEE/Purdue        | <a href="mailto:cardella@stanford.edu">cardella@stanford.edu</a>                     |
| John Carpinelli      | NJIT                         | <a href="mailto:carpinelli@njit.edu">carpinelli@njit.edu</a>                         |
| Christine Cunningham | Museum of Science, Boston    | <a href="mailto:ccunningham@mos.org">ccunningham@mos.org</a>                         |
| Heidi Diefes-Dux     | Purdue University            | <a href="mailto:hdiefes@purdue.edu">hdiefes@purdue.edu</a>                           |
| Daphne Duncan        | Purdue University            | <a href="mailto:dduncan@purdue.edu">dduncan@purdue.edu</a>                           |
| Kristen Farore       | ASEE                         | <a href="mailto:k.farore@asee.org">k.farore@asee.org</a>                             |
| Charles Feldhaus     | IUPUI                        | <a href="mailto:cfeldhau@iupui.edu">cfeldhau@iupui.edu</a>                           |
| Richard Gilbert      | Univ. of South Florida       | <a href="mailto:gilboot@eng.usf.edu">gilboot@eng.usf.edu</a>                         |
| Alene Harris         | Vanderbilt Univ.             | <a href="mailto:alene.harris@vanderbilt.edu">alene.harris@vanderbilt.edu</a>         |
| Kate Hester          | Museum of Science, Boston    | <a href="mailto:khester@mos.org">khester@mos.org</a>                                 |
| Liesl Hotaling       | Stevens Institute of Tech    | <a href="mailto:Liesl.hotaling@stevens.edu">Liesl.hotaling@stevens.edu</a>           |
| Ken Hunter           | Tennessee Tech Univ.         | <a href="mailto:KHunter@tntech.edu">KHunter@tntech.edu</a>                           |
| Margaret Hunter      | Hofstra Univ.                | <a href="mailto:eggmah@hofstra.edu">eggmah@hofstra.edu</a>                           |
| Stacy Klein          | Vanderbilt Univ.             | <a href="mailto:stacy.s.klein@vanderbilt.edu">stacy.s.klein@vanderbilt.edu</a>       |
| Paul Klenk           | Duke University              | <a href="mailto:pak@duke.edu">pak@duke.edu</a>                                       |
| Robin Little         | Jamerson Elementary          | <a href="mailto:little@pcsb.org">little@pcsb.org</a>                                 |
| Jed Lyons            | Univ. South Carolina         | <a href="mailto:Lyons@sc.edu">Lyons@sc.edu</a>                                       |
| John Mativo          | University of Georgia        | <a href="mailto:jmativo@uga.edu">jmativo@uga.edu</a>                                 |
| Chris Merrill        | Illinois State Univ.         | <a href="mailto:CPMerri@ilstu.edu">CPMerri@ilstu.edu</a>                             |
| Tamara Moore         | University of Minnesota      | <a href="mailto:tamara@umn.edu">tamara@umn.edu</a>                                   |
| Don Newsom           | Orange Lutheran Online       | <a href="mailto:d.e.newsom@comcast.net">d.e.newsom@comcast.net</a>                   |
| Stanley Onye         | UDC                          | <a href="mailto:Sonye@udc.edu">Sonye@udc.edu</a>                                     |
| Euridice Oware       | Purdue University            | <a href="mailto:oware@purdue.edu">oware@purdue.edu</a>                               |
| Liz Parry            | NC State                     | <a href="mailto:eaparry@ncsu.edu">eaparry@ncsu.edu</a>                               |
| Larry G. Richards    | Univ. of Virginia            | <a href="mailto:lgr@virginia.edu">lgr@virginia.edu</a>                               |
| Nancy Shaw           | Duke University              | <a href="mailto:nshaw@duke.edu">nshaw@duke.edu</a>                                   |
| Bob Stwalley         | Purdue University            | <a href="mailto:rms3@purdue.edu">rms3@purdue.edu</a>                                 |
| Jackie Sullivan      | CU-Boulder                   | <a href="mailto:Jacquelyn.sullivan@colorado.edu">Jacquelyn.sullivan@colorado.edu</a> |

|                  |                       |  |
|------------------|-----------------------|--|
| Joseph Sun       | Univ. of Pennsylvania | <a href="mailto:sunj@seas.upenn.edu">sunj@seas.upenn.edu</a>                     |
| Roger Tormoehlen | Purdue University     | <a href="mailto:torm@purdue.edu">torm@purdue.edu</a>                             |
| Gary Ybarra      | Duke University       | <a href="mailto:gary@duke.edu">gary@duke.edu</a>                                 |
| Janet Yowell     | CU-Boulder            | <a href="mailto:janet.yowell@colorado.edu">janet.yowell@colorado.edu</a>         |
| Mindy Zarske     | CU-Boulder            | <a href="mailto:malinda.schaefer@colorado.edu">malinda.schaefer@colorado.edu</a> |

### Officer reports

1. Secretary/Treasurer – Teri Reed-Rhoads – The minutes from 2005 and 2006 are presented for approval. Bob Stwalley moved and Liz Parry seconded the approval. Motion passed. The Bass Account has \$8,961.98 and the Operating Account has \$439.00 as of 4/30/07. The operating account will be swept on October 1 OR we can designate that the remaining funds go toward the ASEE Teaching Award.
2. We have 665 members which puts us 13 out of the 49 Division. We have 5.4% of the total membership and we are 40% women which is 3<sup>rd</sup> of all divisions.
3. Program Chair for ASEE 2007 (Honolulu, HI, 24 – 27 June 2007) Programs – Ken Hunter – There were two workshops accepted and one was held and one was canceled due to low attendance. 112 abstracts were submitted, 76 accepted, with 66 papers being presented. We had a session in every time slot. We co-sponsored two K-12 sessions and there were 3 divisions that had sessions labeled as K-12 or outreach. 59 reviewers participated in the review process – thanks to all who participated. The goal was that every paper was to be reviewed 3 times. There were 2 types of reviewers; K-12 folks and university folks. The ratio was 2 university persons to 1 K-12 person. The reviews were dichotomous essentially by type of reviewer. We need to discuss how to service all members of our division and be deliberate about our plan.

Ken was thanked by those in attendance for a job well done.

4. Program Chair for ASEE 2008 (Pittsburgh, PA, 22 – 25 June 2008) Programs – Stacy Klein. Call for Papers is out. Stacy would like to hear suggestions for next year's meeting. There was a discussion about the poster sessions and how well they are going to be attended by both authors and participants. Need to make sure that we are going to get people here by not accepting papers and posters. Continued discussion about accommodating both constituencies. Suggestion of doing outreach on data collection. Discussion was held on length of time per paper and pros and cons were discussed.
5. Vice-Chair for ASEE 2009 (Austin Texas, June 14-17, 2009) Programs - Michael DeMiranda

### Committee reports

6. Nominating Committee - K-12 elections – announced by Laura Bottomley  
 Chair-Elect: Teri Reed-Rhoads, Purdue  
 Member At-Large: Liz Parry, North Carolina State  
 Aaron Clark, North Carolina State  
 Program Chair: Michael DeMiranda, Colorado State  
 Thanks to those who also ran!
7. Program Committee – no report needed.

8. By-laws Committee – The By-Laws were overwhelmingly approved in the election process. The Awards Committee will be discussed a later.

9. Announcements –

A request was made by John M. Mativo of Ohio Northern University that a survey be filled out by K-12 participants to provide their definition of engineering education in a three division comparison. There was a discussion that several persons overlap these three divisions. This study will not differentiate people who overlap, and all persons were asked to fill out the survey even if they had already done so in another division. This survey will be posted on our website for members to take.

What do children think about engineers – if anyone is doing research along these lines, please contact Euridice Oware at [oware@purdue.edu](mailto:oware@purdue.edu).

An announcement was made about obtaining an “Engineering” row at the NCTMA and NCSTA. We need 20 organizations to participate and information on cost and dates will be distributed via the list serve directly following the meeting. Macon Beck can be contacted at [mbeck2@purdue.edu](mailto:mbeck2@purdue.edu) for information and to indicate participation.

10. PIC IV report – Mary Anderson-Rowland, ASU – The Emerging Trends session is being discussed for revision. The division should discuss what they would like to see happen in this session. The current proposal is that all good abstracts are accepted. At the paper stage, then the division can decide to place extra papers in the poster session or due to other reasons such as too many papers on one topic. This is not a second class paper depository. If a paper is still good but does not fit our division or the next that we recommend, this paper might be moved to the Emerging Trends session. The “publish to present” policy will always be held to. There is now a requirement of \$40,000 for endowed awards and you can only spend 4% of the endowment each year. Operating funds will be gone by October 1. It is now more difficult to use these funds due to the limitations. It can be used for Awards. You can designate to the ASEE Teaching Award. There are 2,230 registrants at this conference. 2,072 are prime registrants – there are very few walk-ins (41). Attendance is down about 200. However, hotel reservations were up. There were 2,761 abstracts submitted (307 higher than last year) 2,378 abstracts accepted (527 higher than last year). 1,739 papers accepted (167 more than last year) – 1,626 published papers which are up from last year (160 more than last year). There were more meeting rooms available this year and the same is expected in Pittsburgh. Mary encouraged the program chair to ask for as many sessions as we need. The room availability will be just as good next year as it was this year. The Distinguished Lecturer recommendations are also due to PIC IV. Please find out speakers fee in advance. Distinguished Lecturers and Plenary speaker nominations need to be turned into Mary by September. Get reservations early for Pittsburgh where the hotel will be connected to the convention center.

## Old Business

### New Business

11. Plans for next year. K-12 positions to be filled – K-12 Representative, Communications Coordinator, Secretary/Treasurer, Awards Committee

Nominations were sought for Awards Committee members. The goal of this year is to write criteria and have it approved by ASEE.

Webmaster nominations were sought. We can use the divisions operating budget to pay for our own URL. The purpose was discussed. Archive minutes from meetings, keep track of past officers, put assessment repository on the website, etc. Feature presentations made at NCTM, ASTM, etc. Can we ask ASEE K-12 Center site to host our division website? Kristin will discuss with Eric at ASEE.

Looking for a Pittsburgh site coordinator to help with location of social event.

Distinguished Lecturer proposal will be coordinated by Ken Hunter. Suggestions for speakers were solicited. Someone to discuss standards was recommended. Ioannis Miaoulis, Boston Museum of Science was suggested.

By-laws committee needs one more person as well.

Goal is to get time for committees at end of the business session and to get more people involved in the division.

Headquarters Liaison Committee was created last year. One goal was to coordinate the pre-conference workshop. Larry Richards has volunteered and been accepted.

12. K-12 Representative – Vacant

13. Communication Coordinator – Vacant

14. Meeting adjourned at 5:37 pm. The next K-12 Division Executive Board Meeting will be held at ASEE 2008, Pittsburgh, PA. Tuesday, June 24, 4:30 to 6:00 pm, location to be announced.

Respectfully submitted by Teri Reed-Rhoads