

# American Society for Engineering Education



## Chemical Engineering Division

---

### *Summer Executive Committee Meeting*

### Minutes

Monday, June 27, 2011 – 7:00-8:15 AM, Vancouver, BC

Vancouver Convention Centre, Room 110

Attendees: Taryn Bayles, Lisa Bullard, Stephanie Farrell, Laura Ford, Allen Hersel, Jason Keith, Randy Lewis, Michael Prudich, Joe Shaeiwitz, David Silverstein, Mahbub Uddin, Margot Vigeant, and Phil Wankat

Written reports submitted at the meeting are at the end of these minutes.

0. Welcome – Margot started the meeting at 7:00 and asked us all to introduce ourselves.
1. We observed a moment of silence for chemical engineering educators who had died in the past year.
2. Margot passed out bookmarks with chemical engineering conference events (put together by Adrienne Minerick). Big events (banquet, lectureship, etc.) are on the front and all sessions are listed on the back. These will be passed out at all chemical engineering sessions to encourage attendance at future events and sessions.
3. Minutes from the November 2010 Executive Committee Meeting were distributed by Laura via email. The minutes were approved.
4. Laura distributed a financial report (at the end of these minutes). Our division received an internal grant from ASEE for our new mentoring awards. The grant has not been deposited in our account, though. There was also a question as to whether we received all of the money charged for banquet tickets (including the \$10 for late tickets). Laura will check when the money is deposited in our account and will follow up on the missing grant money.
5. Allen gave a membership report. He no longer automatically receives a monthly report on division membership, but he can get one on request. We have  $660 \pm 10$  members, as we have for a long time. He asked for what we would like for him to do since his previous activities were based on the monthly reports. We do not want him to send reminder emails to people who have let their dues lapse. The goal is to keep our membership at least constant but to get people more involved. It was decided that we want him to contact new members (truly new members, not just those who let membership lapse) to encourage them to come to the conference and to meet them at the conference and encourage them to participate.
6. Jason presented an awards report (at the end of these minutes). There was discussion about how we did advertise and how we should advertise the new mentoring awards. This year we advertised in the newsletter and Jason contacted all new authors. We did not send a message to the department chairs since the awards were approved after the abstract deadline. In general, the awards have very few nominees. Chemical Engineering Education will run a one-page ad about the new awards; Jason will get the information to Phil. We do want to send information to the department chairs about the new awards.

7. Adrienne Minerick was unable to present the Newsletter report since she was chairing a chemical engineering session at the same time as this meeting, but she did bring by a written report read by Laura. The written report is at the end of the minutes. The newsletter has normally been distributed as an email attachment, but ASEE has limited the size of email messages to our distribution list to about 100 KB. We can't send much more than plain text. In the spring the email message had a link to the newsletter on our website, so people had to take an extra step to read the newsletter. Margot and Allen both can use our membership list to create a mailing list and send the newsletter as an attachment again. Adrienne asked several questions in her report. We do want to send the newsletter to chemical engineering department chairs but not chemistry department chairs. We do not want to print copies and send to new faculty in chemical engineering or chemistry departments. We do want to distribute paper copies at the AIChE meeting, including the department chairs meeting. Randy will work on getting us on the agenda and making the presentation. We do want to distribute at the Summer School, but it might be best to do a special issue targeted towards new members. Maybe this issue should include the abstracts of all Martin nominees. We do not want to distribute to regional meetings.
8. Laura also read an out-going program chair's report from Adrienne. A major issue was that the ASEE central office did not like the number of special/panel sessions that we held. According to the PIC meeting, there will be new rules for panel sessions and we will get only one next year. Are other divisions in trouble for their special sessions? We want to keep the special sessions. We did not submit a nomination for the distinguished lecture (different from the Chemstations Lectureship). We would probably be most successful if 2 or 3 divisions got together to nominate someone. The central office also had the idea of a "work-in-progress" paper, one that would be shorter and could be submitted to Chemical Engineering Education later. ASEE is cracking down on republication, even within ASEE. We did not see much advantage to a work-in-progress paper since the publication fee would be the same. Mahbub Uddin from Trinity University in San Antonio was introduced to the group as a local contact for the next ASEE conference. Some ideas for the awards banquet are a restaurant within walking distance from the Riverwalk or the faculty club at Trinity University (would require transportation – carpooling probably won't work since Laura may be the only one driving to the conference). Restaurants will want a guaranteed number, and we would like to keep the cost between \$50 and \$65. Margot will send Mahbub an email message with criteria, and he'll put together a proposal in time for the AIChE meeting.
9. Joe gave a report on the progress for the Summer School. He had a draft of the website on his thumb drive. Jennifer Sinclair-Lewis is working on fundraising, and she has 4 companies committed at \$25,000 each: ExxonMobil, Corning, Air Products, and BP. We are hoping for \$100,000 from the National Science Foundation, and several companies have not turned us down yet. Randy will modify the schedule to fit some of the funder's requirements, and the schedule will be set by the AIChE meeting. The call for workshop generated 47 submissions, and they will let the selected presenters know in 2 or 3 weeks. Greg and Kim Ogden are working on activities, including a few day trips and different activities for spouses and kids. We may have a conference call in September with details before AIChE. Several schools are interested in paying for all of their assistant professors to attend. We could accommodate maybe 200 people and presenters. There is room on campus for 1500 people.
10. David discussed our interface with the AIChE Education Division. They are working to promote ASEE within AIChE. The ASEE chair can have an article in the AIChE division newsletter, and they promote the Summer School. There are 200 members of the division, which was formally approved in the spring.
11. Margot had several small pieces of information, including some from the PIC meeting.
  - a. The PIC I group drafted a rubric for choosing the best paper. We may choose to use it after it has been approved.

- b. ASEE wants written comments about Monolith. We can email them to Stephanie Adams. The \$500 grant program for new ideas that might benefit our division will occur again this year.
  - c. Wednesday is ABET day – there will be many sessions on ABET.
  - d. We received a request from the Science, Math, and Engineering Student of the Year program to judge the chemical engineering competition for them. Taryn will be one of the judges. There are 11 chemical engineering papers. Since the judging is in Washington DC, Margot found people near the area to do the judging, and we'll see if it is something we want to do again in the future.
  - e. We have a Facebook page! ASEE will create an email for the division chair that we could use as the contact email for Facebook.
  - f. Gamification: Margot created Cheme Kudos (at the end of the minutes) that we can earn at the conference this year. Each achievement is an orange slip of paper: Double Duty, Day Tripper, Hat Trick, Like!, Super Star, and Hipster.
12. Final reminders: Bookmarks, Awards banquet walking meeting place, and Tuesday dinner.
13. The meeting was adjourned at 8:22.



American Society for Engineering Education Chemical Engineering Division  
Treasurer's Report – June 2011

**BASS Account total reported June 2010** **\$25,626.80**

## Credits

Interest (3 <sup>rd</sup> Q 2010 – 2 <sup>nd</sup> Q 2011)	\$ 116.69
3 <sup>rd</sup> Quarter 2010 Dues	\$ 330.00
4 <sup>th</sup> Quarter 2010 Dues	\$ 354.00
1 <sup>st</sup> Quarter 2011 Dues	\$ 231.00
2 <sup>nd</sup> Quarter 2011 Dues	\$ 561.00
3 <sup>rd</sup> Quarter 2011 Dues (April only)	\$ 159.00
2010 Banquet Tickets	\$3185.00
Eastman Sponsorship of Corcoran Award	\$2000.00
CACHE Award Sponsorship	\$1200.00
Chemstations Sponsorship of Lectureship	<u>\$5000.00</u>
	\$13,136.69

## Debits

2010 Lectureship travel reimbursement	\$ 500.00
2010 Division banquet expenses (+\$950 paid previously)	\$1885.00
2011 Division banquet deposits	\$1581.87
2011 Panel Proceedings Fees	\$ 300.00
2011 Award Plaques (partial)	\$ 452.57
2011 Appreciation Plaques	\$ 204.05
2011 Awards	\$7900.00
Banquet ticket reimbursement for 2011 award winners	<u>\$ 385.00</u>
	\$13,208.49

**Total Bass Account (June 23, 2011)** **\$25,555.00**

**Operating Account total reported June 2010** **\$108.61**

### Credits

2011 Allocation	\$584.00
-----------------	----------

### Debits

May 13, 2010 Conference Call	\$ 22.76
Forfeit of 2010 allocation not spent	\$ 85.85
Corcoran Award conference call	\$ 16.47
2011 Award plaques (partial)	\$567.53

**Total Operating Account (June 23, 2011)** **\$ 0.00**

**2011 Awards Chair Report  
ASEE Chemical Engineering Division**

The division proudly announces its 2011 awards winners:

**Lifetime Achievement Award: Ronald Miller**  
**William H. Corcoran Award: David Silverstein and Gifty Osei-Prempeh**  
**Ray W. Fahien Award: Adrienne Minerick**  
**CACHE Award: Michael Hanyak**  
**Division Lectureship Award: Richard Noble**  
**Joseph J. Martin Award: Lisa Bullard, Donald Visco, David Silverstein, and Jason Keith**  
**Best Poster Award: no poster session in 2010**  
**ChE Division Graduate Student "Future Faculty" Grant: Debra Gilbuena**  
**ChE Division Mentoring and Travel Grant for New Attendees: Matthew Liberatore**  
**ChE Division "Engineering Education" Mentoring Grant: Daniel Lepek**

The division also gratefully acknowledges the continued support of Chemstations (Lectureship Award), Eastman Chemical (Corcoran Award), and CACHE (CACHE Award).

The selection committees were all very impressed with the quality of the nominees and pleased with the winners, but noted concerns about the low number of total nominees. All division members are encouraged to nominate colleagues next year.

**Lifetime Achievement Award:** recognizes a sustained career of pedagogical scholarship that not only caused innovative and substantial changes, but also inspired younger educators to new behaviors that benefit students in Chemical Engineering.

**CACHE Award:** presented for significant contributions in the development of computer aids for chemical engineering education.

**Ray W. Fahien Award:** given to an educator in the first ten years of his/her professorial career who has shown evidence of vision and contribution to chemical engineering education.

**Lectureship Award:** presented to a distinguished engineering educator to recognize and to encourage outstanding achievement in an important field of fundamental chemical engineering theory or practice.

**ChE Division Graduate Student "Future Faculty" Grant:** eligibility includes all current graduate students in a chemical engineering or related program; must be nominated by a faculty member who is a member of ASEE.

**ChE Division Mentoring and Travel Grant for New Attendees:** Eligibility includes all chemical engineering or chemistry faculty who have not attended an ASEE Annual Conference.

**ChE Division "Engineering Education" Mentoring Grant:** Eligibility includes all chemical engineering or chemistry faculty who have not attended an ASEE Annual Conference in the past five years.

# American Society for Engineering Education



## Chemical Engineering Division

---

### Newsletter Editor's Report (Minerick)

June ASEE meeting, 2011

***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 / topics:

##### 1. **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

##### 2. **FALL:**

- a. Message from the Chair
- b. Award Winners (Summary of winners at the division level and national level)
- c. Call for nominations for Awards (included ASEE level awards too)
- d. Call for Papers
- e. New Division Awards Announced

#### B. Topics to be included in future newsletters:

1. Guest articles
2. Feature Chemical Engineering Education articles (and vice versa to improve this relationship)
  - a. Need recommended features.
3. Reminders to nominate our members for Fellow status/other ASEE level awards.

#### C. Increased circulation may help increase membership:

1. Send to department heads in both chemistry and chemical engineering? *yes*
- No* 2. Print copies and send to new faculty in both chemistry and chemical engineering?
- Yes* 3. Feature at the Summer School?
- No* 4. Circulate to regional meetings – include paper copies in program book or ask that it be included on electronic distributions (CDs, etc.)

# American Society for Engineering Education

## Chemical Engineering Division

---

### Outgoing Program Chair's Report (Minerick)

June ASEE meeting, 2011

**GOAL: Continue professionalism and quality of prior program chairs. Proactively work to counter the drop in contributions and published articles through advertising and exciting programming ideas.**

- A. We revamped the Call for Papers to include a broad call along with targeted recruitment by special session organizers.
- Under this call, we allowed contributors to submit independent articles (listed separately with unique paper code) or to submit an extended abstract to the session organizer that was grouped into one article (one paper code for multiple contributions).
    - ASEE Central did not like this because they felt we were trying to get around paying the paper publication fees. Many session requests were initially denied. Negotiations enabled us to get the sessions we have, but resulted in non-ideal timing for meetings, etc. (my apologies).

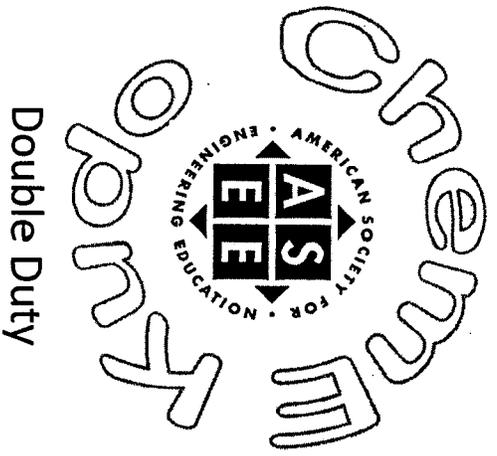
**RECOMMENDATION #1: Continue the targeted recruitment into special sessions.**

**Ask everyone to submit independent manuscript.**

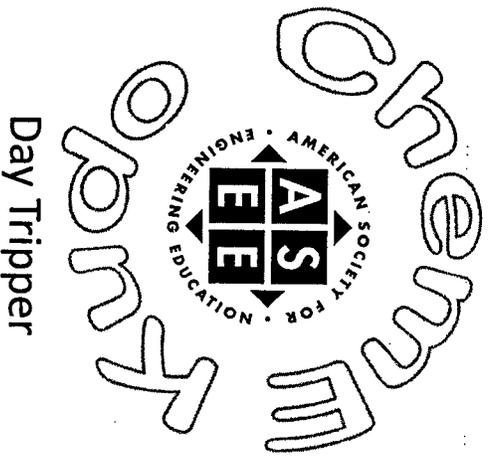
**RECOMMENDATION #2:** ASEE encourages panels whereby the panelists are arranged in Oct and the panelists write a short paper. The session is then a dialogue.

**Brainstorm hot topics now & recruit organizer who also acts as a panel member.**

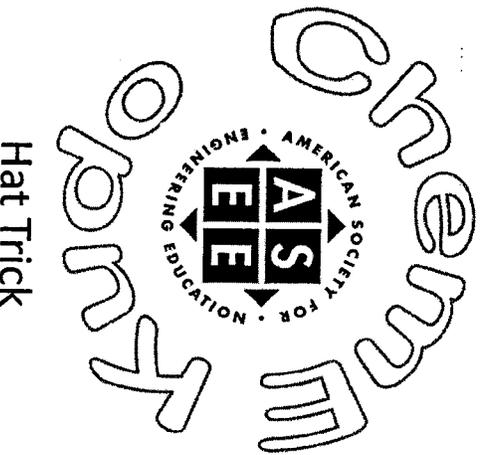
- B. Abstract Submission Phase Oct. 2010
- We received 90 abstracts, they were each reviewed 3X and we accepted all abstracts
- C. Paper Submission Phases, January - March 2011
- We received 75 draft papers. We accepted and finalized 55 into the program. This is an increase from 36 in 2010.
  - The same people reviewed the abstract and the paper so if comments were not addressed, decisions could be made. *A special THANK YOU to the 70 reviewers who donated their time and provided valuable feedback!*
- D. Session Assignments, March 2011
- Papers were organized into 11 technical sessions, 1 award session, and 1 poster session. 5 of these were special sessions. 3 meeting sessions and 1 dinner session.
  - My apologies for missing the deadline to assign moderators.
- E. Monolith, the paper submission interface was labor intensive (1 work-flow pattern requiring too many mouse clicks) and the chairs had very little power to update/address issues.
- For authors, the final approval of papers was confusing – we may have lost ~5 papers from the final program due to this.
  - Monolith will likely improve and be less labor intensive this next year.
- F. Workshops
- We had one workshop proposal. Too few individuals were registered by March, so we deleted it from the schedule. **RECOMMENDATION:** Marketing workshops are necessary to get registrants.
- G. Distinguished Lecture Nomination
- We did not submit a nomination. This could be an opportunity for next year.



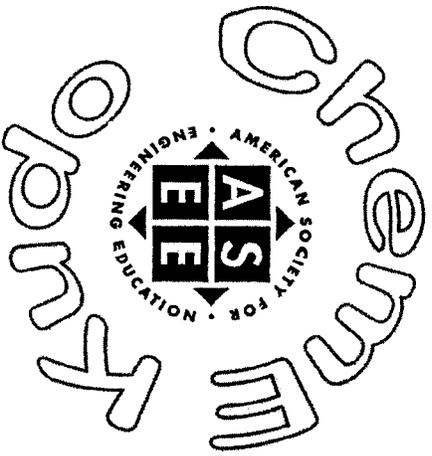
Double Duty



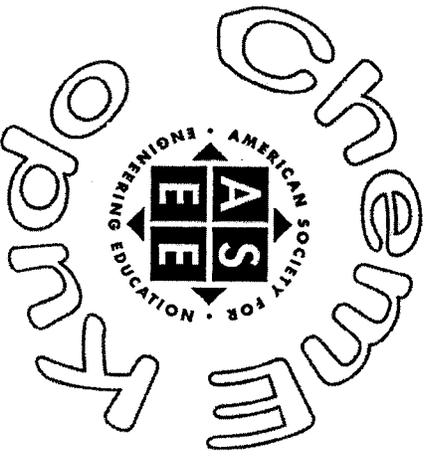
Day Tripper



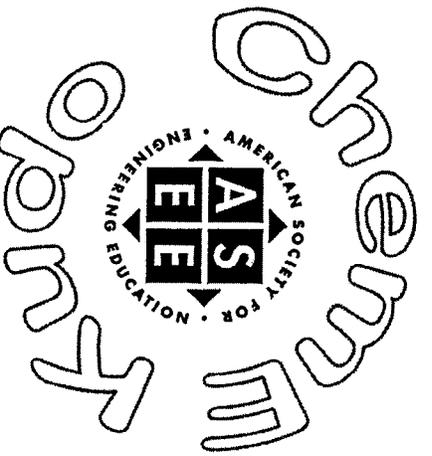
Hat Trick



Like!



Super Star



Hipster

- Double Duty: Member of Ed. Div. AIChE AND ChED of ASEE
- Day Tripper: Every ChED event in a single day
- Hat Trick: Three consecutive ChED events
- Like!: Become/ are a Facebook fan of AIChE Education Division / ASEE ChemE Division
- Hipster: Demonstrate you "get" achievements by asking for this one.
- Super Star: Any four achievements plus Awards Dinner

- Double Duty: Member of Ed. Div. AIChE AND ChED of ASEE
- Day Tripper: Every ChED event in a single day
- Hat Trick: Three consecutive ChED events
- Like!: Become/ are a Facebook fan of AIChE Education Division / ASEE ChemE Division
- Hipster: Demonstrate you "get" achievements by asking for this one.
- Super Star: Any four achievements plus Awards Dinner

- Double Duty: Member of Ed. Div. AIChE AND ChED of ASEE
- Day Tripper: Every ChED event in a single day
- Hat Trick: Three consecutive ChED events
- Like!: Become/ are a Facebook fan of AIChE Education Division / ASEE ChemE Division
- Hipster: Demonstrate you "get" achievements by asking for this one.
- Super Star: Any four achievements plus Awards Dinner

- Double Duty: Member of Ed. Div. AIChE AND ChED of ASEE
- Day Tripper: Every ChED event in a single day
- Hat Trick: Three consecutive ChED events
- Like!: Become/ are a Facebook fan of AIChE Education Division / ASEE ChemE Division
- Hipster: Demonstrate you "get" achievements by asking for this one.
- Super Star: Any four achievements plus Awards Dinner

- Double Duty: Member of Ed. Div. AIChE AND ChED of ASEE
- Day Tripper: Every ChED event in a single day
- Hat Trick: Three consecutive ChED events
- Like!: Become/ are a Facebook fan of AIChE Education Division / ASEE ChemE Division
- Hipster: Demonstrate you "get" achievements by asking for this one.
- Super Star: Any four achievements plus Awards Dinner

- Double Duty: Member of Ed. Div. AIChE AND ChED of ASEE
- Day Tripper: Every ChED event in a single day
- Hat Trick: Three consecutive ChED events
- Like!: Become/ are a Facebook fan of AIChE Education Division / ASEE ChemE Division
- Hipster: Demonstrate you "get" achievements by asking for this one.
- Super Star: Any four achievements plus Awards Dinner