

**FIE 2005 ERM Board Meeting
WEDNESDAY, OCTOBER 19, 2005
6:30PM TO 8:30PM
WESTIN HOTEL, INDIANAPOLIS, IN
Room: CHAMBER ROOM**

**Minutes
Submitted by Teri Reed Rhoads**

0. Call to order was at 6:35 p.m. Larry Richards, ERM chair, opened the meeting by circulating the agenda and various pieces of information to be discussed during the meeting. These have been scanned and appear on the website with copies of these minutes. Introductions of those in attendance were completed. Those in attendance were as follows:

Mary Besterfield-Sacre	University of Pittsburgh	mbsacre@engr.pitt.edu
Maura Borrego	Virginia Tech	mborrego@vt.edu
Roni Burrows	Arizona State University	burrows@asu.edu
Jenna Carpenter	Louisiana Tech University	jenna@oces.latech.edu
Eileen Cashman	Humboldt State	emc7001@humboldt.edu
Mario H. Castro-Cedeno	MIT	mccmet@mit.edu
Sandra Courter	University of Wisconsin-Madison	courter@engr.wisc.edu
Chyrys Demetry	WPI	cdemetry@wpi.edu
Heidi Diefes-Deux	Purdue University	hdiefes@purdue.edu
Julie Ellis	University of Southern Maine	jellis@usm.maine.edu
Cindy Finelli	University of Michigan	cfinelli@umich.edu
Norman Fortenberry	NAE	nfortenb@nae.edu
Trevor Harding	Kettering University	tharding@kettering.edu
John Heywood	Trinity College Dublin	inseredu@tcd.ie
Brian Hodgkin	University of Southern Maine	Hodgkin@usm.maine.edu
P.K. Imbrie	Purdue University	imbrie@purdue.edu
Jennifer Kadlowec	Rowan University	kadlowec@rowan.edu
Wendy Knapp	UMN	knap0097@umn.edu
Richard Layton	Rose-Hulman	Layton@rose-hulman.edu
Roy McGrann	Binghamton University	mcgrann@binghamton.edu
John Merrill	Ohio State University	Merrill.25@osu.edu
Tamara Moore	Purdue University	tmoore@purdue.edu
Bill Oakes	Purdue University	oakes@purdue.edu
Teri Reed Rhoads	University of Oklahoma	teri.rhoads@ou.edu
Larry G. Richards	University of Virginia	lgr@virginia.edu
Dave Rogers	North Dakota State University	david.rogers@ndsu.edu
Karl Smith	University of Minnesota	ksmith@umn.edu
Eric Soulsby	University of Connecticut	eric.soulsby@uconn.edu
Ruth Streveler	Colorado School of Mines	rstrevel@mines.edu
Chris Taylor	Milwaukee School of Engineering	taylor@msoe.edu
Alisha A. Waller	National Academy of Engineers	awaller.ie87@gtalumni.org
Sandy Yost	University of Detroit Mercy	yostsa@udmercy.edu

Officer reports

1. Secretary/Treasurer – Teri Reed Rhoads - Minutes from ASEE 2004, ASEE 2005 were approved at this time. Trevor moved to accept all minutes from 2005 and Heidi seconded, motion passed. Heidi moved to accept all minutes from 2004 and Sandy seconded, motion passed. Treasurer report – Started the fiscal year with \$69,242.67 (\$62,114.31 was start for prior year) – Ending BASS Account as of 7/31/05 is \$74,263.29. There are no funds remaining in the Operating Account (we started fiscal year with \$1,327.00). ERM is no longer sending funds for FIE to Mary Heberling. We are behind in paying Dan Budny \$1,000 for website maintenance and otherwise, no other outstanding debt is known.
2. Vice Chair for ASEE 2006 Programs (Chicago, Illinois, June18 – 21, 2006) - Cindy Finelli – The abstracts were submitted with new process – Smoothpaper – 172 abstracts submitted. This number is similar to 2 years ago. Seventy persons agreed to review abstracts so all were reviewed by 3 people. Sixteen sessions were requested from ASEE headquarters. Fourteen workshop proposals were submitted and reviewed by 2 to 3 reviewers and 9 were forwarded to ASEE for consideration in the final program. Three workshops were proposed to be Co-sponsored and 3 sessions were proposed to be Co-sponsored. Discussion ensued on number of technical sessions to be granted. A number of sessions were held back by ASEE Headquarters this year to do a slight reallocation. ASEE only guaranteed one less session than each division had last year. There is one session at 8:30 in the morning that is being held for each division to have a poster session. We have until this Friday to request a poster session for the ERM Division. The new system has had a number of problems though Headquarters is trying to correct every mistake as it is reported.
3. Vice Chair for ASEE 2007 Programs (Honolulu, Hawaii, June24 – 27, 2007) Dan Budny – Absent
4. Vice Chair for FIE 2005 (Indianapolis Indiana, October 19 – 22, 2005) Heidi Diefes – Dux – No specific numbers to report at this time. ERM had less than 1/3 of the total papers submitted, which is considered odd. She does not feel like ERM had a good representation of papers at this conference. There were logistical issues that the Steering Committee is trying to fix. We had 7 workshops conducted today. A lot of WIPs were accepted. Alisha Waller reported as the Special Sessions Chair and felt the response was strong this year. It is a strand that is in the same room, all day every day. Ron Miller will be the Special Sessions Chair for 2006.
5. Vice Chair for FIE 2006 (San Diego California, October 28 - November 1, 2006) Beth Eschenbach with Susan Lord as the ERM general chair – both were absent. FIE 2006 abstracts are due January 16th; go to <http://fie.engrng.pitt.edu/fie2006/> ("Authors")

6. Vice Chair for FIE 2007 (Milwaukee, WI, October 10 – 13, 2007) Doug Schmucker, Russ Meier is the general chair, and Special sessions chair will be Wendy Newstetter – all were absent.
7. Vice Chair for Publications Dan Budny – Larry reported for Dan on ***delinquent IEEE copyright forms, we have many forms needed and each session chair has been asked to gather this form prior to the speakers talking in each session. People need to double check if they are a session chair. If members attend a session that has no chair, they were encouraged to step up and help out.***
8. Vice Chair for Teacher Development - Ruth Streveler – Ruth reported that Mike Pavelich conducted a workshop this fall at the University of Nevada – Reno. The institution was asked foot the whole bill, and they did.

Additional Reports:

9. FIE 2005 Host Committee Charlie Yokomoto, Bill Oakes, Dave Voltmer – Absent.
10. FIE Steering Committee, ERM representatives P.K. Imbrie, Dan Moore, Bill Oakes - Bill and P.K. were present - Bill reported that there were 392 papers at this conference. This year's committee took a retrospective approach and concentrated on getting a sense of the FIE history. There will be 4 people honored that were at FIE 37 years ago and there will be a special session on Saturday morning highlighting these persons. This is a neat way to honor these people. The third session on Friday is devoted entirely to Works in Progress (WIPs). Feedback is requested on this session. There is no "late session" on Saturday. There will be a door prize drawing for those who go to lunch on Saturday, and if you are at the last session there are door prizes. If participants fill out their conference assessment, they are eligible to win a prize. The money made at this conference will be dependent on walk-ins. Bill reminded people to come to the reception Thursday night.
11. Ben Dasher Committee - Jenna Carpenter – Excellent committee this year, Ron Miller passed on an outstanding organization from prior years and all is going well. Persons being considered do not know that they are up for the award.
12. Helen Plants Award - Don Carpenter – Richard Layton reported since he is one of the reviewers. Session F1 still needs a reviewer and the forms are available in the rooms. Larry asked for a volunteer and then volunteered himself. The plea was made that if you are at any of these non-traditional sessions, please fill out the evaluation.
13. Apprentice Faculty Grant Chair - Jennifer Karlin – Absent.

Awards: to be presented at FIE 2005

14. Distinguished Service Award: Dan Budny for distinguished service to ERM.
Committee: Eric Soulsby, Mike Pavelich, and Dan Moore (past chair and the two prior chairs).

Ronald Schmitz: Bob Hofinger for outstanding service to FIE.
Committee: Jim Roberts, Larry G. Richards, Goranka Bjedov

Ben Dasher Best Paper Award: Matt Ohland, Guili Zhang, Brian Thorndyke, and Tim Anderson "Grade - Point Average, Changes in Major, and Majors Selected by Students Leaving Engineering"
Committee: Ron Miller, Jim Avery, Jim Roberts, Dave Voltmer

Helen Plants Award for the Best Non Traditional Session at FIE 2004: Monica Bruning, Eileen Cashman, Elizabeth Eschenbach, Susan Lord, and Alisha Waller "Feminist Frontiers"
Committee: Mike Pavelich and Eric Soulsby.

15. New Faculty Fellows – Sponsored by CASEE

- [Tarek Abdel-Salam](#), East Carolina University, [Session T4G](#), [Session S2E](#)
- [Candice Bauer](#), University of Nevada Reno, [Session T2D](#)
- [Carlotta A. Berry](#), Tennessee State University, [Session T4E](#)
- [Maura J. Borrego](#), Virginia Polytechnic Institute and State University, [Session T3D](#)
- [Mario H. Castro-Cedeno](#), Rochester Institute of Technology, [Session F4C](#)
- [Nitesh Chawla](#), University of Notre Dame, [Session S1J](#)
- [Dongyen V. Chen](#), Xavier University of Louisiana, [Session S1H](#)
- [Lisa Facey-Shaw](#), University of Technology, Jamaica, [Session S1E](#)
- [Ekaterina Prasolova-Førland](#), Norwegian University of Science and Technology, [Session S3G](#)
- [Adrian Rusu](#), Rowan University , [Session F1G](#)

Announcements:

16. Special Recognitions - FIE Masters to be honored at FIE2005:

Lee Harrisberger: Lee led the efforts to incorporate creativity and design into engineering curricula and authored the seminal textbook, Engineersmanship...The Doing of Engineering Design. He was a pioneer in leading effective teaching institutes.

John Lindenlaub: John was a pioneer in the use of audio-tutorial instruction. He is recognized as an understanding, dedicated teacher, a creative and open-minded educator, and a tireless worker on behalf of engineering education.

Bill LeBold: Bill pioneered formal studies in student retention and persistence in engineering and brought strong credentials in educational psychology to our discipline.

Ed Ernst: Ed advocated a solid understanding of fundamental concepts and led efforts to incorporate a systematic, rigorous accreditation process.

17. AREE: *Annals of Research on Engineering Education*: Norman Fortenberry is the publisher, Karl Smith is the editor, Alisha Waller is the managing editor, Wendy Knapp is the assistant. Alisha reported on the progress on AREE. She passed out cards that give the website and slogan for AREE. This is a place for engineering education researchers to come together as a community and discuss the process of engineering education research. There are 12 affiliated journals who recommend their research articles to AREE. The authors of those articles are then asked to write a summary of the structured process and then a reflective essay on what they did, what they would change, etc. There are about 35 articles published at this time. There are areas for persons to respond with comments and contribute to an annotated bibliography. If you have other ideas, please let them know. AREE is free for a year. It is currently being supported by our tax dollars. Persons were encouraged to get online and check it out. <http://www.AREEonline.org>.

Old Business:

18. ERM Bylaws have been officially approved by ASEE. We thank Eric Soulsby for his dedication and leadership in updating our bylaws. These are on the website if you would like to review them once again.
19. Dasher, Plants and Schmitz as FIE Awards: Joe Hughes has managed the process this year, with input from Eric.
20. CASEE is now affiliated with FIE and sponsors CASEE New Faculty Fellows. The current plan is for CASEE to have a meeting prior to every FIE.
21. ERM Leadership group that was organized several years ago in Puerto Rico now has a deliverable. John Heywood published **Engineering Education: Research and Development in Curriculum and Instruction**. This is a Wiley book and they are raffling at least one and perhaps two advance copies of the book. This book synthesizes things that have been done relative to engineering education over the last 35 years.

New Business:

22. Vice Chair for ASEE 2008 (Pittsburgh PA, 22 –25 June 2008) – needs a volunteer to chair. Would be great if a person from Pittsburgh could step up for this position. Sandy Yost volunteered to be considered for this position, and has been appointed.
23. Vice Chair for FIE 2008 (Sarasota Springs, New York): This conference will be hosted by Union College. Matt Ohland: assisted by Maura Borrego. This will be 40 miles from an airport, so travel will not be convenient. You fly into Albany, NY and then drive.
24. Fellows committee – We have several Fellows from our Division, but we need to submit more. There are several persons who should be Fellows but have not been presented.

We have around 30 Fellows from the ERM Division, but have not had any for a couple of years. Therefore, we need to establish a committee of persons who are already Fellows who will work on these recommendations. Larry will establish this committee and report at ASEE in Chicago.

25. Website updating and redesign – We will add a feature about our named awards (Dasher, Plants, Schmitz): it will include the Bios and pictures of the persons for whom the award is named, as well as list of award winners. Some pictures and descriptions have been received or requested. The recommendation was made that their publications also be listed on the website. History (recognition for ERM pioneers) – need to add to the website. Also need to add links to CASEE, NAE, and the new AREE.
26. ASEE raising meals prices, evidently due to the Chicago location. Do we want to take the Brouhaha off-site in future conferences? Some members have stopped attending the Brouhaha because they have to register their spouses for the conference. Cindy Finelli is recommending that we go off-site in Chicago. Trevor Harding will investigate the possibilities.

Other New Business:

27. Alisha wanted to discuss the large amount of money we have in the bank. Discussion ensued on what to do with the funds. The discussion included the issue of potential liabilities. Can we answer the question of whether FIE is what we want it to be and then what should/could we do with the funds that we have in our account? There was a discussion about whether there is a minimum surplus that has to be made at the FIE Conference each year. This year, the program chairs were told to accept more papers and then additional ones were accepted over and above those – in the name of attendance and money. The comment was made that this is a strategic issue and the FIE Conference is just one aspect of the strategic plan. Trevor made the recommendation that the Executive Board should do some strategic planning in Chicago. Larry committed that the Executive Board would expand the regular meeting times so we could discuss this topic. The recommendation was made to hire a facilitator to help with strategic planning.
28. It was reported that Dan will not be in Chicago to do the Brouhaha this coming year. Trevor volunteered to cover the Brouhaha if Dan can not make it. Sandy Yost will also help Trevor since she will be on deck the following year. The Brouhaha Planning Committee for Chicago is Trevor Harding, Rich Layton, and Sandy Yost.

Meeting was adjourned at 8:00 pm. Respectfully submitted by Teri Reed Rhoads – October 19, 2005