

Design Education Committee Meeting Minutes,
August 17, 2010, Hochelaga 6, Queen Elizabeth (Fairmont) Hotel, Montreal, Canada

Chairman Jeff Mountain called the meeting to order at a little after 6 pm.

Agenda Item 1: Introduction of Attendees:

Jeffrey Mountain; mountain@uttyler.edu
Michael Keefe; keefe@udel.edu
Albert Karvelis; akarvelis@exponent.com
Dirk Schaefer; dirk.schaefer@me.gatech.edu
Karoly Varadi; varadik@eik.bme.hu
Spencer Magleby; magleby@byu.edu
Kathy Jacobson; Kathy.J.Jacobson@conco.com
Zahed Siddique; zsiddique@ou.edu
Christopher Williams; cbwilliams@vt.edu
Janis Terpenney; terpenney@vt.edu
Charles Kim; Charles.kim@bucknell.edu
Chris McMahon; c.a.mcmahon@bath.ac.uk
Gul Kremer; gkremer@psu.edu
Warren Smith; w.smith@adfa.edu.au
Wei Chen; weichen@northwestern.edu
Sun Kim; sunkim@sdm.keio.ac.jp

Agenda Item 2: Dirk Schaefer gave summary of IDETC 2010; 7th Symposium on International Design and Design Education. There were 49 abstracts submitted, 35 full papers submitted of which 30 were accepted. That is 3 papers less than last year but there were no Young Design Engineer's Paper Competition submittals this year. Attendance has been good; ~50-60 yesterday, ~20 today. Hard to have panelists because of location cost/travel.

Agenda Item 3: Last year DED asked DEC to consider two groups becoming part of DEC: K-12 awareness and Professional licensure. The licensure one generated much discussion last year (not clear on education component) and item was not passed. This year DED has asked DEC to consider just K-12 awareness. Kathy Jacobson, active many years as K-12 awareness Committee Chairwoman, presented issue. Very positive discussion: cross committee interest, broad education issue. One point is the need to consider/decide on what is unique aspect of Design Education K-12 awareness vs. the more general ASME K-12 outreach activity.

ACTION: unanimous vote to accept DED K-12 awareness Committee as part (subcommittee) of DEC.

Agenda Item 4: IDETC 2011: Katie Grantham indicated to Jeff she was willing and interested in moving from this year's Program Chair to Conference Chair for 2011; Zahed Siddique was nominated as 2011 Program Chair. Some discussion on officers and their responsibilities. Initiated discussion on possible sessions:

- a) Creativity/Innovation again as very popular/well attended this year;
- b) K-12 awareness;
- c) Scholarship again (though maybe best as workshop? problem is that ASME formula returns profits per paper - need to determine best way to deliver scholarship session);
- d) continue ideas that didn't make it this year (e.g., design across curriculum); and
- e) for 2011, consider changing name from "Symposium" to "Conference" as only ours is named that (historical) and 'conference' has a better perception than 'symposium' for academic quality.

ACTION: unanimous approval, 8th Symposium [Conference] on International Design and Design Education, IDETC 2011: Conference Chair = Katie Grantham, Program Chair = Zahed Siddique.

Agenda Item 5: officers for DEC

ACTION: unanimous approval, Vice Chairman = Mike Keefe, Secretary = Chris Williams, Treasurer = Albert Karvelis, Associate Vice Chairman (and International Design) = Spencer Magleby.

Agenda Item 6: Journal of Mechanical Design; Janis Terpenney, the journal's Associate Editor for Design Education and DEC member, reported. We need to actively encourage the good conference papers to submit to JMD. They do NOT receive enough submittals in design education. Please consider helping, she needs reviewers.

Agenda Item 7: Honors & Awards, Gul Kremer reminded that the DED Honors & Awards Committee who help for the Spira Award has two DEC members (others from DED focus on past winners): Gul Kremer whose term ends in 2011, and Mike Keefe whose term ends in 2012. We will need DEC members for those positions on the DED Honors & Awards Committee in the near future. It is important that DEC actively nominate candidates for the Spira Award!

Agenda Item 8: International Activities; Spencer Magleby has volunteered to lead this area; will need to talk to Phil Doepker to find out current status.

Agenda Item 9: Young Design Engineer's Paper Competition; needs funding if it's going to continue! Phil Doepker, though retiring from his academic position, has indicated to Jeff that he is willing/interested in continuing to lead the Young Design Engineer's Paper Competition effort.

Agenda Item 10: Jeff handed out Gul's last DEC Report, for the DED records. Jeff then updated on DED matters:

- a) proposal to change officer starts from July 1 to October 1 to better facilitate transitions,
- b) discussion on quantity vs. quality of papers and trying to measure as right now ASME formula to distribute profits from conference are on a per paper basis and want to emphasize quality,
- c) process for setting up own conference (not applicable to DEC as we can't support venue outside of IDETC!),
- d) in future, ASME will again append conference to papers,
- e) DED is working on a 'cluster' proposal to make their logistics easier - decision expected very shortly.

Gul then asked two questions:

- 1) ASME discussing for 2012 a five-day 2-1-2 arrangement instead of the current three-day setup for this conference (getting too big, hard to find affordable venue). She will send around email for 'vote' on with which three other groups would we want to 'co-exist' in the new format? As point of info, cluster proposal right now has DEC, DAC, DTM, DFM; and
- 2) what is our estimated size for our conference at IDETC 2011?

ACTION: decided to estimate 40 ± 5 papers for IDETC 2011.

Agenda Item 11: mandatory review of bylaws; Jeff reported some questions:

- 1) terms of membership - easy to become member, no end? **ACTION:** decided to periodically send email asking if wish to remain on committee;
- 2) bylaws indicate only original date approved ('94). **ACTION:** add words to the effect: originally approved 1994, current as of 2010 (as must review every even-numbered year);
- 3) only we have term starting at calendar year after election. **ACTION:** add words to the effect: terms start consistent with DED/ASME terms.

Agenda Item 12: future goals = have done a decent job with increasing participation and synergy with other DED Technical Committees, and that effort should be continued!

There were no announcements and the meeting was adjourned promptly at 7:30 pm.

Respectfully submitted,
Michael Keefe, PhD, PE,
Secretary, Design Education Committee