

ASME Design Engineering Division General Committee Meeting

Minutes

Thursday Sep. 30th, 8:30 AM – 11:40 AM

Hilton Salt Lake City Center, Granite Boardroom

Salt Lake City, Utah

Present: S. Azarm, L. Bergman, T. Chase, J. Davidson, C. Dym, N. El-Ghobashy, G. Fadal, Liz Ely, K. Gupta, H. Hamidzadeh, K. Jacobson, L. Howell, K. Kazerounian, D. Kazmer, D. Lee, M. McCarthy, F. Mistree, A. Parkinson, B. Ravani, L. Saggere, K. Shimada, S. Sinha, J. Vance, S. Velinsky, B. Wood

Deviation from agenda: A vote was conducted among the executive committee member to elect the editor of ASME-JVA. The results of this vote was unanimous and Kon-Well Wang was elected as the next technical editor of Journal of Vibration and Acoustics to follow L. Bergman.

1. Meeting was called to order by S. Sinha at 8:36 pm.
2. Minutes from the February 22, 2004 DETC meeting of the Executive Committee were unanimously approved.
3. S. Sinha presented the Report of the Executive Committee (oral and written) the highlights of his report are:
 - Finally the revenues from IDETC 02 and 03 are in place and the Division Custodial account balance is close to \$312K.
 - The Multibody Systems and Nonlinear Dynamics Committee (MSND) has been successful in securing around \$13K as gifts from private companies.
 - Two subcommittees on Micro-Nano Systems have been operating within TCVS and Mechanism and Robotics Committees for over a year now. And he proposed the formation of a new technical committee on Micro-Nano Systems when we meet next time in spring 2005.
 - The National Design Conference at the National Manufacturing Week Show (NMW) in 2004 did generate some revenue and we are expected to get a report soon.
 - We (DED) are in the process of becoming a co-sponsor of JCISE.
 - The MSND has put together a proposal for a new journal called the '*Journal of Computational and Nonlinear Dynamics*' and it is going through the approval process.
 - We are very thankful to Joe Davidson, who recently assumed the post of Honors and Awards Committee Chair.
 - I thank the outgoing Chair Bahram Ravani for an outstanding job in developing a strategic plan complete with new 'vision' and 'mission' statements.
 - Daniel Segalman (one of our past DED Chairs) has been selected as the VP of the Systems and Design Group.
4. Technical Committee Reports, J. Vance
 - (a) Design Automation Committee Kenji Shimada (written and oral report)

This year, 158 papers were submitted to the conference and went through a rigorous review; 115 were accepted and will be presented in 30 sessions. Dr. Wei Chen, the program chair of the 30th Design Automation conference, managed the paper review process. This year's DAC Best Paper Award is sponsored by Ford Motor Company, and Dr. Ren-Jye Yang coordinated the selection of the award.
 - (b) Design Education Clive Dym (written and oral report)

This report summarizes the DEC's activities since the report of 17 February 2004 by former chair, Ed Feldy, which noted that the DEC "has been struggling for the past 3 years largely due to individuals volunteering for office and subsequently finding that they were unable to fulfill the duties of these offices." As part of the response to that situation, a new member, Clive Dym, was added to the DEC and subsequently elected its Chair in a teleconference on 1 June 2004. Since that time, a subset of the current DEC membership has written a new Manual of Operating Procedures (attached: "DEC Ops Procedures

3.pdf”) that includes (1) a new vision statement, (2) revised mission statement, (3) and a very-much revised set of activities, officers, and operating processes. The new manual, a draft copy of which is attached to this report, will be discussed at a meeting of the DEC scheduled during the IDETC 2004 and voted upon shortly thereafter.

- (c) Design for Manufacturing Committee (written and oral report)
The 2004 conference was well organized, with a timely and high quality review process using the eLane review process. This year there were 32 papers selected for presentation from 42 papers submitted. An experienced conference committee in place for the 2004 IDETC with Caroline Hayes as the Conference Chair, and Jeffrey Hermann as the Program Chair, and William Wood as Paper Chair. Nominations for the 2005 Paper Chair will be received at this year’s DETC/DFM technical committee meeting. Four sessions have been reserved for DFM symposia at the 2004 IMECE with David Kazmer serving as symposia chair and Edward Morse serving as co-chair. Edward Morse will organize the DFM symposia at the 2005 IMechE. A co-chair will be elected at this year’s DETC/DFM technical committee meeting, with a call for 2005 papers will be published prior to the 2004 IMECE.
- (d) Design Theory and Methodology William Wood (written and oral report)
The 16th International Conference on Design Theory and Methodology was held September 2-6 in Chicago. Led by Chair Linda Schmidt and Papers Chair Yan Jin, the conference was a resounding success. Submissions numbered about 100. It still appears that the DTM award account is missing the \$6000 donation from Xerox due to an ASME accounting problem.

J. Vance mentioned that DED will pay \$3000 for now.

- (e) Fastening and Joining P. Raju Mantena (written report only)
- (f) Mechanisms and Robotics Kazem Kazerounian (written and oral report)
Mechanisms and Robotics committee, after more than one year of discussions, unanimously voted to hold the Mechanisms and Robotics conference annually. We do not anticipate that this will add significantly to the attendance in the odd years since our community already has an active role in the odd years (under the auspices of DAC). The 29th Mechanisms and Robotics conference will be held in the IDETC/CIE 2005. The conference chairman will be Prof. Sunil Agarwal. Our operating procedures will be changed accordingly.
- (g) Multibody System Dynamics Ahmed Shabana (written report only)
- (h) Power Transmission and Gearing David Lewicki (written report only)
- (i) Reliability, Stress Analysis, and Failure Prevention Erol Sancaktar (written report only)
- (j) Vehicle Design Moustafa El-Gindy (written report only)
- (k) Vibration and Sound William Clark (written report only)

5. Liaison Reports

- (a) Journal of Mechanical Design M. McCarthy (written and oral report)
Mike McCarthy reported on the status of the papers submitted from Aug, 15th, 2003 to Aug. 15, 2004. Journal acceptance rate is 34%. Backlog is about 10 months. Move to 6 issues allowed an increase in journal price. The review process is effective. Associate Editors work load is about 10 active papers. The impact factor is about .35
- (b) Journal of Vibration and Acoustics L. Bergman (written and oral report)
Larry Bergman reported he is completing his 5 years as the editor in Dec. 04 and will not seek reappointment. The journal remains among the more profitable ASME journals. For the past 5 years the journal have used all of its 600 page allotment. The journal will

move to bimonthly publication in 2005. All in attendance gave a round of applause to L. Bergman for his excellent editorial work.

(c) ASME/IEEE Journal of Mechatronics D. Mavroidis (written report only)

(d) Cooperating Journal:

Journal of Computing and Information Science in Engineering J. Shah (written report only)

6. Vice Chair/Treasurer's report KC . Gupta (written and oral report)
- K. Gupta went through his written report to the committee. As the Treasurer, he mentioned that the investment yields have been very good (%14.65) . There are still unresolved issues with respect to the Xerox check. It is expected that if Xerox check is cashed, ASME should pay for it. B. Ravani suggested that as a matter of policy, DED custodial accounts should pay it to DTM and then DED should work it out with ASME. J. Vance noted that we approved last time that DED pays \$3,000 and ASME another \$3,000. Therefore DED should pay the \$3,000 immediately. S. Velinsky noted that the distribution formula that the DED's income was calculated has been corrected and the DED will receive more income as a result. K. Gupta is to follow up.

K. Gupta also reported on the Technical Committees activities as well as IMECE. Details as well as the statistics on IMECE 2004 are included in the written report.

7. IDETC Technical Conferences S. Azarm
- 2004 IDETC: Alan Parkinson / Larry Howell (Written and oral report)
Parkinson reported that 2004 conference have been very successful Total revenue was 231,850, total expenses \$197,795 with a surplus of 34,055. There were 505 papers in the conference. Details are in the report. He mentioned difficulties with the publications web tool such as in the middle of December they still did not have a working version of the Tool Box ready.
 - 2005 IDETC: Hamid Hamidzadeh / David Lee (Written and oral report)
 - D. Lee and H. Hamidzadeh reported that plans for DETC/CIE 2005 is moving along fine. Conference will be in Hyatt Regency, Long Beach. Lee gave a presentation of the hotel facilities and location.
 - 2006 IDETC: Vijay Kumar (written report only)
 - 2007 IDETC: H. S. Tzou (no reports)
 - 2008 IDETC: J. Rastegar and Souran Manoochchri (written report only)
 - 2009 IDETC: No decisions made yet
 - 2010 IDETC: No proposals received.

8. NDEC J. Renaud (written report only)

9. Government Relations N. Anderson (written report only)

10. Honors and Awards J. Davidson (Written and oral report)

Joe Davidson reported on the activities of the Honors and Awards committee. Details of his report are included in his written report attached. S. Sinha cited the excellent and hard work done by J. Davidson.

11. International Activities Tom Chase reported for P. Doepker (Written and oral report)
- T. Chase reported on the Second Symposium on International Issues in Engineering Design as well as Re-Alignment of the International Activities Committee to become a subcommittee of the DED Design Education Committee. Therefore this will be the last report of this committee as a standing committee of the Design Engineering Division.

12. USCToMM D. Mavroidis (written report only)
K. Gupta mentioned that it is not clear if we have paid our dues to IFToMM. He is going to check with D. Mavroidis.
13. Fellow Nominations R. Hirsch (written report only)
It was mentioned that in addition to the individuals listed on R. Hirsch report as the new ASME Fellows, there are several others that are not listed.
14. Publicity and Newsletter K.W. Wang (written report only)
C. Tan is to take over as the newsletter editor from 1/1/2005.
15. Student Affairs P. Larochelle (written report only)
16. Information Management S. Gooch (written report only)
K. Gupta mentioned that S. Gooch has been very responsive.
17. K-12 Awareness of Design Engineering K. Jacobson (Written and oral report)
Kathy Jacobson reported on the 2004 program involvements including Engineers Week Girl Scout Workshop and Science Olympiad.
18. Old Business
B. Ravani recognized the excellent services of Farrokh Mistree and presented to him a certificate of appreciation. There was a round of applause from those in attendance for F. Mistree.
19. New Business
F. Mistree suggested that the committee needs an outstanding education award for younger researchers.
B. Ravani suggested the formation of a subcommittee to seek endowments for such an award.
20. The meeting was Adjourned at 11:40

Respectfully

Kazem Kazerounian
Secretary of the Executive Committee