

**ASME Design Engineering Division General Committee Meeting**  
**Minutes of the meeting on**  
**Tuesday Sep. 27<sup>th</sup>, 2005**  
**Hyatt Regency-Long Beach, Seaside Boardroom**  
**Long Beach, California**

**Present:** S. Agrawal, J. Allen, S. Azarm, K. Anderson, N. El-Ghobashy, G. Flowers, K.C. Gupta, S.K. Gupta, L. Howell, K. Jacobson, K. Kazerounian, V. Kumar, P. Larochelle, D. Lee, S. Manoocheri, M. McCarthy, E. Misawa, K. Punter, J. Rastegar, B. Ravani, L. Saggere, E. Sancaktar, D. Segalman, A. Shabana, J. Shah, K. Shimada, H.S. Tzou, J. Vance, K.W. Wang.

1. The meeting was called to Order by K.C. Gupta at 2:05 pm.
2. **Approval of the Minutes:** The minutes of the General Committee Meeting on Sunday March 6<sup>th</sup>, 2005 held in Chicago (UIC campus) were unanimously approved.
3. **Chair's Report:** K.C. Gupta presented the Executive Committee report (oral & written). The highlights of this report are as follows:
  - The custodial fund of the Design Engineering Division is healthy.
  - An action committee was created to explore avenues of collaborations with the Dynamic Systems and Control Division (DSCD), Computers in Engineering (CIE) Division and the Manufacturing Division (MD). The members of the action committee from DED are K.C. Gupta, S. Sinha, J. Vance, and N. El-Ghobashy.
  - Conclusion was reached with the *Journal of Computing and Information Science in Engineering* (JCISE) on DED sponsorship.
  - A new technical committee on micro and nano systems was established in summer 2005 and it will soon elect its chair.
  - The DED web page has been updated. It will soon have a new look for evaluation by the Executive Committee.
  - Discussion with Art Erdman on DED co-sponsorship of the newly proposed journal on biomedical devices is continuing. K. Kazerounian is our liaison.
4. **Vice Chair and Treasurer's Report:** S. Azarm presented the Treasurer's report (oral & written). Shapour reported that the DED is doing well in terms of finances. ASME informs the division after each event or a conference if DED is in black (excess revenue) or in red (deficit). In the case of excess revenue, DED allocates 50% of the excess revenue funds to various committees. In order to have a system to allocate the funds to various committees, the conference chairs will be asked to provide the number of sessions and papers.
5. **IMECE and Technical Committee Reports:** J. Vance reported on the IMECE and various committee activities (oral & written). The DED will sponsor a total of 34 sessions at the 2005 IMECE to be held November 5-11, 2005 in Orlando. A total of 176 papers/panels/presentations are planned. Judy also reported that the Design Education Committee was revitalized this year under the leadership of Clive Dym. In July, Clive stepped down and Phil Doepker stepped in as the new chair of the committee. A new DED technical committee on Micro/Nano Scale Systems was formed over summer. The chairs of various committees reported on the activities of their committees.
  - (a) Design Automation Committee: K. Shimada reported on the activities of DAC (oral & written). This year, the conference has 129 papers and presentations selected from 169 paper submissions. The acceptance rate was approximately 75%. There have been some bylaw changes; one of them was to redefine DAC's target areas of research and education. These areas were summarized by

Kenji and listed in the written report. Kenji also reported that several junior people are willing to serve to develop the DAC's web site.

- (b) Design Education: J. Vance reported that the Design Education Committee (DEC) was revitalized under the leadership of Clive who also finalized the committee operating procedures. Phil Doepker became the new chair in July. The committee had a meeting in Long Beach. The meeting was well attended. Suggestions and proposals are welcome.
- (c) Design for Manufacturing Committee: S.K. Gupta reported on the activities of DMC (oral & written). S.K. reported that this year's conference was successful with 49 papers. The committee is also sponsors sessions at the IMECE.
- (d) Design Theory and Methodology: J. Allen presented the DTM report (oral & written). Janet reported that for this year's conference 81 papers were submitted and 51 papers were accepted. The DTM Committee sponsors the NSF/ASME Design Essay competition. The DTM community is focusing in the upcoming year on rebuilding the DTM community.
- (e) Fastening and Joining: No written or oral report presented.
- (f) Mechanisms and Robotics: L. Howell presented the Mechanisms and Robotics Committee report (oral & written). Larry reported that this year is the first time to have the M & R conference in the odd year. The conference has a very good participation with a strong industry support. Young assistant professors are volunteering their time and efforts. Larry expressed appreciation to the DED Executive Committee for award fund matching. Larry indicated that the best paper award is still under funded.
- (g) Multibody Systems and Nonlinear Dynamics: S. Sinha presented the Multibody Systems and Nonlinear Dynamics report (oral & written). Subhash mentioned that the conference this year was successful and consisted of approximately 280 papers and presentations. More than 300 papers were submitted. The new ASME journal, *Computational and Nonlinear Dynamics*, was created. The inaugural issue of the journal was available at the conference. Two awards; the D'Alembert and Lyapunov awards were established and will be presented for the first time at the Long Beach conference.
- (h) Power Transmission and Gearing: No written or oral report presented.
- (i) Reliability, Stress Analysis, and Failure Prevention: E. Sancaktar presented the RSAFP committee report (oral & written). Erol reported that the RSAFP committee has been participating at the IMECE with 5-7 sessions. The committee is also participating at the IDETC's every two years. This year the committee is sponsoring five sessions with 18 papers.
- (j) Vehicle Design: No written or oral report presented.
- (k) Vibration and Sound : W. Clark presented the TCVS report (oral). The Den Hartog award went to Dan Mote and the Myklestadt award went to Christophe Pierre. TCVS is taking advantage of the matching fund to make the Den Hartog award a society award. The committee will do more fund raising for the endowment. TCVS was given 11 sessions at IMECE 2005.
- (l) Micro and Nano Scale Systems: L. Saggere presented the Micro and Nano Scale Systems Committee report (oral). Laxman mentioned that the committee was approved in June, 2005. The committee has 20 members. The first committee meeting will be held at IMECE 2005. Dan s Segalman encouraged the new committee to stay in contact with the MEMS Division.

**6. Journals:** The following reports were presented:

- (a) Journal of Mechanical Design: J.M. McCarthy presented the report on the Journal of Mechanical Design (JMD) (oral & written). Mike reported that during the period of August 15, 2004-August 15, 2005, 434 papers were submitted, 268 were closed in an average of 3 months, and 166 are open for 3 months. The acceptance rate is 27.6% and the backlog is 9 months. Supplements on the design of Micro, Nano and Biologically inspired systems; Spatial Mechanisms and Robot Manipulators; and Risk-Based & Robust Design are planned. Five associate editors are ending their terms in 2005 and seven new associate editors started June 2005. The impact factor of JMD has risen over the past three years; 0.268 in 2002, 0.354 in 2003, and 0.461 in 2004.
- (b) Journal of Vibration and Acoustics: K.W. Wang reported on JVA (oral & written). The journal went in 2005 from quarterly to bimonthly. More associate editors were appointed in order to reduce the AE work load. Steve Shen and Steven Hambric were appointed as new Associate Editors. Jerry Ginsberg retired because of health reasons. Special issues of the journal are planned. In late 2004 and early 2005, a few issues of the journal were delayed as the result of Ray Ramonas's retirement, however it is now back on schedule since August 2005. In 2003, 112 papers were submitted, while in 2004 190 papers were submitted. The review time is getting better, and increasing the page allocation was discussed with ASME in order to reduce the backlog.
- (c) Journal of Computational and Nonlinear Dynamics: S. Sinha presented the report on JCND (oral & written). Subhash reviewed the written report and he is happy with the AE's reviews. The number of papers submitted is 65 and the number of papers accepted is 12. A journal reception was planned at the Long Beach conference.
- (d) ASME/IEEE Journal of Mechatronics: Only written report submitted by D. Mavroidis
- (e) Cooperating Journal: J. Shah reported on the Journal of Computing and Information Science in Engineering (JCISE) (oral & written). Jami thanked DED for approving the co-sponsorship. Because of the partnership with two divisions, the journal has an Advisory Board. Each of the two divisions, CIE and DED, has two representatives on this board. The nominations of the associate editors are made by the two divisions and approved by the chair of the Advisory Board. The journal is looking for associate editors in several areas such as informatics, optimizations, etc. The submission to the journal is growing steadily. After two review cycles, the paper is accepted or rejected. 15-20% of the papers are accepted in the first cycle, and 50% are accepted in the second cycle. Shapour voiced concerns regarding the scope similarity between JCISE and JMD. Mike McCarthy responded that he does not see this as a problem.

**7. Recognition of Retired Committee Chairs:** K.C. Gupta recognized the efforts of the retired committee chairs; C. Dym (DE), R. Han (TCVS), D. Kazmer (DFM), A. Shabana (MSND), K. Shimada (DA), S. Sinha (EC), and B. Wood (DTM). A plaque of appreciation was presented to the chairmen who were at the meeting. Other plaques of appreciation will be mailed to the chairmen who were not present.

**8. IDETC/CIE Technical Conferences:** Kim Punter and David Lee reported on the 2005 IDETC's. Kim mentioned that as of yesterday, 1107 registered. The excess revenue is estimated \$68,255. Among the registrants, there were 150 ASME student members (100 were budgeted), and 202 non-ASME student members (25 were budgeted). The members of the committee congratulated the organizers and ASME staff on the great success of the 2005 conference.

(a) 2006 IDETC/CIE: V. Kumar reported on the 2006 IDETC/CIE conferences (oral & written). Vijay mentioned the 2006 conference which will be held in Philadelphia will have 5 or 6 conferences as expected. The conference organizing committee met several times. Deadlines will be strictly enforced. The conference location is 5 minutes walk from the city center. A reception is planned. The number of full registration is expected to be 550 while the number of student registration is expected to be 150.

(b) 2007 IDETC/CIE: H. Tzou reported on the 2007 conference to be held in Las Vegas in the Rio All Suite Hotel and Casino. Preliminary work started and the web site has been already created. A design of the conference poster was shown at the meeting. Various conference committees will be finalized. The conference committee will be recruiting symposium organizers and will contact local representatives.

(c) 2008 IDETC/CIE: S. Manchoori proposed New York City as the conference site. ASME is looking for hotels in the city. Given the fact that NY provides advantages, ASME is examining the numbers in order to ensure the success of the conference. ASME and the organizing committee are also entertaining the greater NY area and the north east area in case NY does not work out. The goal is to finalize the hotel selection within the next few months. Kim Punter indicated that the hotel rooms in NY can be more than \$275/night.

(d) 2009 IDETC/CIE: K. Anderson and G. Flowers presented the report on the 2009 conference (written & oral). Kurt Anderson and George Flowers will serve as the conference co-chairs. Harry Dankwitz and Dan Quinn will serve as the program chairs. The plan is to have the conference in San Diego which is a very attractive location. There is a hope to get a good hotel deal since ASME is negotiating for two other conferences in San Diego. Kim is looking for \$150/night deal. The conference proposal submitted by K. Anderson and G. Flowers was unanimously approved.

(e) 2010 IDETC/CIE: K.Kazerounian indicated that there is a group interested in organizing the 2010 IDETC's.

9. Constitution and Bylaws: No written or oral report
10. NDEC: Only written report submitted by J. Renaud
11. Government Relations: Only written report submitted by N. Anderson
12. Honors and Awards: J. Davidson presented the H & A report (written & Oral). Joe presented a list of the Society Awards, Division-Technical Committee Awards and awards from other divisions. The nomination form was also discussed. Society award nominations should be sent to ASME by March 1. Joe also suggested to go back to the 2 hrs division luncheon instead of the 1.5 hrs used for the Long Beach conference.
13. USCToMM: No written or oral report
14. Design Society: Only written report submitted by W. Seering
15. Fellow Nominations: Only written report submitted by R. Hirsch
16. Member Interest, Member Development: No written or oral report
17. Publicity and Newsletter: Only written report submitted by C.A. Tan

18. Student Affairs: P. Larochelle presented the Student Affairs report (written & oral). The student registration was discussed with Hamid and David since there was a concern regarding the increase in the student registration fee. Pierre reported that most students who attend the conference come from large schools and labs and most of them are Ph.D. students and come for the first time. In 90% of the cases, the registration fee was paid by the student advisors. The student picnic is liked by more than 90% of the students. A picnic is also planned for the 2006 IDETC/CIE conferences in Philadelphia. Pierre also reported that there will be a special section describing student activities on the web. He encouraged more participation from the DED technical committees. Pierre mentioned that a survey showed that 57% of the students who attend IDETC/CIE conferences would like to pursue a career in academia while 43% would like to work in Industry.
19. Information Management: Only written report submitted by S. Gooch
20. K-12 Awareness of Design Engineering: K. Jacobson reported on the K-12 Awareness (written & oral). The Girl Scout National Convention will be held in Atlanta during the period October 7-9. Kathy is organizing an engineering/robotics booth for this event. Kathy also encouraged active members of DED to coordinate with the local sections to meet with high school students.
21. Old Business: None
22. New Business: None
23. The meeting was adjourned at 4:20 pm.

Respectfully submitted,

Ahmed A. Shabana  
Secretary of the DED General Committee