

**ASME Design Engineering Division General Committee Meeting  
Meeting Minutes, March 2, 2003  
ERF 1043 (MIE Conference Room), University of Illinois at Chicago**

**Present:** S. Azarm, T. Chase, P. Doepker, F. Goldfarb, K.C. Gupta, C. Hales, H. Hamidzadeh, D. Harris, R. Hirsch, K. Jacobson, D. Lewicki, M. McCarthy, S. Rak, B. Ravani, J. Renaud, D. Segalman, A. Shabana, S. Sinha, L. Bergman, S. Velinsky

[Some of the visitors in the meeting were in attendance to provide details related to an agenda item of relevance to them. Minutes of the reports from participants who gave the same report as in the Executive Committee meeting of March 2, 2003 are not repeated here.]

The meeting is called to order by Tom Chase (Chair) at 1:30 PM.

Chair Chase announces that Prof. L.W. Tsai passed away very unexpectedly on November 29, 2002. There is a moment of silence in his honor.

Minutes of October 1, 2002 (Montreal) are approved.

**CHAIR'S REPORT (Chase):** [Similar to the report in the Exec Comm meeting on 3/2/03 – refer to the Minutes of that meeting.] Strategic Plan for DED has now been posted at the DED's homepage: <http://www.asme.org/divisions/ded/> Everybody is invited to take a look at this important document. Technical committee chairs are reminded that they need to submit their committee's Strategic Plan to Vice Chair Ravani, if they have not done that already.

**TECHNICAL COMMITTEE REPORTS:**

**a) Design Automation (Diaz):** DAC's activities have focused mainly on the preparation for the upcoming 29<sup>th</sup> Design Automation Conference in Chicago. This year a new on-line paper submission system was put in place. A Strategic Plan for DAC has already been submitted. [Written report submitted.]

**b) Design for Manufacturability (Sturges/Kazmer):** David Kazmer will be the new TC Chair of DFM in July 2003 for a period of two years. With respect to IDETC, the 2002 conference was well-run. DFM has not been well represented in the editorial boards of the ASME journals. [Written report submitted.]

**c) Design Theory and Methodology (Paash):** The Sept 2002 conference went well. There were 67 submitted papers out of which 33 were accepted and published. DTM again ran a single track of sessions. [Written report submitted.]

**d) Design Education (Harris – verbal report):** There have been questions regarding the status of this committee from DED. There is a concern that Design Education has lost its focus. The committee has not been as active as it should. Lately, the committee has been exploring its involvement with high schools. Contributed 4 sessions to NDEC, and also planning to sponsor a few sessions in IMECE. DED wants to help Design Education with its survival.

**e) Fastening and Joining (Hwang):** Recruited 14 committee members since June 2002. Held the first meeting in November during 2002 ASME Winter Annual Meeting. The committee plans to meet at least once a year. Plans an F&J Symposia in 2003 IMECE. [Written report submitted.]

**f) Mechanisms and Robotics (Kazerounian):** Currently, there are a number of activities and initiatives by this committee: organizing sessions for the upcoming 2003 IDETC; planning a session for 2004 NDEC; redesigning our web page; forming two sub-committees: one on nano-mechanical systems and the other on micro-mechanical systems; planning a bi-annual newsletter, among others. [Written report submitted.]

**g) Power Transmission and Gearing (Lewicki – verbal report):** Organizing a conference in 2003 IDETC - Chicago. Merged with AMGA and also so far received 106 abstracts. This is a significant increase, particularly from industry participation. We are still going for every 4 years. The committee expressed that support from IDETC has been short.

**h) RSAFP (Sancaktar):** Organizing an RSAFP conference in 2003 IDETC – Chicago. Participated in IMECE with four sessions. [Written report submitted.]

**i) Vehicle Design (El-Gindy):** Sponsored a symposium in 2002 IMECE. [Written report submitted.]

**j) Vibration and Sound (Han):** TCVS sponsored a total of 12 sessions in 2002 IMECE. Three symposia are being planned for 2003 IMECE. One session sponsored for Design Show 2003. [Written report submitted.]

#### **LIAISON REPORTS:**

**a) Headquarters (Goldfarb):** [Similar to the report in the Exec Comm meeting on 3/2/03 – refer to the Minutes of that meeting.]

**b) Systems and Design Group (Velinsky):** [Similar to the report in the Exec Comm meeting on 3/2/03 – refer to the Minutes of that meeting.]

**c) Journal of Mechanical Design (McCarthy– verbal report):** We have successfully transitioned and started using the ASME electronic submission. In the first 60 days in 2003, 59 papers were submitted. At this time we expect to have about 300 submissions per year out of which we will have about 100 papers per year published. A formal report will be presented during the Sept meeting.

**d) Journal of Vibration and Acoustics (Bergman):** The journal had 60 full papers (plus 9 Tech Briefs/Discussions) in 2000, 63 full papers (plus 16 Tech Briefs/Discussions) in 2001, and 74 full papers (plus 13 Tech Briefs) in 2002. During 1/1/00 – 12/31/02, the journal had 469 assigned papers, 247 accepted papers, 147 rejected papers, and 47 withdrawn papers. On the average, 53% of papers were accepted and 37% rejected. JVA used its full allocation of 600 pages for the year 2002. The journal has currently 20 papers in its backlog. Next month will begin accepting electronic submission. In a year or two, we might have a petition to make the journal bi-monthly. [Written report submitted.]

**e) ASME/IEEE Trans on Mechatronics (Mavroidis):** Since 1/1/03, the new Editor of the journal is: Dr. Ren Luo from National Chung Cheng University in Taiwan. The journal has grown a lot during the last 5 years and the number of submissions has nearly doubled. Current acceptance rate is about 40%. There are 9 focused sections planned in the journal during 2001-2003. These sections were a major contributing factors to the growth and success of the Transactions. [Written report submitted.]

**f) Journal of Computing & Information Science in Engineering – JCISE (Shah):** DED is currently the “cooperating division” for this journal. During 2001-2002, the journal had 219 submissions out of which 70 accepted as full papers (32%), 13 accepted as Tech Briefs (6%), 79 required major revisions (36%), 53 were not acceptable (24%). As of 2/24/03, there are 15 papers in the queue awaiting publication. [Written report submitted.]

**VICE CHAIR’S & TREASURER’S REPORT (Ravani):** [Similar to the report in the Exec Comm meeting on 3/2/02 – refer to the Minutes of that meeting.]

**TECHNICAL COMMITTEE LIAISON & IMECE (K.C. Gupta):** [Similar to the report in the Exec Comm meeting on 3/2/03 – refer to the Minutes of that meeting.]

**IDETC TECHNICAL CONFERENCES (Sinha et al.):** [Similar to the report in the Exec Comm meeting on 3/2/03 – refer to the Minutes of that meeting.]

**IMMEDIATE PAST CHAIR & ADVISORY COMMITTEE (Segalman):** [Similar to the report in the Exec Comm meeting on 3/2/03 – refer to the Minutes of that meeting.]

**CONSTITUTION & BYLAWS (Vance):** The Operating Board of S&DG unanimously approved the changes to the DED Bylaws and Operating Procedure as recommended by DED in the last meeting. The changes are now with CoE for its approval. Also, The Bylaws and Constitution Committee recommends that Article IX, part 5 be deleted from the Operating Procedures of DED in order to simplify the approval process of changes to the Operating Procedures.

**NDEC (Hirsch):** [Similar to the report in the Exec Comm meeting on 3/2/03 – refer to the Minutes of that meeting.]

**GOVERNMENT RELATIONS (Anderson):** No report!

**HONORS AND AWARDS (Mistree):** (“Issues for Discussion” presented by Chase) WRT Leonardo da Vinci Award, it is recommended to look into changing the metal/cert so that the description is more specific. WRT Abbott Service Award, it is recommended that DED Exec get the nomination prepared. This is a good time to re-organize DED H&A Committee since two members are rotating off. (At the moment, H&A, Machine Design, and Leonardo da Vincic Award Committees are all the same.) Dr. Shabana should be made aware of the need to coordinate DED H&A Luncheon with the Chair of the DED H&A for the upcoming IDETC meeting. The way in which the Triodyne Award is handled needs to be looked at.

**INTERNATIONAL ACTIVITIES (Doepker):** Plans are made for the second symposium tentatively set for 2004 in Utah. It is expected that there will be about 4 technical sessions. One role of International Activities Committee is to seek collaboration from other international design organizations to further promote issues in engineering design. We have worked to establish a formal collaboration with the newly formed “Design Society” centered in Europe. [Written report submitted.]

**USCToMM (Mavroidis):** Dr. Mavroidis is the new ASME liaison, and U.S. Chief Delegate to IFToMM. He is also the Chair of IFToMM's Permanent Commission on Communications supervising IFToMM's webpage, newsletter and conference organization. The primary focus of IFToMM at the

present time is the World Congress to be held in Tianjin, China August 18-21, 2003. [Written report submitted.]

**DESIGN SOCIETY (Seering, transmitted by Hales – verbal report):** The newly formed “Design Society” centered in Europe would like to have affiliation with ASME. We think we are well on our way to having a permanent collaboration agreement with the Design Society.

**FELLOW NOMINATIONS (Hirsch):** Several members of our division are elected to the grade of Fellow. In particular, it is acknowledged that Dr. Phil Doepker (since being present in the meeting) is elected to the grade of Fellow and presented with the certificate and other memorabilia. The Fellow nomination process has been changed and there is a new nomination form available at the ASME’s homepage. [Written report submitted.]

**PUBLICITY & NEWSLETTER (Wang):** “Request for Input” for the 2003 Newsletter were sent out before the end of 2002. The newsletter will be sent to ASME by April 2003 for publication and distribution. [Written report submitted.]

**STUDENT AFFAIRS (Larochelle):** The Committee has recruited two new members to work on planning, coordinating and conducting a new student activities to take place at each IDETC. The committee’s DED Student Center web page is operational and is linked to DED’s homepage. [Written report submitted.]

**MEMBERS INTEREST, MEMBER DEVELOPMENT (Paasch):** No report.

**INFORMATION MANAGEMENT (Gooch):** This committee is responsible for the DED website. Activities include maintenance of the site and prompt response to post and update information. [Written report submitted.]

**K-12 AWARENESS OF DESIGN ENGINEERING (Jacobson):** The following are some websites with great resources and links to support your efforts to work with k-12 age students:  
National Engineers Week: [www.eweek.org](http://www.eweek.org) ASME K-12 Education Web Site (Board on Pre-College Education): <http://www.asme.org/education/precollege/index.htm> Lockheed Martin Aeronautics Engineers Week and kids activities: [www.lmaeronautics.com/about/eweek/index.html](http://www.lmaeronautics.com/about/eweek/index.html)  
NASA Kids site: <http://kids.msfc.nasa.gov/> [Written report submitted.]

**OLD BUSINESS:** None

**NEW BUSINESS:** [Similar to the report in the Exec Comm meeting on 3/2/02 – refer to the Minutes of that meeting.]

The meeting adjourned at 4:00 PM.

Respectfully submitted,  
Shapour Azarm  
Secretary