

**ASME Design Engineering Division General Committee Meeting  
Meeting Minutes, Tuesday October 1, 2002, 2:20 PM - 6:00 PM,  
Salon 8, Sheraton Hotel, Montreal, Quebec, CANADA**

**Present:** S. Azarm, T. Chase, J. Davidson, P. Doepker, F. Goldfarb, K. C. Gupta, C. Hales, H. Hamidzadeh, R. Hirsch, K. Jacobson, K. Kazerounian, D. Kazmer, P. Laroche, M. McCarthy, R. Paasch, A. Parkinson, B. Ravani, J. Renaud, D. Segalman, W. Seering, J. Shah, A. Shabana, S. Sinha, L. W. Tsai, J. Vance, S. Velinsky, K. Waldron, J. Wesner  
[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 Sept 29, 2002 are not repeated here.]

The meeting is called to order by Tom Chase (Chair) at 2:20 PM.

Minutes of March 17, 2002 (Chicago) are approved.

**GENERAL:**

Ravani announced that Prof. Emeritus Ali Seireg, a past Senior Vice President of the Council on Engineering, died on Sept. 3. There was a moment of silence in his honor.

**CHAIR'S REPORT (Chase):** [Similar to the report in the Exec Comm meeting on 9/29/02 – refer to the Minutes of that meeting.] Among others, it is reported that the big change from ASME is to have a Business Plan both for DED (including Technical Committees) and DETC.

**TECHNICAL COMMITTEE REPORTS:**

**a) Design Automation (Diaz):** 140 papers submitted to the 2002 Design Automation Conference, 121 papers were accepted and scheduled for presentation. Participation from authors outside North America remains strong, with 38 papers scheduled for presentation, including 23 papers from Pacific Rim and 8 from Europe. As in the previous years there is a DAC Best Paper Award sponsored by Black & Decker. [Written report submitted.]

**b) Design for Manufacturability (Sturges – did not attend the meeting, had a substitute (Kazmer)):** DFM activities included working on a Fellow application and recruiting sessions/speakers for NDEC. It also involved preparing operation outline for prospective paper chairpersons. [Written report submitted.]

**c) Design Theory and Methodology (Paash):** 67 papers submitted to the 2002 DTM conf and 32 accepted. [Written report submitted.]

**d) Design Education (Kreiner – did not attend the meeting):** No report

**e) Fastening and Joining (Hwang– did not attend the meeting):** Recruitment of new members in this committee is on-going. [Written report submitted.]

**f) Mechanisms (Tsai):** For 2002 IDETC/CIE, Mechanisms and Robotics Conference has 175 papers of which 107 presented in a series of 3 concurrent session and 68 presented in two interactive sessions. The interactive sessions are new. There are also seven invited keynote

speakers, one undergraduate and one graduate design competition. The conference is successful in terms of international participation. There is a suggestion that perhaps this conference should be held annually. [Written report submitted.]

**g) Power Transmission and Gearing (Lewicki – did not attend the meeting):** Plans to participate in 2003 IDETC - Chicago. A Call for Paper has been issued. [Written report submitted.]

**h) RSAFP (Sancaktar – did not attend the meeting):** This committee organized 3 focused sessions with 13 papers with many of the presentations from overseas. Plans to participate in 2003 IDETC – Chicago. [Written report submitted.]

**i) Vehicle Design (El-Gindy – did not attend the meeting):** The committee has organized a symposium on Advanced Vehicle Technologies at the IMECE-2001 in New York, November 2001. There were 21 papers in that symposium which were organized in four sessions. Another symposium is planned for the IMECE in New Orleans in November 2002.

**j) Vibration and Sound (Han – did not attend the meeting):** The main activities of this committee include: (1) election of new officers to the committee, (2) TCVS By-Laws changes, (3) plans for the 2003 and 2005 IDETC and Vibration Conferences, (4) symposia/sessions sponsorships and plans at 2002 IMECE, 2002 and 2003 Design Shows. [Written report submitted.]

#### **LIAISON REPORTS:**

**a) Headquarters (Goldfarb):** [Similar to the report in the Exec Comm meeting on 9/29/02 – refer to the Minutes of that meeting.]

**b) Systems and Design Group (Velinsky):** [Similar to the report in the Exec Comm meeting on 9/29/02 – refer to the Minutes of that meeting.]

**c) Journal of Mechanical Design (Tsai):** Number of submissions to the journal has been steadily increasing from 191 in 1998 to 241 in 2001 and as of September 1, 2002 the journal has received 132 papers for 2002. Page allocation has been increased to 900 pages and as a result backlog has been improved. Paper acceptance of the journal is currently about 45% to 50%. Almost all of the 1999 papers have been resolved, only 12% of the papers received in 2000 are still under review. Also, 43% of papers received in 2001 and majority of papers in 2002 are still under review. Three new Associate Editors are appointed and one delinquent AE has been removed with the delinquent papers re-assigned to two former AEs. [Written report submitted.]

**d) Journal of Vibration and Acoustics (Bergman – did not attend the meeting):** The journal currently has a total of 14 Associate Editors. During FY 2000 and 2001, the journal had on the average/yr about 155 assigned papers with about 50% of the reviewed papers accepted. On a quarterly basis (Jan, Apr, July, Oct), the average number of days to review papers has decreased from 545 days in Jan 2001 to 312 days in Oct 2002. As of 7/31/02, there are 175 outstanding papers and the acceptance rate for 2002 has been about 56%. With the upcoming retirements of several AEs, there will be new AE nominations shortly. [Written report submitted.]

**e) ASME/IEEE Trans on Mechatronics (Mavroidis):** The journal has grown significantly in the last five years: with 312 printed pages in 1997 compared to 552 in 2001, and

56 papers submitted in 1997 compared to 104 in 2001. The quality of the published papers has been increasing as well: the current acceptance rate is about 38-40%. The journal has organized 9 focused sections during 2001-2003. The focused sections were a major contributing factor to the growth and success of the journal in recent years. [Written report submitted.]

**f) Journal of Computing & Information Science in Engineering – JCISE (Shah):** This is the newest ASME Trans. Primary sponsor of the journal is CIE. However, DED had a big role to help with the approval of the journal. Ravani helped with the operation manual, following the JMD manual. DED is currently the cooperating division. It is proposed that DED to have a stronger involvement with the same privileges as CIE. The journal has received 120 papers with 25% acceptance rate (33% with the special issue). Currently, for accepted papers it takes one year from submission to appearance in the journal. Some of the problems facing JCISE at this time: (i) there is no backlog – causing delays in publication, (ii) unable to fill page allocation, (iii) lack of high quality papers, (iv) difficult to find new qualified AEs in AI/knowledge based systems, embedded computing, and virtual reality/simulation, (v) need more international representation and women on editorial board. [Written report submitted.]

**VICE CHAIR’S & TREASURER’S REPORT (Ravani):** [Similar to the report in the Exec Comm meeting on 9/29/02 – refer to the Minutes of that meeting.] A draft of a Strategic Plan for comments was presented. Shortly, a written report is to be submitted for comments.

**TECHNICAL COMMITTEE LIAISON & IMECE (K.C. Gupta):** [Similar to the report in the Exec Comm meeting on 9/29/02 – refer to the Minutes of that meeting.]

**IDETC TECHNICAL CONFERENCES (Sinha et al.):** [Similar to the report in the Exec Comm meeting on 9/29/02 – refer to the Minutes of that meeting.]

**IMMEDIATE PAST CHAIR & ADVISORY COMMITTEE (Segalman):** [Similar to the report in the Exec Comm meeting on 9/29/02 – refer to the Minutes of that meeting.]

**CONSTITUTION & BYLAWS (Vance):** [Similar to the report in the Exec Comm meeting on 9/29/02 – refer to the Minutes of that meeting.] Proposed changes to Bylaws and Operating Procedures are approved.

**NDEC (Hirsch):** [Similar to the report in the Exec Comm meeting on 9/29/02 – refer to the Minutes of that meeting.] Among others, each technical committee is asked to recruit a member to serve as the NDEC session organizer. The name of this person should be forwarded to NDEC chair no later than the next DED meeting in Chicago which will be held in early March 2003. [Written report submitted.]

**GOVERNMENT RELATIONS (Anderson – did not attend the meeting):** The report provides a summary of issues in the ASME Capitol Update Newsletter that may be of interest to DED. These include: House of Representative and Senate activities such as approval of Appropriation Bill for DOD S&T programs; “Technology Talent Act”; and NSF funding over 5 years. It also includes a summary of related ASME committee reports and other information. [Written report submitted.]

**HONORS AND AWARDS (Mistree - – did not attend the meeting):** (Mistree’s report was presented by Chase) It is recommended that every Technical Committee should have a member in

the H&A Committee. It was announced that the (incoming) chair of H&A Committee is J. Davidson.

**INTERNATIONAL ACTIVITIES (Doepker):** The first Symposium on International Issues in Engineering Design was held at IDETC in Pittsburg in 2001. The next Symposia is scheduled for 2004. Collaboration with ICED (managed by the “Design Society”), MOVIC, and SEED will continue. ASME established a formal agreement with the Design Society in Europe. The nomination of Warren Seering to serve as the liaison from DED to the Design Society was approved. [Written report submitted.]

**USCToMM (Waldron):** The primary focus at this time is the World Congress in China which will be in August 2003. Everything is in place for a successful meeting. Ken will step down, after three terms of service (thanks a lot Ken for your service!), and nominated Dinos Mavroidis to be the new US liaison to IFToMM. [Written report submitted.]

**FELLOW NOMINATIONS (Hirsch):** Several members of our division were elected to the grade of Fellow. In particular, it was acknowledged that Dr. Crispin Hales was elected to the grade of Fellow and presented him with the certificate and other memorabilia. There will be some changes shortly announced by the ASME that will make it easier to nominate fellows. DED has only 1.2% of its members as fellows and the only way to improve this is to have members of TCs to nominate more people from DED. [Written report submitted.]

**PUBLICITY & NEWSLETTER (Wang - did not attend the meeting):** No report

**STUDENT AFFAIRS (Larochelle):** Developed a DED Student Center web page which has been completed with a link to the DED’s homepage. The purpose of the DED Student Center is to create a significant presence on the DED homepage that is informative and attractive to students. [Written report submitted.]

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

**INFORMATION MANAGEMENT (Gooch - did not attend the meeting):** 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):** Visit the web site: <http://www.asme.org/education/precollege/index.htm> to learn more about other programs the ASME partners with to support our youth. [Written report submitted.]

**OLD/NEW BUSINESS:** None

The meeting adjourned at 5:15 PM.

Respectfully submitted,

Shapour Azarm  
Secretary