

ASME Design Division General Committee
Meeting Minutes, September 11, 2001
Liberty Room, Hilton, Pittsburgh

Present: B. Balachandran, L. Bergman, T. Chase, F.M. Goldfarb, K.C. Gupta, C. Hales, L. Howell, K. Jacobson, K. Kazerounian, P. Laroche, D. Mook, R.K. Paasch, J. Rastegar, B. Ravani, D. Segalman, A. Shabana, S. Sinha, M. Stanistic, R.H. Sturges, C.A. Tan, L.W. Tsai, J. Vance, S. Velinsky, K. Waldron, K.W. Wang, J. Wesner

[Due to the shocking and tragic events of the day, the mood of the participants was quite somber. The General Committee meeting typically runs 3-4 hours, but this day, the entire agenda was covered in one-and-a-half hours. Many reports were just distributed without much discussion. I forgot to pass around a sign up sheet and I have reconstructed the names of people present (above) from my notes on the reports presented as well as from my memory. Any corrections for additions or deletions will be appreciated.]

[Whenever there were written reports, I have tried to include very brief summaries of key items of interest within these Minutes.]

The Meeting was called to order by Dan Segalman (Chair) at 4:00 PM.

Minutes of the March 5, 2001 Meeting (Chicago) were approved.

Executive Committee (Segalman) - A brief oral report was presented. Many of the participants also attended the Executive Committee meeting on September 9. The summary from the Executive Committee Minutes as reproduced here: "*The Division remains healthy and vibrant. However, there is a need for better communication between the Executive Committee and the Technical Committees. At least one Executive Committee member should be present at each of the Technical Committee meetings. NDEC/Reed problems and negotiations are continuing. IMECE session allocation process and approval delays remain a source of frustration. F. Mistree has gotten a good handle on the honors and awards, although more needs to be done to streamline the overall process. It is also important for the Division to preserve its "knowledge-base," and one approach would be to develop handbooks or guides for all positions or offices.*"

Design Automation (Vance) - There was a good level of participation within the Committee in organizing the Design Automation Conference. The number of DA papers met the expectations. The Mechanisms Committee also made a good contribution.

Design for Manufacturability (Sturges) - DFM is participating in IDETC 2001, IMECE 2001, and NDEC 2002 (or its replacement) conferences. It is also exploring other possible "outreaches," such as IEEE, JUSFA, IASTED, etc. Officers through June 2003: Chair - R.H. Sturges, Vice-Chair - D. Kazmer, Treasurer - V. Jamalabad, Secretary - S.K. Gupta, Newsletter - B. Parker, H&A - *open*, Past Chair - K. Jacobson. (Report)

Design Theory & Methodology (Paasch) - DTM prefers to run sessions in a single-track. It is moving to electronic paper review. The Committee meeting is yet to be held.

Mechanisms (Tsai) - Committee contributed papers and sessions to IDETC 2001 through the Design Automation Committee. Stanisis is the liaison for NDEC 2002. At IDETC 2002 in Montreal, the Mechanisms Conference will try poster presentation format in addition to the tradition presentation format. IDETC 2004 will be in Salt Lake City. IDETC 2006 will be in Quebec, Canada. Several sites for IDETC 2008 are under consideration: Atlanta, Philadelphia, St. Louis, ...etc. (Oral/Written Report)

Reliability, Stress Analysis, and Failure Prevention (Sancaktar) - A summary of activities is as follows: IDETC 2000 (5 sessions, organizer - Savage), IMECE 2000 (3 sessions), IDETC 2001 (2 sessions, organizer - Scavuzzo). The Committee needs participation by younger members. Sancaktar's term as Chair has ended, but the Committee has not run new elections due to the lack of active members. (Written Report)

Vibration & Sound (Tan) - Professor Y.K. Lin is the recipient of the Den Hartog Award, and Dr. V.I. Melnikov is the recipient of the Myklestad Award. Three new Committee members are J. Dohner (continuing), S. Dyke, B. Feeny, S. Natsiavas. The Committee is quite active in organizing sessions at IMECE 2001 and IMECE 2002. The Vibrations Conference at IDETC has 350+ papers presented in 25 symposia (92 total sessions). IDETC 2003 will be Chicago (<http://www.me.uic.edu/DETC2003>); Chair - A. Shabana, Vice Chairs - K.W. Wang and J. Renaud. The conference will run on Tue-Sat schedule, immediately after the Labor Day. A decision will be made soon about the site for IDETC 2005. It is being planned jointly with CIE. The Committee also contributes few sessions at NDEC (3 in 2001; 2 in 2002). L.A. Bergman has appointed 3 new Associate Editors for the *JV&A*: Cusumano, Farrar, and Ohayon. The Committee's home page is at <http://www.me.psu.edu/tcvs> .
(Oral/Written Reports by Tan)

Constitution & Bylaws (Vance) - Judy Vance has just taken over the charge from K.W. Wang.

Division Newsletter (Wang) - K.W. Wang is the new Editor for the DED Newsletter. A vote of thanks was approved for the outgoing Newsletter Editor, K.C. Gupta. [Thanks folks!]

Fred Goldfarb (*ASME Headquarters*) - Design Division has 12,003 Primary Members, 9,867 Secondary Members, and 14,608 Other Members (student, etc.), for a grand total of 36,478 Members. Mr. J. Liu has joined as the Engineering Program Administrator. Thomas Loughlin has replaced Charles Beardsley as the Managing Director of Programs. The COE is reviewing all aspects of operations. A web-based conference management system is being developed in-house. A 9-page tabular report, "ASME Active Members Demographics Report, June 30, 2001" was included. From IMECE 2000, a total of \$2,228.19 was distributed to participating Technical Divisions, and the Design Division received \$143.31. (Written Report Distributed)

Systems & Design - no report. However, John Wesner mentioned that the Technical Committees should provide keywords for the areas that they are active in.

Journal of Mechanical Design (Tsai) - Six new or continuing Associate Editors have been appointed: A. Shabana (DA), D. Yang (M&R = Mechanisms & Robotics), M. Raghavan (M&R), J. Rastegar (M&R), A. Kahraman (PTG), J. Moosbrugger (RSAFP). Beginning January, 2002, electronic submissions will be required. Tables presented statistics on the disposition of papers from 1998 - 2001 (only Jan - Jun for 2001). Acceptance rates have been 51% for 1998, 61% for 1999, and 47% for 2000. (Written Report Distributed)

Journal of Vibration and Acoustics (Bergman) - Data on the disposition of papers in 2000 and 2001 (to date) was included. The acceptance rates have been 50% in 2000 and 61% in 2001 (as of 8/01). The journal page allocation is 600 pages, and 476 pages were published in 2000, and 561 pages (est.) will be published in 2001. (Written Report Distributed)

Vice Chair's & Treasurer's Report (Chase) - A reference was made to the detailed report presented at the Executive Committee. Excerpts: "*The main custodial account balance, as of 6/30/01, is \$254,878.80 (after known encumbrances, the net balance is \$224,788.80). The combined value of the "custodial" account and all of the "attached" accounts (#5XXX for committees, awards, etc.), as of 6/30/01, is \$292,459.97.....For IDETC 2000, a proposal was made to account for the paper acceptance rates--that the papers from TCs with less than 50% acceptance rates be double-counted (- weighted).....it was decided to apply this formula for IDETC 2000 only.....For budgeting purposes, 8% of the closing net balance of the main custodial account is used for the operational budget for the next year. The planned operating budget for 2002-03 is \$18,000 (~ 8% of \$224,788.80). Requested allocations will be discussed at the March, 2002 meeting (Chicago).*"

IDETC Conferences (Sinha)

IDETC 2001 (Pittsburgh) - Mook reported that the number of paid registrants was 703, and the total headcount was 846 (include. students, ASME staff, committee attendees, other visitors).

IDETC 2002 (Montreal) - Detailed information is available at the conference web site (<http://www.caip.rutgers.edu/ASME2002/index.html>). There should be a larger involvement by the industry. Several receptions (3 - 4) are being planned. A research workshop is planned for Wednesday. Two trial symposia will be tried. (Written Report/Kazerounian and Rastegar)

IDETC 2003 (Chicago) - Detailed information is available at the conference web site (<http://www.me.uic.edu/DETC2003>). (Written Report/Shabana)

IDETC 2004 (Salt Lake City) - Fall of 2004 at Down Town Hilton

IMECE (Ravani) - There was a lot of confusion with the Program of IMECE 2001. Things should improve for IMECE 2002.

Immediate Past Chair & Advisory Committee Report (Waldron) - The Advisory Committee met on September 9 to discuss several issues: local section involvement with IDETCs, Division H&A, communications with Technical Committees, Technical Committees' affiliations with IDETC, NDEC, IMECE; a proposal to send a formal letter to ASME HQ on NDEC/ASME/Reed issues. Nominations for one Executive Committee member are also due.

NDEC - Chase reported that a letter to Jim Reffelt at ASME, with cc: to Belden, Loughlin, etc., has been sent by Dan Segalman (see above also). Plans for NDEC 2002 are still fluid, and a backup plan with Down Town Marriott is also being developed. A critical deadline for planning is October 15.

Dick Hirsch sent a written report on NDEC 2001. ASME sponsored 16 sessions (398 attendees), of which, DED sponsored 12 sessions (317 attendees). Within the Division, DFM sponsored 8 sessions, Education 2 sessions, and TCVS 2 sessions. Total income to ASME was \$55K, of which, \$27.5K was distributed to the participating ASME Technical Divisions, and the DED share was \$21.9K. The current Division policy for NDEC income is to distribute the *lessor* of (i) Division's NDEC income, and (ii) \$3K, to the participating Technical Committees. The following distributions will be made: \$2000 to DFM, \$500 to Education, and \$500 to TCVS, in proportion to the number of their contributed sessions. (Report)

USCToMM (Waldron) - 11 th World Congress of IFToMM will be in Tianjin, China, August 18 - 21, 2003. ROMANSY Conference will be in Udine, Italy, July 1-4, 2002. The Advances in Robot Kinematics (ARK) will be in Caldes de Malavella, Spain, June 24-28, 2002. Waldron's term as IFToMM President is to December 2003. IFToMM web page is at <http://www.caip.rutgers.edu/IFTOMM/>. (Written Report Distributed)

Student Affairs (Larochelle) - With the support of \$2,500 from the Division, a DED Student home page has been developed and linked to the DED web site: <http://www.asme.org/divisions/ded/index.html>. The Committee is also actively involved in the ASME Student Design Contest: <http://www.asme.org/students/Competitions/designcontest/index.html>. Division Chairs attended the ASME Congress Student Receptions in 1999 (Hales) and 2000 (Waldron). (Written Report Distributed)

Fellow Nominations (Hirsch) - Written Report

International Activities - Hale (for Doepker) noted that the First DED Conference on International Issues in Engineering Design has been a success.

Honors & Awards - A written report submitted by H&A Chair Farrokh Mistree was discussed briefly. This report included many suggestions for the overall H&A process:

nomination, selection, presentation, budgeting, endowment, and publicity. An **ad-hoc committee** was appointed to develop guidelines for the future: Ravani, Hales and Velinsky.

Special Committee on K-12 Awareness in Design (Jacobson) - This new committee was established by the Executive Committee on September 9 to promote awareness of engineering design among young boys and girls, and their school teachers.

Design Education - no report

Fastening & Joining - no report

Power Transmission - no report

Vehicle Design - no report

ASME/IEEE J. Mechatronics - no report

Government Relations - no report

Member Interest - no report

Information Management - no report

Old Business - none

New Business - none

The meeting adjourned at 5:30 PM.

Submitted,

Krishna Gupta
Secretary

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