

MINUTES OF DED GENERAL COMMITTEE MEETING

Tuesday 9/12/00

12:40 p.m. Douglas Room, Omni Inner Harbor Hotel, Baltimore

Present:

Bala Balachandram, Tom Chase, Phil Doepker, Mark Ganter, Fred Goldfarb, Krishna Gupta, Crispin Hales, R. Hirsch, Kathy Jacobson, Lucy King, Al Kurzenhauser, Harvey Lipkin, Bahram Ravani, Erol Sancaktar, Dan Segalman, Ahmed Shabana, Subhash Sinha, S.V. Sreenivasan, Judy Vance, Steve Velinsky, Ken Waldron, and John Wesner.

Vice Chair, Dan Segalman called the meeting to order.

Minutes were accepted as amended in discussion this morning.

Guidelines were distributed for IMECE 2001 in New York to those technical committees that want to participate. Call for papers are due Sept. 29,2000. The technical committee chairs need to notify Baharan Ravani about their designated IMECE coordinators.

Committee Reports

Design Automation Committee:

Mark Ganter reported for new committee chair. Main items of paper review activities were 140 papers submitted, 123 papers accepted and 4 papers withdrawn. Tim Simpson volunteered to handle their web page and the e-mails.

Design for Manufacturability: (Kathy Jacobson)

IMECE will have four DFM sessions in November. NDEC will have eight DFM sessions in March 2001. DETC 2000 has very good turnout in DFM sessions. Dave Casmere will be the chair for the DFM Conference in 2001; Iran Tumor for 2002. There have been 63 papers submitted and 44 accepted. The new web page should be on-line very soon. (Written report was distributed)

Design Theory Methodology: No Report.

Fastening and Joining: (Tony Lucscher) Report postponed

Mechanisms: (Harvey Lipkin)

Mechanism Committee did not have its meeting yet. Lung-Wen Tsai will be taking over as the chair next year.

Special Sessions:

1. Rapid Prototyping of Mechanisms and Robotic Systems
2. Medical Devices and Mechanical Design for Medical Applications (may be able to get more sessions)
3. MEMS

Following this conference, there will be a one-day workshop, organized by Steve Derby, V.J.

Kumar, and Sridhar Kota, in cooperation with NSF. This is to look at human-assistant devices for medical applications and in the industry.

Need to locate the money generated by tutorial sessions in 1998.

There will be a list of all account numbers on the web. Balances will be e-mailed to each committee.

Education Committee: (Lucy King)

Organized the first symposium; *Mechanical Engineering Design Education Issues and Case Studies*. IMECE 2000 - Proceedings have been printed.

Design for Safety and Early Detection of Failure-Bruce Lane and Wayne Christensan, from the Institute of Safety Through Design, have offered the Design Software for educational use and have put out a call for proposals. Six universities have signed up for the software and they have been working with Bruce and Wayne and using it in their curriculum: University of Michigan, Clemson, NC A & T University, University of California at Berkeley, Central Michigan, and University of Akron.

Activities: Triodine Safety Award was given to Dr. Gunnar Heskestad for fire safety. A suggestion was made to give the Triodine Award at IMECE.

RSAFP: (Erol)--Sinha read his report. (attached)

Vehicle Design - No report

Vibrations: (S. C. Sinha)

Last meeting was in March

New Officers:

Chin Tan - Chair

Ray Hahn - Vice Chair

Buddy Clark - Secretary

Six new members were elected to a three year term (list attached in Chin 's report)

Eleven sessions for IMECE

Dynamics Acoustics and Simulation - 7 sessions

Vibration and Control of Continuous Systems - 3 sessions

Active Control of Vibration and Noise - 1 session

George Flowers is the new IMECE coordinator from TCVS.

Report from Executive Committee: (Ken Waldron)

Division started transferring money into the accounts for each of the technical committees. Dan can tell you how much was transferred. These accounts are for special projects. Committees still need

to request budget allocations for their routine activities.

There was a subcommittee report on moving around some of the division funds. There are a number of division and major committee awards that need to be properly endowed. The subcommittee has begun a procedure to start to channel some of the funds into those award accounts.

A Task Force has been put into place regarding the issues surrounding the Congress, and to help build the attendance. Input needs to be provided. Byron is the contact person.

National Manufacturing Week:

Reed has decided to restructure the conference with a smaller number of sessions. We will be responsible for a larger proportion of those sessions. Dick will report more fully on it later.

2001 - Bala is the Program Chair and Dean Mook is the Conference Chair.

2003 - Reported this morning.

Fastening and Joining: (Tony)

Twelve people have expressed a strong interest in becoming members--will email to Sinha.

Tony distributed a 2-page report.

Requested help for the committees. Need interaction among the committees.

Erol - Fracture Award - A large sum of money (\$10,000) has been endowed by Mr. Orr for the best paper in the area of fracture. Need to establish a procedure for nomination--would like to make it as comprehensive as possible.

Liason Report: Fred- ASME is pursuing a program to be put on later this year with short courses.

Vice Chair Report: (Dan Segalman)

Division's financial position is very good. Subaccounts are being set up for each award and for each technical committee. The intention is to create a link on the Division web page indicating the account numbers so that the committees can keep up with their balances.

There is a budget allocation process for routine expenditures. A budget is approved every March in Chicago. The general principle is that all expenditures from the Design Engineering Division General Custodial Fund require the approval of the full Executive Committee. The procedure in general is that you must notify Dan of the expenditures you wish covered along with the receipts. Dan will notify Fred who will generate a form which Dan and I will have to sign off on. Then ASME will cut a check. If the budgeted funds are not used, then you lose the money. There are a lot of committees that don't ask for refunds of expenditures.

Council of Engineering has become interested in long range planning. Crispin has been working on that. Notes will appear in the Executive Committee minutes. Information will be accessible on the Division web.

Fellow Nominations Committee: Two nominations have been submitted. Forms are available on the ASME web page.

Design Engineering Conference: Last year, for the first time, we instituted a system where the committees that participate in the conference get some money back from the income. The Division received about \$17,600 in income. The allocation that was set up at that time was that one-quarter of this income, or \$3,000, whichever was less, was to be distributed to the committees.

DFM Committee received \$1,928
Educational Committee received \$857
Vibrations Committee received \$220

The whole format has changed for the conference in 2001. There will only be two days of sessions and only 32 sessions. Sixteen sessions will be put on by ASME, eight from the DFM Division and eight from the committees from this Division. Each session will be 75 minutes. New contract will probably bring in a lot more money. Division of monies has not yet been decided.

Lung- Wen Tsai - *Journal of Mechanical Design*

Submission of papers has increased over the last two or three years. There are very few papers in the backlog. This year we have published 31 papers in two issues and we have four more issues to go. There are more Associate Editors this year than ever (14).

Larry Bergman- *Journal of Vibration and Acoustics*

[Tables are hard to interpret]
120 papers assigned since January 1st
184 papers are outstanding
Acceptance rate is 50%
39% rejected
12% withdrawn
Five associate editors are signing off

ASME IEEE Journal on Mechatronics - Very little activity. Encourage committees to consider developing interest groups in Mechatronics.

A new ASME Transaction Journal has started up. It is primarily coming out of CIE. Alan Parkinson is our representative. It is not in competition to our established journals. Jamie Shah from Arizona State University is the Technical Editor of the journal.

IMECE - Conference

Requested 28 sessions, but were awarded only 20 sessions. However, we got two industrial sessions, one additional session from group representatives, and one additional from Systems Dynamics. We also were able to get five additional sessions from TCVS for a total of 29.

Guidelines for IMECE 2001 in New York: The first deadline is September 29th. If your committee plans on participating, you must meet this crucial deadline.

Don is the new Highlight Theme Chair for 2001.

"Progress Through Partnership--Team Approaches for Today's Economy" is the Highlight theme.

A suggestion was made to get better quality papers. Feedback on the conferences has been very low. The feedback forms end up with the Conference Chair several months after the conference. A suggestion was made for the Conference Chair and Co-Chair to write an evaluation report at the end of the conferences.

IDETC Executive Report:

Need to start planning four or five years in advance. Power Transmission and Gearing are realigning themselves with odd year conferences. Arguments were made both for and against this move. It was agreed that the move would be for the best.

Reports were given by the four conference chairs:

DETC 2000 - Chair - Lung-Wen Tsai: Expects 600 people to attend, but based the budget on 450 people. He also gave a general report on DETC 2000. It was suggested that a common software needs to be used for all papers.

DETC 2001 - Pittsburgh, PA. Balachandran: Room rate \$130.00 per night.

DETC 2002 - Montreal, Canada. Sheraton, downtown, \$155.00 per night. A symposium on Engineering Design and Culture is also being planned to bring representatives from different countries to talk about what design means in their own cultures. Everything is on track. Web page will be up in two weeks.

DETC 2003 - Chicago, IL, at the Mariott Hotel, Michigan Ave. (downtown) The rate will be \$175.00 per night. Tutorials will be at the end of the conference, instead of the beginning.

There was a lot of conversation regarding the room rates and trying to keep rates under \$200.00 per night.

Immediate Past Chair: (Crispin Hales)

Need to bring in all of the technical committees. Several technical committees did not contribute anything last year. He asked for all tech committees to contribute something in the next five days. Minutes of the committee meetings can be put on the web. The incoming Newsletter editor is Krishna Gupta. Need to know new e-mails and addresses. We should not forget about the old awards and we also need nominations for the awards. New membership numbers are flat. New ideas are needed for growth in the division. Need nominations for the executive committee member.

Constitution & By-Laws: Systems and Design Group - Tom Chase has everything in place.

Government Relations: No report

Honors and Awards: No report (was discussed earlier in the Exec. Committee meeting)

International Issues:

Minutes were distributed. A call for papers was distributed and is on the web. Names of co-chairs were given. The goal is 25-40 papers. Newsletter will be sent out to those who have attended this conference for the last three years.

IFTOM (International Federation of Theory of Machines and Mechanisms):

Written report was passed out. IFTOM is an international organization with 42 or 43 member countries. ASME is the affiliate organization for U.S.

Membership Interest and Development: (S.V. Sreenivasan)

Membership is down. (Primary and Secondary)

Publicity and Newsletter:

Newsletter did not get out in Summer'00. It was suggested that if Tom Libertiny doesn't have his material ready to send to ASME, then have him send it to Krishna Gupta, the incoming Newsletter Editor. Division web site is www.asme.org/division/ded

Student Affairs: (Pierre Larochelle)

Student design competition was discussed. Ken was asked to be at the Congress awards. He agreed. Students also want to get the Newsletter, but they are not included in the ASME mailing list. A suggestion was made to notify the students of its availability on the Division web site through the officers, with a hard copy to sent to the officers.

Old Business: None

New Business:

ASME LDI Program: A great way to get introduced to the upper echelon structure of ASME.

Motion was made to adjourn!!

Submitted by

Subhash Sinha
Secretary

[with minor editing/proofreading by Krishna Gupta]

