

**ASME Design Engineering Division General Committee Meeting  
Meeting Minutes, September 4, 2003  
Great America I/II, Chicago Marriott Downtown  
Chicago, IL**

**Present:** S. Azarm, T. Chase, J. Davidson, G. Fadel, G. Flowers, F. Goldfarb, S. Gooch, K. Gupta, C. Hales, H. Hamidzadeh, R. Hirsch, D. Kazmer, K. Kazerounian, V. Kumar, D. Lee, S. Magleby, A. Parkinson, B. Ravani, J. Renaud, A. Shabana, K. Shimada, S. Sinha, C.A. Tan, H.S. Tzou, J. Vance, W. Wood

**Call to Order:**

The meeting was called to order by Bahram Ravani (chair) at 8:15 am.

**Approval of Minutes:**

The minutes of March 2, 2003 (Chicago, IL) were approved.

**Report of the Executive Committee (Ravani):** (verbal report)

There will be a division retreat on Saturday to discuss the implications of the COE reorganization plan. A name change for the division will also be discussed at the retreat. One suggestion is to change the division name to Design and System Integration Division. The division needs to be exploring the type of unit it wants to become. One option to consider is forming an institute. An institute is self-supporting and has its own staff. In order to broaden our efforts outside of the division, Executive Committee members will be appointed liaisons with the Council on Codes and Standards, the Council on Education and the Council on Government Affairs. Another idea to be discussed at the retreat is the formation of an industrial advisory board for the division.

**Vice Chair/ Treasurer's Report (Sinha):** (written report)

Balances shown are as of May 31. That is the most recent reporting period available from ASME.

**Past Chair's Report (Chase):** (written report)

Action items remaining from last year are attached. We are still trying to finalize financial arrangements with Mechatronics Journal. There will be another joint dinner with the Chicago section at the Spring meeting. Crispin Hales will be the speaker and we intend to publicize this dinner more widely this year. There may be opportunities for the Design Education Committee to become involved in a discussion concerning the acceptance of statewide professional exams on the international level. Crispin Hales will contact Tim Jur to ask him to chair a subcommittee to look into licensing issues. David Kazmer volunteered to work with others on this issue.

**ASME Liaison Report (Goldfarb):** (oral report)

ASME is going through a reorganization to expand our activity base and marketplace. Information can be found on the COE website. Membership is going down and costs are going up. The Division is being asked to determine what type of organizational entity it would like to be. An Institute is a self supporting type of group that looks for new

business, etc. Revenue from this conference is \$54,000 over estimates. We budgeted for 640 attendees and our total attendance as of today is 893 which includes 220 students and 55 others. A month ago we were really worried because everyone registered late and reserved hotels late. This group has been great because you keep on top of things.

**Honors and Awards (Davidson):** (oral report)

The luncheon today will benefit greatly from Farrokh's work. Two people are going off the committee and Alan Parkinson is coming on. We have at least one nomination for each of the three major awards: Machine Design, Spira, and DaVinci. Richard Hirsch inquired if all of the awards had sufficient funds. Tom Chase replied that all of the awards do have funds. The Spira was at \$30,000 but has gone down to around \$25,000. New awards should be endowed with \$50,000 but this is not retroactive. Crispin Hales offered to help Joe with the awards. We should get information for each award up on the web and also make sure that the certificates and medals have detailed citations relating to each recipient. Shapour Azarm asked who was presently on the awards committee. Joe Davidson responded that Mike McCarthy, Alan Parkinson, Brian Thompson, Charles Wu are current members with one vacancy. The procedure for turning a committee award into a division award is to raise \$25,000.

**Constitution and Bylaws (Vance):** (written report)

The changes to the bylaws need to be approved by the COE. It was suggested that Bahram Ravani appoint a replacement for Judy Vance since she has assumed the role of secretary for the division.

**IDETC Technical Conferences (Azarm)**

- 2003 (Shabana) (oral report)  
The conference is going well. Currently there are 840 participants. The conference budgeted for 515 paid registrations and we currently have 621. Joe Davidson asked how many participants are attending the Power Transmission and Gearing Conference and he noted that conference generally draws a lot of industry people. Fred Goldfarb said we could find out how many people associated with that Conference by getting a summary of those who checked off that affiliation on the preregistration forms.
- 2006 (Kumar) (powerpoint presentation)  
A slide show was presented. Conference organizers include Vijay Kumar (U Penn), Suresh Ananthasuresh (U Penn), Karl Ulrich, Bill Regli (Drexel). The conference will be held in Philadelphia at the Marriott or the Wyndham Franklin. The hotels are 1.5 miles from U Penn and located at the city center. There are 5 universities in Philadelphia with engineering programs: U Penn, Drexel, Villanova, and Temple. Industrial tours are planned at Visteon, Boeing Helicopter, GM Saturn Assembly Plant and Glaxo Smith drug assembly. Hotel costs will be similar to this year. It was noted that in Montreal, there were 500+ attendees but 40% went to other hotels. There was discussion on the choice of dates. Tom Chase said that the 1996 conference which was held in August was a low attendance. Vijay Kumar suggested that the Europeans won't come in August because that is generally their vacation month. If it was held in August, several of

the meetings could be held at the university and that would allow the conference to use several lower cost hotels for lodging. Joe Davidson suggested we identify how many attendees actually come from Europe. Crispin Hales mentioned that we need to be careful looking at an August date because the ICED conference is always held in August. Bahram suggested that Vijay look into the numbers and present them at the Spring DED meeting so a decision on the date can be made at that meeting.

- 2005 (Hamidzadeh, Lee) (oral report and powerpoint presentation)  
The conference will be held at the Long Beach Hyatt Regency, Sept 25 – 28, 2005. The conference committee is setting up more interaction opportunities as well as a family program. The Long Beach Convention Center is adjacent to the Hyatt Regency and meetings will be held there as well. There will be 25<sup>th</sup> anniversary activities for CIE planned. The budget has not been worked out yet, but the conference organizers will sit down with Tim (?). Subhash mentioned that budgets should be available from previous odd year conferences.
- 2004 (Parkinson, Magleby, Howell) (oral report)  
The conference will be held at the Hilton Salt Lake City Downtown, September 28 to October 2, 2004. The hotel is 15 miles from the airport. 16,000 copies of the call for papers have been mailed. The conference chairs met for breakfast this morning and were given preliminary room allocations. Each conference received a block of rooms in a zone. The conference co-chairs are considering using the ASME web tool. The group is willing to give it a try but want to practice first. Several people at the conference have used E-Lane and Jami Shah provides considerable support for this service. The ASME web tool requires abstracts that we are generally not requiring so this will be a change. One advantage of using the ASME web tool is that all of the data will be in one database and that will eliminate translation errors. If we use the ASME web tool we may not print a book of abstracts since the abstracts will be online. Subhash Sinha suggested we have a teleconference to demonstrate the web tool. Alan Parkinson said that within 30 days the conference co-chairs will make a decision on whether to use the ASME web tool and whether to print an abstract book. Crispin suggested some work is needed on the web site. More coordination is needed between the individual conference web sites and the DETC website so that all of the information on the conference is clear.
- Future conferences (Azarm) (oral report)  
For 2007 there is one letter of intent. H.S. Tzou said Louisville or Cincinnati are options, however Cincinnati might not be very attractive to attendees. New Orleans (Tulane University), Las Vegas, Houston or Orlando might be option. The program chair is yet to be determined. Bahram Ravani said that DED will need a proposal by January 2004. For 2008 there is a letter of intent from Farrokh Mistree (Georgia Tech) and one from xxx Rastegar (Steven's Institute) for New York City.

**Student Affairs (Larochelle):** (powerpoint presentation)

A graduate student luncheon was held yesterday. 15 students were invited and only 8 attended because of a communication problem. It was noted that 25-35% of the attendees

at the conference are students. At this conference 272 students are attending. The students suggested the following:

- Hold more mini tutorials
- Arrange organized practice time with constructive feedback from select conference attendees
- Receive the CDROM proceedings
- Attend the luncheon for a nominal fee
- More awards for students
- Alternate hotel arrangements available
- Welcome message in the program for students
- Tours of a local university
- Soccer/basketball/volleyball
- Workshops and tutorials on proposal writing
- Networking opportunities
- Graduate student distinction on conference badges
- Graduate student liaison per conference

Crispin Hales commented that this is the best thing we've ever heard from students. Ahmed Shabana thanked Pierre for his work.

**Tech Committee Liasion and IMECE (Gupta):** (oral report)

There is some confusion when people leave their leadership roles. The committees need to make sure that the new people know what is going on. Each committee has a sub account in the budget. At the March meeting we solicit proposals for funding. These proposals should go to Judy Vance and Subhash Sinha. The Design Education Committee needs help from all of us. Arranging IMECE took a lot more time that what was anticipated and the Division doesn't receive much in income for this effort.

- **Multibody System Dynamics (Shabana)** (oral report)  
Ahmed Shabana presented a proposal to change the name of the committee from Multibody System Dynamics to Multibody Systems and Nonlinear Dynamics. Bahram attended the committee meeting that was held last night. Krishna Gupta moved that the name change be accepted and Tom Chase seconded. The committee vote was unanimous.
- **Design Automation (Fadel, Shimada)** (oral report)  
At this year's conference, 212 papers were submitted and 140 were accepted. The acceptance rate was lower than in past years. The mechanisms papers were included with the Design Automation Conference in this off year. There were 33 sessions held at this conference. At the DAC meeting last night, 40-50 members attended. This coming year we will be revising the bylaws.
- **Design Education**  
Crispin Hales mentioned that this committee needs the most help. He has talked with Phil Doepker about this and it was also discussed at the executive committee meeting.
- **Design for Manufacturing Committee (Kazmer)** (oral report)  
The committee is stepping up the number of sessions at the NMW for next year. Dave Kazmer will also organize sessions at IMECE. They are looking at 4

sessions back to back. This conference is important to us because of the 50/50 mix (??). Bahram Ravani mentioned this is an issue that I have concern about because we do not receive much income from the IMECE and we don't have any control over that conference. David said that is true because this year we have one session at 7:30 am and one session at 7:30 pm. The committee is pleased that they now have someone on JMD editorial board.

- Design Theory and Methodology (Wood) (oral report)  
The committee went from 65 submissions last year to 100 this year and is sponsoring 12 full sessions. International attendance is good and is responsible for 40% of the papers. The committee is continuing activities with the Design Society. In the past we received \$6000 from Xerox which was lost by ASME. Bahram Ravani will work with ASME to get the money for DTM.
- It was noted that we do not have the final budget numbers from Montreal yet so we don't know how much money goes to each conference.
- Fastening and Joining  
Krishna Gupta said that Tom Chase has worked hard to get a new chair, S. J. Hwang, who has brought new blood to the committee. This committee has very heavy industrial involvement. Bahram Ravani suggested that some committees reconsider their name in order to attract more members. He has talked to Erol Sancaktar about the Reliability, Stress Analysis and Failure Prevention Committee to suggest putting finite element in the name.
- Mechanisms and Robotics (Kazerounian) (oral report)  
We are reorganizing our subcommittee structures by adding two new subcommittees on micro mechanisms (Suresh Ananthasuresh) and nano mechanisms (Dinos Mavroidis). The committee is adding historical data to the web page. There were 80 papers submitted to this conference and 43 were accepted. The committee is asking for revenue sharing in the odd years. They are also asking to make the conference an annual event. Bahram Ravani noted that the Vibrations Committee has also established a nano subcommittee. Tom Chase remarked that it was a good idea to reorganize the subcommittees.
- Power Transmission and Gearing (Lewicki) (written report)
- RSAFP (Sancaktar) (written report)
- Vehicle Design – no report
- Vibration and Sound (Flowers) (oral report)  
There were 328 papers presented at this conference. The Den Hartog and Myklestad awards are to be presented tomorrow at the luncheon. We have 3 symposia and 12 sessions scheduled for IMECE. Half of the IMECE activity is associated with TCVS. We have tried to have continued activity in the even years by increasing our association with IMECE.

**National Manufacturing Week (Renaud):** (oral report)

Abstracts are due the first week of August. So far 32 abstracts have been submitted. We only have 14 sessions available ( 8 for Design, 6 for DFM). I will be asking Vanessa for more sessions. Richard Hirsch commended John for taking over because he doesn't think ASME is in full control of the program. Dick said there was usually about 20 sessions. Bahram mentioned that the revenue generated from the conference will go back to the committees. NMW has been a revenue generating source and the committees will benefit in the future.

**Government Relations (Anderson):** (written report)

**International Activities (Hales):** (oral report)

There will be a meeting tomorrow at Crispin Hale's house. Crispin noted that the committee was really thriving under Phil Doepker's leadership and there was a meeting held in Sweden at the International Design Conference. We are planning a symposium at the 2004 International Design Conference. Bahram Ravani suggested that the committee provide some nominations for the executive committee. Crispin will follow up.

**USCToMM (Mavroidis):** (written report)

**Fellow Nominations (Renaud):** (oral report)

The new Fellow proposal forms are online. We still need more nominations from this division. Subhash Sinha asked if there was discussion of instituting different levels of fellows. Judy Vance asked if there was any discussion on changing the name of fellow to a more non-gender specific word.

**Publicity and Newsletter (Wang):** (oral report)

The newsletter was published summer 2003. It went very smoothly because he received timely input from everyone. Last year KonWell did it on his own but this year he had help from Professor Chen from Wayne State. Krishna Gupta suggested that it would be a good idea to list the Executive Committee Members in each publication. KonWell said that it was done last year but space was tight this year.

**Member Interest**

Crispin Hales stated that we should help this committee to be more activity. Bahram Ravani will put it on his action item list. Crispin said that this committee could work with getting people interested in ASME and getting students to upgrade when they graduate. Steve Velinsky said that ASME is active in globalization and we need input from this committee. Tom Chase mentioned that Jeff Doner from Sandia is very anxious on getting industry input to ASME.

**Information Management (Gooch):** (oral report)

Bahram Ravani thanked Shayne for his work and being so responsive. Shayne mentioned that he is focusing on keeping information up to date. Judy Vance suggested a few pictures would spice up the web site. Shayne replied that the site was designed to download quickly but he would be open to including a few pictures. Crispin Hales agreed

that the mechanism works well but the site is too austere and would benefit from some pictures.

**Old Business**

John Renaud asked about making the Design Automation Award a Division Award. Tom Chase replied that DAC can put in a formal request for a division award. For committee awards, the Division does not give matching funds. For Division awards, committees can ask for matching funds. Bahram Ravani suggested that DAC put in a proposal to the Executive Committee. Georges Fadel wanted to verify that even with a Division Award, the committee would be able to select the individual and then get approval from honors and awards.

**New Business**

There will be a Division Retreat on Saturday from 9 am to noon to discuss the COE reorganization proposal.

The meeting was adjourned at 11:45 am.

Respectfully submitted,  
Judy Vance  
Secretary