
MINUTES OF THE SPRING 2001 MEETING

Date: Sunday, March 4, 2001

Time & Place: 2:00 PM, Room S503A, South Building
McCormick Place, Chicago

Present: Members and Ex-Officio
Banerjee, Chen, Clark, Dohner, Flowers, Grosh, Hamidzadeh, Han, Luo, Parker, Rahn,
Tan, Bergman

Non-Members

D. Adams, B. Balachandran, T. Chase, P. Doepker, S. Dyke, F. Goldfarb, K. Waldron

Tan (TCVS Chair) called the meeting to order at 2:00 pm.

1. Approval of Minutes

A motion was made (Han) and seconded (Parker) to approve the minutes of the Fall 2000 meeting. The minutes were approved.

2. New Business

a) Report on Custodial Fund (Han)

The only request for funds so far has come from Parker (~\$300). A request of \$600 has been made to the division for next year for IDETC planning.

b) Report on Design Show (Dohner)

The TCVS is sponsoring three sessions at the Design Show during Manufacturing Week (March 5 & 6, 2001) at the McCormick Place Complex in Chicago. The sessions are being done in a classroom type of presentation format, and include the following topics:

“Finite Element Analysis (FEA), a method for analyzing structural and acoustic environments,” by Greg Moore of MSC Nastran.

“Statistical Energy Analysis (SEA), a design evaluation tool for noise and vibration engineering,” by Michael Bloor of Vibro-Acoustic Sciences, Inc.

“Applications in Structural Dynamics at Sandia National Laboratories,” by Clay W. C. Fulcher of Sandia National Laboratories.

Dohner will begin the process of soliciting session topics for next year’s Design Show so that a request can be made to ASME in September.

c) Report on IMECE 2001 (Flowers)

Three symposia are being organized for the 2001 IMECE to be held in New York. The organizers are Luo et. al. (Vibration and Control of Mechanical Systems), and Farhang (Friction/Vibration Phenomena, Vibration and Noise in Compressors). These symposia will support a total of 5-6 sessions (there is a possibility that one more session will need to be requested).

d) Report on IDETC 2001 (Mook and Balachandran)

The ASME IDETC and CIE will be held in Pittsburgh, PA during the period of September 9-12 at the Pittsburgh Hilton. A handout was provided with details of the conference.

Three plenary lectures have been planned as part of the Vibrations Conference, one to be given by Charles Steele of Stanford University on Inner Ear Dynamics, one by the Den Hartog Award winner, and the third by Ali Nayfeh of VPI&SU. Plenary lectures for other conferences are yet to be obtained.

A budget of \$500 for each award has been put in place. Goldfarb announced that he needed to have all award information by August 1.

Registration information will be placed on the conference web site when the tutorial information is available (probably by the end of March).

A question was asked about the status of tutorials. Dohner said that in 1999 there were nine tutorials at the IDETC. The plan is to have two to three tutorials sponsored by the TCVS this year. Dohner and Tzou are working on the tutorials.

A question was asked about the numbers of papers received by other conferences. No firm information is available yet.

The preliminary program for the conference should be available by the 3rd or 4th week of March.

e) Report on IDETC 2003 (Given by Tan for Shabana)

An agreement has been signed with the downtown Marriot in Chicago. The room rate will be \$175 per night.

The conference is to run from Tuesday, September 2 to Saturday, September 6 (the late start is because of Labor Day). Tutorials will be held at the end of the conference, on Saturday.

Receptions will be held by the University of Illinois at Chicago, the University of Notre Dame, and possibly by ASME.

Conference information can be found at the web site: <http://www.me.uic.edu/detc2003>

f) Report on IDETC 2005 (Tan)

ASME is now asking to receive conference information four years in advance in order to be in a better position to negotiate with hotels.

A suggestion has been made to hold the 2005 IDETC in Vancouver. The conference has never been held there.

To date no one has volunteered to organize the conference. Anyone who is interested should contact Tan. Shabana has a good model to follow for conference proposal and preparation.

It is likely that another group within the DED will submit a proposal for the 2005 IDETC.

g) Report on Journal of Vibration and Acoustics (Bergman)

A handout was provided containing information about the current status of the journal.

The editors are working hard to expedite the review process, but it is still currently at approximately two years.

The number of papers submitted has fluctuated recently due to the backlog. However the journal is not currently reaching the allotment of 800 pages, so Bergman encouraged submission. The page limit is now nine pages (which can be waived only for rare cases).

Twelve papers have been submitted this year, which is lower than in past years. The goal is to receive ~240 papers per year, which should result in the allotted 800 journal pages.

Three new associate editors have been added (Cusumano, Farrar, and Ohayon), and the plan is to appoint two associate editors per year. A discussion has been ongoing with NCAD (Jerry Ginsberg) to appoint Dick Keltie as an associate editor. This should be done by the end of this year.

Bergman suggested some possibilities for new features:

- book reviews (e.g. in signal processing, acoustics, ...)
- theme issues

In response to a question about the page budget, Bergman noted that the page allocation (and also frequency of publication) depends on the number of pages printed. The page budget or frequency could be reduced if enough papers are not published. There is competition by other journals. A critical issue in the process is getting reviewers to respond in a timely manner.

Bergman is willing to appoint a "Vice Editor" from NCAD if the number of acoustics papers increases.

A question was asked about the number of subscriptions, to which the reply was that subscriptions are good, with no decrease.

h) Liaison Reports

Noise Control and Acoustics Division (Grosh)
No Report.

Dynamic Systems and Structures Committee (Balachandran)
Michael Padoussis is trying to organize a symposium for the IMECE 2002 that may involve collaboration with TCVS. A session entitled "Future Directions in Dynamics and Control" is being planned for the 2001 IMECE in New York.

Aerospace Division--Adaptive Structures Committee (Tan for Wang)
The Adaptive Structures Committee participates in four major conferences each year: IMECE, SPIE Smart Materials and Structures, ICAST, and the AIAA Structures, Structural Dynamics and Materials Conference.

Design Engineering Division – Power Transmission and Gearing Committee (Parker)
The Baltimore conference received ~120 papers. About one-third of these were in the area of dynamics and structures. The PT&G Committee will join the 2003 IDETC in Chicago with its own conference. After that they will stay on our two-year cycle so that their meeting coincides with the Vibrations Conference (in the past they have had a four-year cycle). There is good overlap of topics between our two conferences.

Applied Mechanics Review

No Report. There was a question of the term of the AMR liaison, and whether a new one should be appointed. It wasn't clear if this is a three-year term.

i) Report on TCVS Web Page (Rahn)

The TCVS minutes and agendas have been posted on the web page (www.me.psu.edu/tcvs/).

Several related symposia calls for papers have been posted. Anyone who wishes to post a call should contact Chris Rahn.

The TCVS roster is now on the web page.

The TCVS page has been registered with a number of search engines. Try it, they work!

A new "Areas of Interest" feature will be added to the roster. Any member wishing to include a description of their area(s) of interest should send it (not to be more than 100 characters) to Chris Rahn.

Goldfarb mentioned that ASME has a technical group responsible for creating and updating web pages. He also suggested that we check with ASME about possible liability issues involved in references from an ASME related web site.

Waldron asked if the TCVS page is linked to the DED page. The answer was that the TCVS page can be reached from the DED page, but not the other way around.

j) Report from Industrial Subcommittee (Dohner)

The subcommittee is currently looking for input from industry. Specifically, what industry needs can be supported by TCVS.

Banerjee suggested that a good goal is to increase industrial committee participation. In terms of conference participation, it is more difficult for industrial participants to submit full papers rather than simply give a presentation.

Dohner asked how we could do a better job of finding out what industry needs. Banerjee suggested that we introduce our committee to company vice presidents, telling them what services we provide, and asking their needs. We can invite them to committee meetings.

Tan suggested that the IDETC tutorials may provide a good mechanism for feedback from industry.

Chen agreed that publications are not typically a high priority for industry. He also mentioned that the Society of Automotive Engineers has a conference that draws many industrial participants and which may take away from our conferences. Banerjee and Chen will try to provide a report from the SAE conference.

Waldron suggested that TCVS may want to consider becoming a co-sponsor with SAE at a conference. Dohner suggested that we could also look into the Shock and Vibration Conference.

Banerjee said that SAE papers are commonly "case studies" in which common knowledge is applied. This is rare in an ASME conference paper. Waldron and Tan suggested that perhaps we could begin offering a session or two devoted to case studies (Waldron mentioned that this was once done in the area of mechanisms).

k) Report from ASME Fellow Nominating Subcommittee (Report submitted by Wang)

The charge of this subcommittee is to nominate candidates for ASME Fellow from the TCVS.

Candidates have been identified, and the nominating process will begin this spring.

Contact Wang and Royston with ideas for nominees.

I) Other New Business (Tan)

The Standard Operating Procedure (SOP) is on file with ASME. This document contains the responsibilities of the subcommittees and liaisons. These will be reviewed for possible revision.

Bergman asked about the hierarchy of awards within ASME. Waldron responded that ASME makes a distinction based on funding. If an award is fully endowed, then it can be a "Society" award. The Machine Design award is currently the only Society award. Our awards are "Division" awards that are associated with TCVS.

Bergman asked how much money is required for an endowment. The answer (Waldron) was \$25,000. The DED is contributing money each year for an endowment. For example, IDETC money should be able to be applied toward this fund. A policy is currently being put into place.

Bergman suggested that we work toward making the Den Hartog Award an endowed award. Waldron said that there is currently \$5,000 - \$6,000 in that award endowment. The TCVS may be able to direct money toward endowment accounts with matching from ASME.

A short discussion was held about DED representation in national level positions in ASME. It was pointed out the DED is a very large division within the Systems and Design Group. There is a session at the IDETC to put forward members in national level positions. At the Summer Annual Meeting, Steve Velinsky (nominated for Vice President) and Glenn Johnson were nominated as DED representatives to the Systems and Design Group. Ken Waldron and Mary Straffon were selected as members at large. David Lee (from CIE) was selected as 2nd Alternate to the National Nominating Committee.

3. Old Business.

None.

The meeting was adjourned at 3:28 pm.

Meeting of Voting Members

4. Election of New Members (administered by Grosh and Banerjee)

There was some discussion about voting procedures and membership rules, which resulted in the following guidelines for the votes (in accordance with TCVS by-laws):

- We would elect four new members this year. This will keep the total membership at 15. Fluctuation of total membership is not a serious issue because the by-laws call for a "nominal" membership of 15.
- Foreign members will not follow a different attendance rule. To maintain membership on the committee, members must not miss two meetings in a row.
- Former chairs maintain voting privileges for two years after their chairmanship ends. Ex-officio members including the editor of the Journal of Vibration and Acoustics and the IDETC Chair are not allowed to vote.
- Voting by proxy would not be allowed (see below).

There was some discussion on the issue of voting by proxy. The by-laws are not clear on this issue. Some mentioned that we have chosen not to allow it in past years, and others felt that a firm policy should be put in place. The primary issue is that members not in attendance are not afforded the information of the discussions held in the meeting before casting votes. A motion was made (Bergman) and seconded (Han) to revise the by-laws and/or Standard Operating Procedure to state explicitly that voting by proxy is not allowed. The motion passed.

The following new members were elected to serve from July 1, 2001 to June 30, 2004:

Jeffrey Dohner (2nd term)
Shirley Dyke
Brian Feeny
Sotirios Natsiavis

5. Vote on J. P. Den Hartog and N. O. Myklestad Awards (administered by Parker and Luo)

Y. K. Lin was selected for the J. P. Den Hartog Award.

As the first runner-up, Daniel Mote will automatically be considered for the Den Hartog Award in two years.

Melnikov was selected for the Myklestad Award.

As the first runner-up, C. Pierre will automatically be considered for the Myklestad Award in two years.

Minutes prepared by William W. Clark, Secretary of TCVS.