

Minutes of Technical Committee of Vibration and Sound
2008 Fall Meeting

Time: October 28, 2008, 12:00 noon – 2 pm

Place: Tiffany Room, Turf Valley Resort, Ellicott City, MD

Attendees (Members): Dumitru Caruntu, Liming Dai, Brian Feeny, Nader Jalili, Dane Quinn, Chris Rahn, Steve Shaw, Steve Shen, Jiong Tang, Kon-Well Wang, Weidong Zhu, Jean Zu

Attendees (Friends): Steven Marx, Nat Nataraj, JQ Sun,

1. Approved the minutes of 2008 TCVS Spring Meeting.
2. TCVS Treasurer's report by Brian Feeny. TCVS currently has three accounts.
 - Den Hartog Award: roughly \$42k in June 2009 and down to \$38k as of September 2009. This account had roughly \$46k in both June and September of 2008.
 - Myklestad Award: roughly \$21.5k in June 2009 and down to \$19.5k as of September 2009. This account had roughly \$23.7k in both June and September of 2008.
 - TCVS account: roughly \$26k in June 2009 and down to \$24k as of September 2009. This account had \$12k in both June and September of 2008. There was a short discussion about where the income in the account came from. A possible source is distributions from IDETC of 2007. But the expected distribution of IDETC 2007 should be around \$40k, as pointed out by Nader Jalili. No conclusion was reached.
3. Chris Rahn explains to the Committee how he has tried to upgrade the Den Hartog Award to a division award. Recently, ASME raised the eligibility of a division award from \$50k to \$75k. Also, if TCVS decides to put in additional money into the two award accounts, the Design Division will match up to \$5k for each award. With the current balance, if TCVS decided to put in all the distributions from IDETC 2007 with the matching fund from the Design Division, there will not be enough money to make the Den Hartog Award a division award. Plus the account balance depends on the investment income, which is highly uncertain in the current financial market. After some discussion, the Committee recommends that we not pursue the upgrade of the Den Hartog Award for now. Instead, the Committee will put at least \$5k into each award account to receive the \$5k match from the Design Division.
4. IMECE 2008 report by Dumitru Caruntu on behalf of Bogdan Epureanu. Bogdan organize two symposiums. One on biodynamics and one on nonlinear dynamics, control and stochastic mechanics. The efforts lead to 133 papers, 19 sessions, 2 poster sessions spreading over 3 tracks. Dumitru has been the lead in the field of biodynamics and has done an outstanding job.

5. SMASIS 2008 report by Chris Rahn. TCVS was allocated for 40 papers in SMASIS 2008. TCVS's symposium ends up having 30 accepted papers. The conference is successful with 250 paid participants. Chris Rahn is discussing with Kon-Well Wang for a possibility to have a special issue in Journal of Vibration and Acoustics based on these papers in SMASIS 2008. A one-page report was distributed.
6. IDETC 2009 report by Chris Rahn on behalf of George Flowers. Chris Rahn distributed a one-page report from George Flowers, and asked Dane Quinn, as the Program Co-Chair of the Conference, to report. He reported that the deadline to finalize symposia was in mid November. If someone wants to propose a symposium, please be specific in symposium description to minimize confusion to authors. So far, 11 symposia have been proposed for the Vibration Conference.
7. Even-Year Conference Subcommittee report by Chris Rahn on behalf of George Flowers. The subcommittee recommends that TCVS participate in IDETC 2010. IDETC meetings at even years are smaller in size. IDETC 2010 will allocate 40 papers for TCVS. The Committee plans to build up even-year conferences gradually. A lot of comments made by Committee members are listed as follows.
 - Steve Shen: We should have a long-term strategy for even-year conferences. Propose to stick to IDETC on even years for many advantages. The marketing effort is relatively little given the existing odd-year Vibration Conference at IDETC. TCVS can get revenue every year.
 - Dane Quinn: One consideration to host even-year symposia at different conferences is to meet different groups and to be exposed to different research areas.
 - Brian Feeny: The subcommittee checked with MSNDC and Nayfeh for the possibility to participate in their conferences and received negative feedback. The subcommittee also checked with DSCC. It turns out that DSCC is happy with the size of their conference. SMASIS, IDETC, and an independent conference are the three open options. Chris Rahn added that, although there might be advantages here, it would take considerable hard work and a lot of time for the organizer, should such a volunteer emerge.
 - Chris Rahn: We can use SMASIS 2008 and IDETC 2010 to try out. We don't have to decide a permanent solution for even-year conferences in this meeting today.
 - Kon-Well Wang: We get money back from both IDETC and SMASIS, but not IMECE. We will not be able to use 2010 IDETC to try out, because the decision of 2012 conference has to be made before 2010.
 - Nat Nataraj: It makes sense to go to IDETC from the organizational point of view.
 - Nader Jalili: Many people go to conferences for continuity. We don't want to inflate and deflate the conference size year by year. IDETC are established conferences, which have fewer problems.

After the discussion, the Committee votes unanimously to participate IDETC 2010. As far as a long-term solution for even-year conferences, it will be discussed in the next spring or fall TCVS meeting. Chris Rahn will check with ASME to see when a decision should be made before ASME reserves the venue for 2012 IDETC.

8. IDETC 2011 report by Nader Jalili. A competitive proposal to organize the conference has been submitted in late September to the Design Division for review. We should hear the results in a few days or in a few weeks. Nader Jalili is the conference general chair of IDETC 2011. MSNDC will have a person as program co-chair. The conference will be held in one of the following three cities: Atlanta, San Antonio, or Washington DC. The conference time will be late August for cost considerations.
9. JVA report from Kon-Well Wang. JVA has finished a special issue on health monitoring and Epureanu is the guest editor. A special issue with SMASIS 2008 papers is under consideration. Energy harvesting is another topic for a special issue as proposed by Dane Quinn. New Associate editors include Alan Palazzolo, Steve Shaw, Tom Royston, and Massimo Ruzzene. Chin-An Tan has finished his second term and is rotating off as an Associate Editor. JVA currently has 800 pages per year. Kon-Well Wang has tried to reduce the backlog and will evaluate whether or not the journal should increase the number of pages in the future.
10. Liaison reports:
 - Applied Mechanics Review – Christophe Pierre has decided to step down. The Committee needs to elect a new liaison member.
 - Adaptive structures committee by Kon-Well Wang – This (SMASIS 2008) conference is collaboration between the TCVS and the Adaptive Structure Committee.
 - International Activities Committee (reported by Chris Rahn on behalf of Wei-Hsin Liao) – Liao asks for the TCVS to sponsor ICAST 2009. It is approved.
 - Micro and Nano System Committee (reported by Chris Rahn on behalf of Arvind Raman) – Chris Rahn and Steve Shen attended MNS annual conference in August 2008. There were nice papers and activities in the conference.
 - Dynamic System and Control Division by Nader Jalili – The division just held its annual conference in Michigan. A new technical committee on “Vibration and Control of Smart Structures” is recently formed. Nader Jalili and Jiong Tang are both involved.
11. TCVS webpage reported by Chris Rahn on behalf of Ed Berger. Ed Berger will continue to maintain the web site. There are suggestions that IDETC websites should have links to TCVS web page to increase the publicity. If any Committee members are interested in the web position, please contact Chris Rahn.
12. Fellow nomination from Kon-Well Wang. Steve Shaw will take over the responsibility from Kon-Well Wang. A round of applause was given to Kon-Well for his efforts and past work on fellow nomination.
13. New business on Institute of Physics reported by Weidong Zhu. The Stress and Vibration Group in the Institute of Physics is equivalent to TCVS in ASME. The Institute of Physics has three major conferences. One is on mechanics of slender

structures. The Stress and Vibration Group wants to share logos and advertisement in conference web sites with TCVS. The Committee votes for the collaboration unanimously.

14. Chris Rahn proposes to establish more awards within TCVS. These new awards do not need monetary support, but will carry value-added names, e.g., best paper awards. If any TCVS member has any ideas or volunteers to look into potential new awards, please contact Chris Rahn. Chris Rahn and Nader Jalili suggest that TCVS should install three new awards: best student paper award, best JVA journal paper award, and young investigator award. Kon-Well Wang suggests that new TCVS members be in charge of the best student paper awards when they first serve on the Committee. This requires very little experience and helps new members to engage in TCVS activities.
15. Nat Nataraj is now serving on the board of the Turbo Research Foundation. The Foundation would like to sponsor an award via TCVS, but the award will be limited to research areas related to rotor dynamics. Chris Rahn will form an adhoc committee to find out how TCVS can accommodate this opportunity within the ASME framework.
16. The Committee did not elect a new AMR representative, because there was no quorum. AMR Editor Reddy nominates Victor Birman. The other candidate is Chin-An Tan, who just finished two terms as an Associate Editor of JVA. Chris Rahn will email all members soliciting nomination, and it will be followed with an email vote. Kon-Well Wang suggested that the responsibility be spelled out clearly in Chris Rahn's email when soliciting nominees. Chris Rahn concurs.
17. Bylaw change. Part of the bylaws is outdated. For the part of Election of New Members, item 2, the original language states, "The Nominating Committee shall consider potential new members and present a list of at least five nominees to the chairperson at least six weeks prior to the ASME Spring Design Conference (SDC) or by February 15 if no SDC TCVS meeting is held." The SDC no longer exists and the February 15 deadline is too early. The proposed revision is "two weeks prior to the spring TCVS meeting." Chris Rahn will email this information for Committee members for vote.
18. Next TCVS meeting will be in spring 2009 at the University of Illinois, Chicago, to be hosted by Thomas Royston.