

**MINUTES
OF THE
AIAA STRUCTURAL DYNAMICS TC MEETING
38TH SDM CONFERENCE
HYATT ORLANDO
KISSIMMEE, FLORIDA
8 APRIL 1997**

1.0 INTRODUCTION.

The Spring '97 meeting of the Structural Dynamics Technical Committee (SD TC) was held on 8 April 1997 in conjunction with the 38th SDM at the Hyatt Orlando, Kissimmee, Florida. After committee introductions, various AIAA personnel provided information on headquarters' activities and functions. Emily Davies presented an overview of AIAA staff reorganization around processes of which membership activities form the core process. Additional information can be found thru 1-800-NEW-AIAA. Brewster King then elaborated on business development. He principally works advance conference preparation. He solicited the TC for more suggestions on short courses. Larry Pinson, Chair of Structures TC, discussed Congressional Visits Day by AIAA representatives on 12 March. Generally, visit organizers felt their visits were useful and well received by congressional staffs.

1.1 CALL TO ORDER.

Dr Suzanne Smith, committee chairperson, called the meeting to order at 1800 Hours. Smith acknowledged departing committee members, citing unique contributions by each: Bagley, Chopra, Dotson, Kabe, Kammer, Kunz, Tinker and Neradka. Smith then ceded the meeting to Marc Regelbrugge, incoming chairperson. Regelbrugge cited several accomplishments by Suzanne during her tenure; the committee acknowledge her efforts with sustained applause.

1.2 MINUTES OF LAST MEETING.

Acceptance of Fall '96 meeting minutes discussed under Secretariat report.

2.0 SUBCOMMITTEE REPORTS.

2.1 CONFERENCES SUBCOMMITTEE.

Due to the departure (by virtue of his rotation off the TC) of the previous Conference Subcommittee Chairman, Mike Tinker, Ken Griffin and Pat Goggin provided the following subcommittee report to the Spring '97 SD TC meeting.

Griffin again opened by thanking all who helped review the papers and organize the '97 SDM technical sessions for which the SD TC was responsible, especially Suzanne. He reminded the TC that everyone's help in paper review is essential to get sessions ready on time. He apologized for the unexpected crowding in some sessions due to the style of seating (classroom style) that was used initially by the hotel. He indicated that all the reorganization at AIAA HQ performed to reduced their overhead caused some confusion in HQ's support for the conference this year. He reminded the TC that the lack of author support resulted in the lack of an Interactive Plenary Session (IPS). He thanked those who helped put together special sessions for the '97 SDM.

Since the CD format for SDM conference proceedings was a first this year, he offered some early statistics. Over 55% of the attendees had selected CDs rather than paper copies in contrast to the expected 20%. The SDM CDs will be available late summer after the other two conferences they contain are held. The proceedings will most likely remain to be published in the bound paper format during the short term; however, this may change in the future. Since all of the late papers will be on the CD format, Session Chairs need to be sure that all the late papers in their sessions get turned in to the AIAA.

Griffin also reported on the Workshop held by the Structures TC on Sunday. This workshop was designed to allow all the major US Government organizations (USAF, NASA, FAA, DOE, etc) to present their planned programs in structures R&D over the next few years. While Larry Pinson of the Structures TC wanted to open this up to at least all of the TCs, AIAA did not want this wide of an audience on the day before the formal beginning of the SDM itself. Thus, only Structures TC members were told of the meeting.

Patrick Goggin reported that the '98 SDM meeting will be held at the Sheraton in Downtown Long Beach, CA. The General Chair for the conference is Peretz Friedmann and the Technical Chair is Terry Weishaar. As in the past, individuals are encouraged to organize special sessions. Abstracts for all papers included in the special sessions will go through the normal review process and need to be sent into the Technical Chair by the deadline. Patrick Goggin represents the SD TC on the '98 SDM and these sessions should be coordinated thru him to be sure technical papers remain intact. Since the Conferences Subcommittee has decided to use a mentoring system in the selection and training of the TC representative for the SDM, a volunteer is being solicited to assist in the organization for the '98 SDM. This volunteer should be prepared to be the TC representative for the '99 SDM. Volunteers should contact Patrick directly.

For 1998, the organizer of the IPS is looking for focal points from each of the Technical Committees to assist in the planning for the IPS. Patrick Goggin is looking for a volunteer from the TC to assist in the IPS planning. Once again, volunteers should contact Patrick directly.

Patrick Goggin also attended a Lessons Learned meeting for the '97 AIAA World Aviation Congress (WAC) in Los Angeles on 25 October 1996. The WAC organizers are interested in gaining more sessions organized by AIAA TCs. The SD TC was the only TC specifically in attendance for this purpose. There were 611 participants to the 1996 WAC. They are currently in the position of accepting all submitted papers. They are also trying to be a conference for everyone, from CEOs to students, industry and government. The papers in this conference are generally more practical in nature and anyone in the TC is interested in organizing a session for this conference, more information can be obtained from Patrick.

Peretz Friedman added that things look good for '98 SDM provided AIAA doesn't do counterproductive things. The theme will be "SDM Technologies for the 21st Century".

Thomas Strganac will serve as General Chair, while Ed White serves as Technical Chair, for the '99 SDM. San Antonio was not interested in SDM. Several St Louis hotels expressed interest in hosting SDM; Ed White will visit some potential sites soon.

2.2 AWARDS.

The SDM awards chairman, Dave Jenson, strongly pushed some preconceived ideas. CT Sun received the SDM award this year. Dr Friedmann strongly encouraged committee

members to upgrade to Sr Member; he also has forms available for Associate Fellow nominations.

2.3 SECRETARIAT.

Dr Friedmann motioned to accept Fall '96 minutes as written; Bagley seconded. Committee accepted minutes by acclamation.

Ralph Tate reminded everyone to register their attendance on the roster. Also, members should verify the roster information, since this information is used for committee communication (especially by the Conferences Subcommittee). Fred Tasker revised the new members guide for the SD TC; the revised guide is now available on the SD TC web page. Fred is also compiling the photo roster; new members should forward their picture preferably in digital form to Fred.

2.4 LIAISON.

Dan Inman holds chair of this subcommittee. Please advise him whether you are serving with other groups.

2.5 EDUCATION.

Freudinger hope to have the Science Fair booklet on-line by Fall '97. Thomas Strganacís students will assist film clip digitization and locate to TAMUís web site.

2.6 PUBLICATIONS.

Terry Britt requests input to AA annual review ~600 words. It was also noted that AIAA is streamlining their publication process. The Journal of Guidance, Control and Dynamics reduced their backlog to 17 months.

2.7 TECHNICAL ASSESSMENT AND TRANSFER.

Submit items to George Wacker for inclusion into the SD TC website.

3.0 SPECIAL PRESENTATION.

Eric Flint provided a review DLRs activities and research interests. DLR is Germanyís equivalent of NASA. DLR pays for their people and research with technology transfer. Heavy emphasis on marketing and targeting research. Another area DLR works is general transportation; whereas, NASA focuses solely on astronautics and aeronautics. DLR works generally at the prototype level.

4.0 OLD BUSINESS.

Yuji Matsuzaki working international contacts. Ben Wada and John Tracy have visited Japan; Chopra will visit soon.

Dr Tracy, Deputy Director of Structures, Design and Test TAC, is looking for improved coordination between TAC, TCs and SDM. A survey was developed and distributed amongst the TC members.

5.0 NEW BUSINESS.

AIAA relocation. AIAA relocation lost important papers. Members are advised to maintain a copy of company sponsoring agreement, since AIAA may not have it on file. AIAA is reworking its charter and has requested help. Committee members interested in assisting should contact Marc Regelbrugge.

AIAA does not recognize ASME Adaptive Structures Committee. There will be a proposal for forming an AIAA Adaptive Structures TC. The time line is for approval by '98 Aerospace Science meeting with first meeting at '98 SDM. A motion was made by Hopkins to support this initiative; Inman seconded. Motion passed by acclamation.

The committee discussed fall meeting sites. Most TCs convene at member sites or with a conference. Mr Boyd Perry III offered to host at NASA/LaRC. Other discussed venues were the World Aviation Conference (Anaheim or Long Beach) or the Airbreathing Engine Conference. The committee accepted Perry's offer of NASA/LaRC. (This will be 23 October 1997; non-US citizens should contact Mr Perry for visit clearance.)

Tate motioned to adjourn; Inman seconded. Motion passed by acclamation. Regelbrugge declared meeting adjourned at 21:30 hours.