

DRAFT COPY - Please Review!

**MINUTES
OF THE
AIAA STRUCTURAL DYNAMICS TC MEETING
Lockheed Martin Astronautics, Denver, Colorado
6 October 1998**

INTRODUCTION.

The Fall '98 meeting of the Structural Dynamics Technical Committee (SDTC) was held on 6 October, 1998 at Lockheed Martin Astronautics in Denver, CO.

A tour of various Lockheed Martin fabrication and test facilities was offered in the morning.

1. CALL TO ORDER.

Marc Regelbrugge, SD TC Chair, called the SD TC meeting to order at approximately 12:57 hours. Marc announced the end of his chairman ship is in April of 1999 and the next chairman will be Mark Hopkins.

MINUTES OF LAST MEETING.

Several errors were observed and corrected:

Section 2. Education: "TC" should read "subcommittee"

Section 2. Education: "AIAA the course offered at the '99 SDM." should read "AIAA will offer the course at the '99 SDM."

Section 2 Technology Transfer: "\$\$\$\$" should read "available funds"

Section 4.: "who ll" should read "who will";

Section 5. "Jenssen" should read "Janssen"

Attendees: "Seiler" should read "Zeiler"

Mr. Mark Hopkins moved to accept the minutes as corrected. Mr. Tom Zeiler seconded. Committee voted to accept to the minutes as amended by acclamation.

2. SUBCOMMITTEE REPORTS.

AWARDS.

Mark Regelbrugge summarized activities for Peretz Friedmann who was absent.

Committee members are reminded to consider upgrading their member status. You may download nomination forms from AIAA web-site. Also, Emily Davies reminds TC members to keep their membership current.

Seventeen candidates are being considered for the Critchlow Award for the '99 SDM. The selection process has begun and the final selection will be in January.

EDUCATION.

Short Courses for '99 SDM:

1. Aeroelasticity: State-of-the-Art Practices
New this year.
Organized by Tom Strganac as requested by AIAA
Supported by many SDTC members!

Tom is starting to coordinate the notes to present a cohesive story without too much overlap from various instructors.

Need a senior, well-known, respected individual to provide an overview of the subject and basic principles. Can anyone make a recommendation?

Instructors have agreed to decline the honorarium (of at least \$1500) so it will be available to the SDTC to award as scholarships.

2. Paul Taylor is organizing "Introduction to Aircraft Design Loads" again for the '99 SDM.

Outreach Video:

1. Need "raw material" - Larry Freudinger has a lot of film and will forward it to Susan Janssen. Several videos were brought to the meeting to give to Susan. Remember to obtain permission to use. If video does not have sound, please provide some written description
2. Create "story board" and script by the April SDM for review by the SDTC at large.
3. Proposal to AIAA to request funding.
4. Find a narrator (\$600+) - Don Edberg suggested Holt Ashley might consider doing this. He will ask him after the story board has been put together so he understands our project.
5. Editing and production - some leads for production in Denver
6. Distribution - Ideas of how to distribute included giving copies to local AIAA chapters for their outreach programs and allowing AIAA to sell copies. The general feeling was to give the video away to avoid royalty issues due to the fact that most of the video comes from diverse sources.

Dr. William Hallauer organized a panel discussion for the 1998 American Society of Engineering Educators (ASEE). The topic concerned employers expectations of engineering graduates.

PUBLICATIONS.

Mr. Terry Britt reported completion of the draft "Year in Review" article. He received nine inputs of about 2100 words which he had to pair down to 600. This year "smart structures" was highlighted. Kurt Dotson requested a draft of the article be sent to TC members. Early release of this material is not encouraged because of AIAA copyrights.

SECRETARIAT.

Ralph Tate has agreed to continue as Secretariat! After a round of thunderous applause, the committee recognized Ralph's efforts to expedite information transfer for the SDTC.

Digital photos are still being accepted for the roster.

LIAISON.

John Lassiter introduced the TC members who will act as liaison with other TCs. These people should review the appropriate web site periodically and get minutes from the TC secretaries. A summary of the TC activities should be provide to Ralph Tate to post. Invite liaisons from other TCs to the SDTC meetings.

John also summarized the minutes from the Structures TC: SDM conference issues; survey of other TCs to try to compliment work; being relevant to customers (whoever they are).

Eric Reichenbaugh is the liaison to the Modeling and Simulation TC. He will forward his report on their activities to John Lassiter.

TC members are requested to consider volunteering for liaison activities if interested. See TC web page: http://www.rhombuscgi.com/AIAA_SDTC.html for more information.

TECH TRANSFER.

George Wacker is trying to compile a list of existing databases and other resources which can be linked to or mentioned in our web page.

Marc Regelbrugge is currently administering the SDTC web site. A private company is providing this service as a courtesy to us. AIAA has agreed to provide space for TC web pages, but have not yet worked out the logistics. Marc has agreed to support us for the near term, but the SDTC should devise a plan for transition.

CONFERENCES.

Marc Regelbrugge summarized Pat Goggin's report: The SDM planning meeting was held last week and the SDTC was well represented. The facilities in St. Louis are much better than last year's.

John Lassiter commented on the poor quality of some abstracts. Several did not meet the minimum guidelines (1000 words, references, figures). Other reviewers agreed with John's observations. Perhaps the guidelines are too demanding, other conferences have abstracts with 300 words. There is also the other extreme where some abstracts are actually the complete papers. Reviewing a 20 page paper is very time-consuming! Perhaps an upper limit on abstract size should be recommended.

There was also discussion on developing more extensive guidelines for reviewers. At this point the committee chair provides direction. Other comments were made concerning the proceedings: printing is expensive, but CDs have their problems too. Perhaps a small bound version of the abstracts would enhance the usefulness of the CD.

There were no student papers submitted. Therefore no Jefferson Goblet Award in 1999. Last year there was only one student paper. Is this a criteria issue because of the requirement that the work be "independent"? How much help can the student have from faculty before it becomes a joint paper?

4. OLD BUSINESS.

Aeroelasticity conference in June '99. SDTC endorses the conference. We have no active role in organizing the conference.

5. NEW BUSINESS.

LONG RANGE PLANNING COMMITTEE

There has been a proposal to restructure the LRPC. Peretz Friedman will be the SDTC representative.

DYNAMICS SPECIALIST CONFERENCE IN 2000

Marc Regelbrugge reported:

The last DSC was in 1996. Issues included lower attendance and papers due to downsizing. In response the DSC will be held every four years instead of two. Marc asked if the SDTC wanted to proceed with the DSC in 2000. Tom Zeiler made a motion that the SDTC organize the DSC and Wen-Liu Miao seconded.

Planning beginning now. Need to find a General Chair and Technical Chair. Mike Tinker has offered to be the General Chair (He was the Technical Chair in 1996.). The web site has lots of helpful information. The Chairs will define the scope (number of papers, sessions and days) of the DSC. To encourage attendance the conference should have interesting topics and the papers/special sessions should have a high standard. Marc will send an e-mail requesting volunteers and ideas on session structure.

Brewster King (AIAA business development) suggests a single fee structure for the entire conference. The SDTC agrees. Wants to produce combined proceedings (the SDM and DSC). The SDTC would like a separate volume for the proceedings to help promote a separate identity. Jeffrey Bennighof wanted to know how many hard-copies are printed now that CDs are available.

Some discussion developed about the distinction between the SDM and the DSC. Tom Zeiler suggested naming sessions (perhaps following a theme) and mentioning these in the call for papers. Other suggestions included panels, plenary sessions and invited papers to give the DSC a distinct "flavor."

6. ADJOURNMENT.

The next TC meeting will be at the SDM in April 1999. In addition to the SDTC meeting, the subcommittees may consider meeting at an other time to work subcommittee business. Then report a summary at the SDTC meeting.

Mark Hopkins motioned to adjourn the meeting. SD TC meeting was adjourned by acclamation at 16:18 hours.

7. ATTENDANCE

Members:

Dr. Jeffrey Bennighof
Dr. Philip Beran
Mr. Robert Britt
Dr. Carlos Cesnik
Dr. Kirk Dotson
Dr. Donald Edberg
Prof. William Hallauer, Jr.
Dr. Mark Hopkins
Ms. Susan Janssen
Dr. Hyoung-Man Kim
Dr. John B. Kosmatka
Mr. John Lassiter
Dr. Michael Lou
Mr. Wen-Liu Miao
Dr. Kurt Nichol
Dr. Kirit Patel

Mr. Boyd Perry
Mr. Marc Regelbrugge
Mr. Eric Reichenbach
Mr. George Wacker
Mr. Edward White
Dr. Thomas Zeiler

Notes:

1. The Chair strictly enforces the attendance rule. Committee participation is solely at the discretion of the committee Chair. If your name is not listed here, please confirm with Chair that your absence is excused.
2. The attendance reflects those who registered on the attendance roster their presence. The Secretary keeps the official attendance on a roster. It is your responsibility to register your attendance and confirm your bios.