

**MINUTES  
OF THE  
AIAA STRUCTURAL DYNAMICS TECHNICAL COMMITTEE MEETING  
39th AIAA STRUCTURES, DYNAMICS AND MATERIALS  
CONFERENCE  
WESTIN INNS HOTEL CONFERENCE CENTER  
LONG BEACH, CALIFORNIA  
19 APRIL 1998**

**INTRODUCTION.**

The Spring '98 meeting of the Structural Dynamics Technical Committee (SD TC) was held on 19 April, 1998 at Westin Inns Hotel Conference Center in Long Beach, CA. This meeting was held in conjunction with the 39th AIAA Structures Dynamics and Materials Conference. During dinner prior to the SD TC meeting, Emily Davies (AIAA HQ) and Larry Pinson (Structures TAC) spoke to the committee. Ms. Davies spoke concerning Region II activities including more support from AIAA HQ for the regional sections.

Larry Pinson spoke concerning various initiatives by the Structures and Design Technical Activities Committee (TAC). TAC is encouraging a systems level conference that deals with the "big picture". TAC is proceeding with caution with reorganization, since TCs and TACs deal with core of AIAA. Jerry Hefner (NASA/LaRC) is looking at AIAA reorganization from a "clean sheet". TAC is also concerned with better coordination among TCs.

**1.1 CALL TO ORDER.**

Marc Regelbrugge, SD TC Chair, called the SD TC meeting to order at approximately 19:20 hours. Marc recognized out-going members for their contributions to the SD TC: Freudinger, Inman, Ed Smith, Carl Voorhees and Ken Griffin. Marc welcomed in-coming members to the SD TC: Cesnik, Kosmatka, Kurdila, Straub, Worth and YC Yiu.

**MINUTES OF LAST MEETING.**

Several errors were observed and corrected:

Section 1.0: "TSWT" should read "TDT";  
Section 2.1.1, Para 1: "Thom" Strganac should read "Thomas" Strganac  
Section 2.1.1, Para 4: "Thom" should read "Thomas"  
Section 2.1.2, Para 1: "meet" should read "met"  
Section 2.1.2, Para 3: "Lessons Learn" should read "Lessons Learned"  
Section 2.3, Para 3: "will" should read "with"  
Section 2.7, Para 1: "Adaptive" should read "Active".

Dr. Peretz Friedmann moved to accept minutes as corrected as amended. Mr. Paul Taylor seconded. Committee voted to accept to the minutes as amended by acclamation.

**SUBCOMMITTEE REPORTS.**

[Secretary's note: In adopting the electronic distribution format via E.Mail and postings to the SD TC web-site, it is imperative that subcommittee chairs submit their reports electronically to SD TC secretary. This will improve accuracy. Remember, your secretary

is challenged to write and eat, too — feats that he has not really mastered. I rec'd only one electronic report from Paul Taylor.]

## 2.1 AWARDS.

Dr. William Hallauer has joined Dr. Peretz Friedmann on the AWARDS Subcommittee. Committee members are reminded to upgrade to Senior Member for candidacy to Associate Fellow. You may download nomination forms from AIAA web-site.

[Sec'y note: I have a note about a "conflict" between SDM Award and Critchlow Award for the next SDM. I failed to get a clarification. I would appreciate someone providing correction.]

## CONFERENCES.

Patrick Goggin spoke briefly about the attendance for the '98 SDM. There were 580 paid attendees. Approximately, 140 Structural Dynamic papers were presented.

Paul Taylor is the SD TC representative to the '99 SDM organizing committee. Abstracts should begin coming in around 3 August with acceptance by 3 October. Acceptance letters should be let in November. Full papers are due to AIAA HQ in February 1999. Special sessions must be proposed by 1 July. Some things being considered are: tours of Boeing, NASA historian as keynote speaker and a non-deterministic analysis forum. A special Boeing reception may occur. Suggestions for a keynote speaker will still be accepted. Please forward them to Thomas Strganac.

Those who chair special sessions must keep track of papers. Special sessions raise the acceptance bar, but are treated no differently than others as far as acceptance. Organizing committee may switch papers around at their discretion. Special session chairs must keep correspondence records.

Philip Beran will serve as papers chair for 2000 SDM. 2000 SDM will also have a Specialist Conference. Suggestions for a technical chair for the Specialist Conference should be directed to Pat Goggin.

## 2.2 SECRETARIAT.

New members were reminded to supply their photo to Fred Tasker for inclusion in the photo roster. The new members guide is posted on the TC web-page. New members should also mark the roster for the specialty they desire listed in the database. The database should be ready in July 1998.

## PUBLICATIONS.

Mr. Terry Britt solicits input to the annual AIAA A/A year end review article. [Sec'y note: you rec'd this solicitation via E.Mail this summer.] Terry requested help with a theme, figure preparation. Terry has a 600 word limit and must begin submittals to editing by 1 July 1998. Terry plans to post book reviews and minutes of other relevant committees to the SD TC web-site like Aerospace Flutter and Dynamics Council. He'd also like to post bibliographies over Structural Dynamic sub-disciplines.

## EDUCATION.

Susan Janssen has assumed leadership of this subcommittee. Forty-two (42) participated in Paul Taylor's aircraft loads course. The attendees traveled from widely distributed geographic locations. AIAA will offer the course at the '99 SDM.

Larry Freudinger will send to Susan all video, shortly. All video is to go onto one tape by '99 SDM. Susan is approaching Lockheed-Martin for editing assistance. Marc Regelbrugge will check with AIAA HQ for possible funding. Larry may have additional video tape arriving soon. Larry also needs film of helicopters, rockets and missiles.

Science Fair booklet materials were reviewed by Denver area educators who felt the lesson plans may be appropriate for high school students. The materials may be too difficult for elementary and junior high students. Freudinger has loaded lessons plans to SD TC web-site as and html document.

Dr. William Hallauer has arranged a panel discussion for the 1998 American Society of Engineering Educators (ASEE). The topic will concern employers expectations of engineering graduates. Additional information may be obtained from:

<http://www.asee.org/conferences/html/annual/98.htm>  
<http://www.asee.org/conferences/html/annual/98.htm> .

## LIAISON.

AIAA encourages more liaison activities with other TCs and organizations (like ASME). The following committee members were requested by the chair to track and report on activities of these other TCs:

John Lassiter	-	Structures, Ground Test
Georger Wacker	-	Aeroacoustics
John Maynor	-	CAD/CAM
Michael Lou	-	Design
Eric Reichenbach	-	Modelling and Simulation
Tom Zeiler	-	MDO

TC members are requested to consider volunteering for liaison activities with Adaptive Structures, Flight Test, Materials, Atmospheric Flight Mechanics and Fluid Mechanics TCs. See TC web page: [http://www.rhombuscgi.com/AIAA\\_SDTC.html](http://www.rhombuscgi.com/AIAA_SDTC.html) for more information.

## 2.7 TECH TRANSFER.

Attempting to establish technology transfer using TC web-site as connection. Committee desires technology assessments so as to ID technology for transfer into practice. The basic problem is available funds. As dollars go down, so does cooperation.

## 3.0 OLD BUSINESS.

AIAA approved support for CEAS Int'l Forum on Aeroelasticity and Structural Dynamics. Woodrow Whitlow replaced Irv Abel as Chief of Structures Division. Woodrow Whitlow will be conference chair. E.Mail links will be used to assist call for papers.

The SD TC Charter was reviewed by the committee. Ken Griffin moved to accept the new charter. Michael Lou seconded. Charter was passed by acclamation.

#### 4.0 NEW BUSINESS.

Marc requested that Subcommittee Chairs consider succession planning and training. Subcommittee Chair should identify and train replacement. Successor should be involved one (1) year prior to becoming chair.

Ken Griffin proposed consideration of a plan to maintain connection with important retirees. SD TC should keep a reference list of those who will answer short phone calls on technical problems. This is important since names tend to evaporate. Important question is how to tap these individuals? AFDC has gotten retirees to write down their anecdotes and experiences.

#### 5.0 ADJOURNMENT.

The next TC meeting will be at Lockheed Martin in Denver in Mid October 1998. Susan Janssen will be our host. Tom Zeiler moved to adjourn; a second was heard from the floor. SD TC meeting was adjourned by acclamation at 21:42 hours.

## ATTENDANCE

### Members:

Dr Jeffrey Bennighof  
Dr Philip Beran  
Mr Robert Britt  
Dr Kirk Dotson  
Dr Donald Edberg  
Mr Eric Flint  
Mr Lawrence Freudinger  
Dr Peretz Friedmann  
Mr Patrick Goggin  
Dr Kenneth Griffin  
Dr Mark Hopkins  
Dr Stuart Hsu  
Ms Susan Janssen  
Dr Conor Johnson  
Dr Hyoung-Man Kim  
Mr John Lassiter  
Dr Michael Lou  
Mr Thomas Manning  
Dr Yuji Matsuzaki  
Mr John Maynor  
Mr Wen-Liu Miao  
Dr Timothy Minahen  
Dr Kurt Nichol  
Dr Kirit Patel  
Mr Boyd Perry  
Dr Darryll Pines  
Mr Marc Regelbrugge  
Mr Eric Reichenbach  
Dr Edward Smith  
Dr Thomas Strganac  
Mr Ralph Tate  
Mr Paul Taylor  
Mr George Wacker  
Mr Edward White  
Dr Thomas Zeiler

### New Members:

Dr Andrew Kurdila  
Dr Carlos Cesnik  
Dr YC Yiu  
Dr John Kosmatka

### Visitors:

Dr AS Arena  
Maj Jim Greer (for member Wm. Hallauer)