

American Society of Mechanical Engineers - Aerospace Division
Adaptive Structures and Material Systems Technical Committee
at the
ASME Adaptive Structures and Materials Symposium
Washington, DC

Tuesday, November 18, 2003
8:00-10:00 PM
Omni Hotel
Calvert Room - Lobby Level

Minutes

Meeting Attendees

Members:

Greg Agnes	JPL
Eric Anderson	CSA Engineering
Diann Brei	U Michigan
Greg Carman	UCLA
Inderjit Chopra	U Maryland
Marcelo Dapino	Ohio State U
Porter Davis	Honeywell, Inc.
Alison Flatau	U Maryland
Mary Frecker	Penn State U
Victor Giurgiutiu	U South Carolina
Kyle Henderson	AFRL/VSSV
Dan Inman	Virginia Tech
Dimitris Lagoudas	Texas A&M U
Don Leo	Virginia Tech
Arnie Lumsdaine	U Tennessee
Chris Lynch	Georgia Tech
Jeff Martin	Sandia Nat'l Labs
Mehrdad Ghasemi Nejhad	U Hawaii
Roger Ohayon	CNAM
Janet Sater	Inst. for Defense Analyses
HS Tzou	U Kentucky
Kon-Well Wang	Penn State U
Greg Washington	Ohio State U

Guests:

Jiangyu Li	U Nebraska Lincoln	jli2@unl.edu
William Clark	U Pittsburgh	wclark@engr.pitt.edu
Lisa Mauck Weiland	Virginia Tech	Mauck-weiland@vt.edu
Pavel Chaplya	Sandia Nat'l Labs	pmchapl@sandia.gov
Daniel Shin	UCLA	shin@seas.ucla.edu
Geoff McKnight	HRL Labs	gpmcknight@hrl.com
Sean Fahey	CSA Engr.	sf@csaengineering.com

Alan Browne	GM R&D Center	alan.l.browne@gm.com
Norm Wereley	U Maryland	wereley@eng.umd.edu
Kara Peters	North Carolina State U	kjpeters@eos.ncsu.edu
Shiv Joshi	NextGen Aeronautics	sjoshi@nextgenaero.com
Zoubeida Ounaies	Virginia Commonwealth U	
Chris Martin	IDA	

The meeting started at 8:00 pm. A copy of the final agenda is attached.

- 1.0 Members, friends, and visitors in attendance were introduced.
- 2.0 Minutes from the Technical Committee meeting at the 2003 SPIE Smart Structures and Materials Symposium, San Diego, CA were e-mailed to the group previously. The minutes from March 2003 meeting (with the changes suggested by Janet Sater) were accepted.
- 3.0 Mary Frecker circulated the TC roster for updating.
- 4.0 Treasury Report: Greg Washington circulated a report summarizing the YTD income and balance of the TC treasury (attached). He reported that he has done an audit of the account. The current balance is \$5107.43. The fund-raising committee has implemented its short term plan to solicit industry sponsor for TC events. Three companies sponsored today's meeting, CSA Engineering, Lockheed Martin, and NextGen Aeronautics. The committee has not yet implemented its long term fund raising plan, but will give a report at the next meeting in March.
- 5.0 Reports on ASME IMECE
 - 5.1 2003 ASMS Symposium: Don Leo reported that there were a total of 13 sessions, including 1 panel and 12 sessions of technical papers with 4-5 papers per session. There were 61 papers presented, 54 of which will be published in the proceedings, and 7 of which were technical presentations only. There were 16 materials papers, 38 structures papers, and 7 other. There were 3 abstracts rejected or transferred to other sessions.
 - 5.2 2004 ASMS Symposium: Don Leo circulated the call for papers for next year's meeting in Anaheim.
- 6.0 Reports on AIAA SDM
 - 6.1 2003 Adaptive Structures Conference: Greg Agnes reported that there were 9 sessions with 6-7 papers/session. 73-74 papers were submitted, and 62 were accepted.
 - 6.2 2004 Adaptive Structures Conference: Greg Agnes reported that the conference will be in Palm Springs in April 2004.
- 7.0 Reports on SPIE Symposium

- 7.1 2003: Alison Flatau reported that Marc Regelbrugge could not attend the meeting, but Pat Wight had sent an e-mail reporting that 658 papers were presented at the conference.
 - 7.2 2004: Alison Flatau reported that as of 9/3/03 there were 497 abstracts accepted, and that about 550 abstracts have been submitted to date.
 - 7.3 Smart Structures & Integrated Systems Conference
2004: Alison Flatau reported that 72 abstracts have been accepted for 14 sessions.
2005: Victor Giurgiutiu volunteered to serve as co-chair.
 - 7.4 Active Materials: Behavior and Mechanics
2004: Dimitris Lagoudas reported that 95 abstracts have been accepted, 72 as papers, and 23 as posters.
2005: Marcelo Dapino volunteered to serve as co-chair.
 - 7.5 Damping and Isolation
2003: Kon Well Wang reported that 53 papers were presented.
2004: Kon-Well Wang reported that 69 abstracts were submitted, 4 were redirected, and 2 were rejected. 63 abstracts were accepted for 12 sessions, and 1 was accepted as a poster.
 - 7.6 Industrial and Commercial Applications
2003: Eric Anderson reported that 45 papers were presented, with 4 no-shows.
2004: Eric Anderson reported that 46 abstracts have been accepted, and 7 posters. He thought that the co-chair is Ed White. Porter Davis and Ed White will decide who will serve as co-chair. (Per Alison Flatau's e-mail of 12/3/03: Ed White confirmed that he is co-chair for 2004, and will be chair for 2005 & 2006, with Porter Davis as his co-chair in '05 & '06.)
 - 7.7 Alison Flatau reported that there will be a joint conference between Smart Structures and NDE, and that she will talk with SPIE about having the ASME TC take over that conference. Victor Giurgiutiu may serve as co-chair.
 - 7.8 Best Student Paper competition: Arnie Lumsdaine reported that 30 abstracts have been submitted to date, out of a total of 70 papers with students as first authors. 1000-word abstracts with students as first authors can still be submitted by email to Arnie by 12/15/03. Sage publications has volunteered to co-sponsor the competition. The prize winners will submit their papers to a special issue of JIMSS. JIMSS has committed \$500/year for 4 years to the competition. CSA, Rhombus, and possibly Boeing will also be co-sponsoring the competition. The prizes consist of cash awards, a subscription to JIMSS, and a waiver of conference fees. Arnie will be looking for volunteers to help with the review process.
 - 7.9 Greg Washington reported that TC members should be paying the SPIE member rate for conference registration.
 - 7.10 Chris Lynch reported that 4 out of 8 conferences are organized by the TC, plus possibly 1 more if the TC takes over the joint conference with NDE. There are approximately 300/500 papers that can be attributed to the TC. He suggested that the TC may want to re-discuss its relationship with SPIE for the conference. Greg Washington reported that the TC gets \$2000/year from SPIE. Dimitris Lagoudas suggested that the TC ask SPIE to support keynote lectures.
- 8.0 Reports on International Conference on Adaptive Structures & Technology (ICAST)

- 8.1 2003 South Korea: Norm Wereley reported that he is handing off duties as chair to Dan Inman. The attendance at the conference was approximately 60 Asians, 10 North Americans, and 10 Europeans.
- 8.2 2004 Bar Harbor, Maine: Dan Inman reported that the TC is co-sponsoring the conference and that it may generate income for the TC. At the conference senior authors should present papers; student papers will be presented in a poster session with 5 minutes presentation each. Dan distributed the call for papers. The 2005 conference will be held in Paris and will be organized by Roger Ohayon.

- 9.0 Honorary Subcommittee
 - 9.1 ASME Adaptive Structures and Material Systems Prize: Dan Inman reported that the prize will go to Gary Anderson from ARO. The prize will be presented at the AIAA SDM meeting, where Gary will give a lecture.
 - 9.1.1 Per Dan Inman's email amendment to his meeting comments (forwarded to all TC meeting attendees by Alison Flatau on Dec. 2, 2003) Dr. Anderson has declined the award. The committee will have to vote again on the 2004 Award.
 - 9.2 ASMS Best Paper Awards: Chris Lynch reported that there is not a sufficient number of nominated papers to give awards for past years. He requested nominations for this year's award from the conference chairs. He suggested that the award process be formalized and put into the TC bylaws.
 - 9.2.1 Structures and Structural Dynamics: Don Leo reported that the structures award will go to Norm Wereley.
 - 9.2.2 Materials and Material Systems: There was no report.
 - 9.3 Recognition Campaign: Kon-Well Wang reported that the ASME fellow nomination procedure is in progress. Nominees are required to have 10 active years in ASME and to meet the other achievement criteria that were e-mailed to the TC previously.

- 10.0 Operating Procedures
 - 10.1 Bylaws: H.S. Tzou reported that many items in the bylaws need to be updated and revised. He requested that the person in charge of each activity review their procedures and provide updates. Updates should be sent to H.S. and Jeff Martin by January 30, 2004. The updates will be sent to the TC members 2 weeks prior to the 2004 SPIE meeting. The TC will discuss the revised bylaws at the 2004 SPIE meeting.
 - 10.2 TC Database: Diann Brei circulated a report on the database (attached). She reported that the database has been updated; 3000 entries were narrowed down to 1160. Email addresses have been verified and most addresses and phone numbers are up to date. The database committee has developed guidelines that have been approved by AIAA TC with the addition of an annual update. Don Leo volunteered to serve as the database manager. The database will be kept and managed at CIMSS at Virginia Tech. TC members can advertise conferences by sending an e-mail to Don to be forwarded to database. There was a discussion about whether the database could be sold to other conferences with approval of the ASME and AIAA TC's. It was agreed that both TC's should consider a clause allowing the possibility of selling the database to other conferences. H.S. Tzou suggested that the database guidelines be incorporated into the bylaws. The TC voted to approve the guidelines.

- 11.0 AIAA Business: no report.
- 12.0 ASME business: Elio Manes introduced Andy Bicos, chair of ASME Aerospace Division Executive Committee. Andy invited TC members to attend the Aerospace committee meeting on Thursday. He reported that 26 sessions have been allocated to Aerospace for next year's conference, and that the manufacturing track may be an avenue for additional sessions. He would like TC members to become Executive committee members as they rotate off the TC, and supplied a list of current executive committee members.
- 13.0 Other:
 - 13.1 ASME fellows, Inder Chopra and Greg Carman were acknowledged.
 - 13.2 Alison Flatau reported that there is a TC web site linked to the ASME web site. She solicited comments from the committee on the content of the web site. Don Leo reported that the database committee is working on developing a new web site for membership. He will send the call for papers for the 2004 ASME conference to Elio Manes to be posted on the web site. Elio reported that the TC minutes and bylaws can also be posted on the web site.
- 14.0 Nominations for new TC members: Mary Frecker reported that there are currently 13 government, 5 industry, and 23 academic members of the TC. The responsibilities of the membership chair should be updated in the bylaws and be discussed at the next SPIE meeting.
 - 14.1 Pavel M. Chaplya of Sandia National Labs was nominated for membership by Greg Carman, and was approved by the TC.
 - 14.2 Chris Martin of IDA was nominated for membership by Janet Sater, and was approved by the TC.
 - 14.3 Kara Peters of North Carolina State University was nominated for membership by H.S. Tzou , and was approved by the TC.
- 15.0 The meeting was adjourned.

Special thanks to the sponsors of this event:



**ASMS Technical Committee
Treasury Report
11/18/03**

	Income Statement	Balance Sheet
Opening Balance		\$2079.29
YTD Investment Income	\$118.52	
YTD Revenue	\$5000.00	
YTD Expense	(\$2090.38)	
Net Income		\$5107.43
YTD Transfers		0
Ending Balance		\$5107.43