

**American Society of Mechanical Engineers - Aerospace Division
Adaptive Structures and Material Systems Technical Committee**
Meeting at the
SPIE Annual International Symposium on Smart Structures and Materials
San Diego, California
Tuesday, 11 March 2008
7:00-10:00pm

Attendees:

Members- George Ahkras, Barbar Akle, Eric Anderson, Diann Brei, Alan Browne, Greg Carman, Constantin Ciocanel, Marcelo Dapino, Porter Davis, LeAnn Faidley, Alison Flatau, Mary Frecker, Michael Fripp, Nakiah Goulbourne, Kyle Henderson, Chris Henry, Dan Inman, Conor Johnson, Nancy Johnson, Shiv Joshi, Kam Leang, Don Leo, Jiangyu Li, Sergio Dos Santos e Lucato, Chris Lynch, Jordan Massad, Lisa Mauck Weiland, Geoffrey McKnight, Brett McMickell, Karla Mossi, Mehrdad Ghasemi Nejhad, Chris Niegrecki, William Oates, Roger Ohayon, Zoubeida Ounaies, Gyuhae Park, Kara Peters, Lance Richards, Janet Sater, Henry Sodano, Gangbing Song, Lizhi Sun, K.W. Wang, Greg Washington, Norman Wereley, Ed White
Visitors- Mehdi Ahmadian, Paul Alexander, Mourad Alhadrouz, Jayasima Atulasimha, F. Tad Calkins, Constantin Ciocanel, Kevin Farinholt, Ephraim Garcia, Grace Kessenich, Jonathan Luntz, Poorna Mane, Justin Manzo, Michael Philen, Charles Seeley, Gary Seidel, Michael Seigler, Jonghwan Suhr, Vishnu Baba Sundaresan, Eric Swenson, Jin Yoo, Andrei Zagrai

MINUTES

0.0 Attendance and acknowledgment of visitors (Mary Frecker, Chair)

The meeting started at 7:20pm

1.0 Review and acceptance of minutes of committee meeting held at ASME IMECE 2007, Seattle, Washington (Marcelo Dapino)

Minutes approved

2.0 Membership Report

3.1 Circulation of Roster for Updating (Marcelo Dapino)

3.0 Treasury Report (Zoubeida Ounaies)

Ounaies stated that the Committee depends on donations from industry. She acknowledged donors and members Marcelo Dapino, Mary Frecker, Dimitris Lagoudas and Kara Peters (who donated their registration waiver to the Committee.) She also thanked Ephraim Garcia for transferring \$2k into the Committee's account (Anderson Award, etc.)

3.1 Status and update

3.2 Fundraising subcommittee report (Greg Washington)

Meetings were held to discuss finances. (i) Current situation/fundraising (ii) Fundraising request of Aerospace Division, and (iii) Fundraising request of individual members (ppt attached) SMASIS conference – conference revenue used to pay the fees. Profit split 80/20 with 20% going to Aerospace Division.

Proposal 1 – Aerospace Division's portion to be split 70/30 with the ASMS TC, with 30% going to the Aerospace Division. The 70% component will be used to build an endowment.

Proposal 2 – The ASMS TC will request \$20k from the Division (\$12k for award endowment); \$6k for general committee support; \$3k for future ASMS TC Conference Fund Account

E. Garcia – Aero Division wants to set money aside for the TC to grow the fund and is preserved (custodial funds)

C. Lynch – ASME encouraging Divisions to take an entrepreneurial approach; ASME is willing to give the TC the 80% funds to see the TC grow

Proposal 3 – TC requests conference attendees to donate \$25 as part of the Pioneer's banquet (primarily used to support the awards)

D. Brei – Funds not be tied to Pioneer's banquet

M. Frecker – Emphasize that money is to build an endowment

N. Wereley – Issue with people paying with university funds not being able to donate (whereas dues might be ok)

M. Frecker - Endow all awards. Proposal #1 amended to reflect this.

There was a vote on the 3 proposals – All members voted in favor.

4.0 Update on Aerospace Division by Aerospace Division executive committee (Chris Lynch)

The Aerospace Division wants to support the TC. If there are things the TC needs funds for, it may ask the Division.

E. Garcia: The TC will be properly supported

5.0 Update of TC bylaws (Marcelo Dapino)

Discussion of bylaws

6.0 Reports on ASME IMECE and ASME SMASIS

2007 ASMS Symposium: Kara Peters and Mohammad Elahinia

No comments

2008 ASME SMASIS: Chris Lynch and Diann Brei

C. Lynch (see attached file): Revisit title in the future

Purpose: replace the ASMS portion of the discontinued ASME IMECE

Currently targeting 175 papers (T, W, R); 3 parallel sessions

D. Brei: Full paper Due Aug. 4th 2008 will be considered for submission to JIMSS, SMS, JMD, JVA

C. Lynch: More details on SMASIS program. Advertising (flyers, web site, IOP, ASME and AIAA e-mail lists; personal contacts)

Looking to hold the next meeting in Miami (2009)

D. Brei: Need volunteers for best student papers of the conference

N. Wereley presented on special issues associated with SMASIS (see attached)

7.0 Reports on AIAA Adaptive Structures Conference

2008 Adaptive Structures Conference: Carlos Cesnik and Shiv Joshi

Shiv Joshi reported that the conference will be in Chicago next April 2008 (49 papers, 9 sessions) 3 special sessions: health monitoring, student “shootout” session, and aerospace structures

2009 Adaptive Structures Conference: Shiv Joshi and Greg Rich

8.0 Reports on SPIE Symposium

2008 – Chair: Alison Flatau, Co-Chairs: George Y. Baaklini, Don Leo, Kara Peters

A. Flatau: Contact person changed (Rob Whitner)

Abstracts 2007 - 780 (641 after cancellations) – 690 showed up

Abstract 2008 - 788 (702 after cancellations) - 692 preregistered (670 showed up so far)

Plenary speakers needed.

2009 – Chair: A. Flatau, Co-Chair: D. Leo

2010 – Chair: D. Leo, Co-Chair: Kara Peters

8.1 Active and Passive Smart Structures and Integrated Systems

2008 – Chair: Mehdi Ahmadian, Co-Chair: Mehrdad Ghasemi-Nejhad

112 submissions

21 sessions

2009 – Chair: Mehdi Ahmadian, Co-Chair:

7.2 Behavior and Mechanics of Multifunctional Materials and Composites

2008 – Chair: Marcelo Dapino, Co-Chair: Zoubeida Ounaies

99 submissions

2009 – Chair: Zoubeida Ounaies, Co-Chair: JiangYu Li

7.4 Industrial and Commercial Applications

2008 – Chair: Porter Davis, Co-Chair: B.K. Henderson / M.B. McMickell

52 submissions

Auto sessions

Future of SMA

2009 – Chair: B.K. Henderson, Co-Chair: M.B. McMickell

7.5 Sensors and Smart Structures Technologies for Civil, Mechanical and Aerospace Systems

2008– Masayoshi (Tomi) Tomizuka and Victor Giurgiutiu and Chung Bang Yun

2009 – Chair: ?, Co-Chair: ?

7.6 Best Student Paper competition: Nakhiah Goulbourne, Chris Nisrecki (seek details)

28 submissions

Sponsors: CSA and Boeing

9.0 Reports on International Conference on Adaptive Structures & Technology (ICAST)

2007 Ottawa, Canada, F. Nitsche

70 participants

2008 Switzerland, F. Campaneli

2009 Honk Kong Liao

- 10.0 Honorific Subcommittee
 - 9.1 ASME Adaptive Structures and Material Systems Prize (Dimitris Lagoudas)
Went to Kon-Well Wang
 - 9.2 Nominations for the ASMS Best Paper Awards (Don Leo)
 - Structures and Structural Dynamics (Norman Wereley)
 - Liao & Wang (SMS 2007)
 - Materials and Material Systems (Pavel Chaplya)
 - Carman & Chang
 - 9.3 Gary Anderson Prize (Don Leo)
 - I. Karaman
 - 9.4 ASME Fellow Nominations (Kon-Well Wang)
 - 2 cases being considered
- 11.0 AIAA Business (Diann Brei)
 - 11.1 AIAA/ASME joint newsletter – modification to Bylaws
- 12.0 Management of the Smart Structures database (transferred from Don Leo to Marcelo Dapino)
 - Nothing to report
- 13.0 TC web site (Kam Leang)
 - Kam Leang reported on status of the new ASMS website
- 14.0 Nomination of new TC members:
 - 14.1 Charles Seeley (tabled)
 - 14.2 Paul Alexander (passed)
 - 14.3 Jonathan Luntz (passed)
- 15.0 Adjourn
 - The meeting was adjourned at 9:17pm

Files requested from Greg W., C. Lynch, N. Wereley