

**American Society of Mechanical Engineers - Aerospace Division  
Adaptive Structures and Material Systems Technical Committee**

Meeting at  
SPIE 2012  
San Diego, CA  
Tuesday, March 13<sup>th</sup>, 2012 from 7:00-10:00pm in Sunrise Room

**Minutes**

**Attendees:**

Members- B. Akle, H. Asanuma, J. Atulasimha, D. Brei, A. Brown, C. Ciocanel, D. Clingman, M. Collet, M. Dapino, V. Giurgiutiu, J-H Han, A. Flatau, N. Goulbourne, D. Hartl, D. Inman, N. Johnson, S. Joshi, H. Karaca, K. Kim, D. Lagoudas, J. Leang, K. Leang, Y. Lin, S. Lucanto, J. Luntz, C. Lynch, G. McKnight, C. Nizrecki, W. Oates, R. Ohayon, Z. Ounaies, G. Park, K. Peters, W. Reynolds, W. L. Richards, S. Seelecke, J. Suhr, V. Sundaresan, K. W. Wang, N. Wereley, L. Weiland, H. S. Yoon, O. Myers,

**Friends-**

Visitors- S. Anton, C. M. Chang, D. Doyle, N. S. Goo, A. Karami, S. Kishimoto, W. H. Liao, H. Naguib, A Sarles, R. Tiwari, H. Tang, Y. Wang, J. Yang, U. Zangrilli

**0.0 Attendance and acknowledgment of visitors (Marcelo Dapino)**

Marcelo started the meeting at 7:22pm by welcoming visitors and members. Introduction of members and visitors done.

**1.0 Review and acceptance of minutes of TC meeting at SMASIS 2011 (Marcelo Dapino)**  
Motion to accept the minutes made by Victor Giurgiutiu, seconded by Kon Well Wang. Minutes passed.

**2.0 Membership Report**

2.1 Circulation of roster for updating (Zoubeida Ounaies)  
Roster was passed around for updating and for checking attendance.

**3.0 Treasury Report**

3.1 Status and update (Lisa Weiland)

**4.0** Lisa acknowledged donors: Marcelo Dapino, Henry Sodano, Nakhiah Goulbourne and Kevin Farinholt.

Balance of treasury presented and document is attached to minutes. While in the short term the balance is in red but income from SMASIS and SPIE are coming in which, will help to balance the budget. Allocation of SMASIS revenue was discussed (document attached). Broadly speaking, future revenues will be divided between branch (80%) and custodial (20%) accounts. Working on memo to detail this agreement.

**5.0 Update on Aerospace Division by Aerospace Division Executive Committee (Chris Lynch)**

Documents attached. Chris proposed to elevate Adaptive Structures prize to ASME level and endow. He also announced that there are so far about 4 or 5 TCs formed under our branch. The TCs more or less mirror the symposia under SMASIS and have similar leadership.

ASME structures slide presented by Chris Lynch. Need branch to nominate someone to be on the Aerospace Division's Executive Committee.

Diann detailed the need for members for the various aerospace division committees.

Dimitris Lagoudas suggested that a TC should be formed based on need not based on volunteers, in other words, we as a branch should identify areas that we want to have visibility in and that would be strategic for the future and based on that, TCs would develop around these themes and would be active. Chris responded that they started looking at 'areas'. Zoubeida added that the two aspects are important: need for volunteer and oversight from branch and division to make sure the need is real and sustainability/longevity is there if a TC were to be formed. Norm asked how specific and focused the TC should be and cited the example of MR fluids. Marcelo responded that the answer is sustainability; can you sustain activity in MR fluids? If yes, then go for it.

To get people on division exec committee: get CV at SMASIS and vote at SPIE. Discussion about length of term ensued. Norm motioned to accept that the length should be a 3-year term. Alison Flatau seconded. Motion has passed.

5.1 Ad-hoc subcommittee on process for selection of delegates to exec committee (chair of subcommittee: Alison Flatau). Subcommittee met this week and discussed themes of TC committee, branch committee, and division committee. Right now, the process of getting involved in TC is ad-hoc: one volunteers. The subcommittee identified three proposals: 1) Branch process involves identifying a co-chair for 2 years, then co-chair ascends to chair in the Fall, on even years. This is what we have currently and it seems to be working. Chair selects secretary and treasurer. 2) Other options: voting on chair and co-chair; and finally 3) map into current process of getting into division through 3 year commitment, identify nominees for treasurer and conduct votes, move on to co-chair then chair after one year. Subcommittee would like to recommend this 3<sup>rd</sup> option to the members and this would involve re-writing the bylaws. There is merit in this alternative approach. Dan Inman said why change something that is not broken. Zoubeida responded that this is a good point, but some things have changed: a lot more people would be looking for leadership roles now that there are TCs under the branch so a shorter 3 year commitment is a good way to involve more people. Sergio said it is hard for treasurer to be only there for one year but Lisa says the role changed a bit because now there is only one person as contact and it is the person at the division level. Marcelo requested a motion and Diann recommend a motion to pick the option of 3-year term. Dan Clingman seconded motion. Motion passed of 3-year term, which means members of the ASMS branch will vote on treasurer. The treasurer will then move on to co-chair then chair. The chair will select a secretary.

#### 6.0 Update on SPIE Best Student Paper competition (Constantin Ciocanel)

47 submissions, 7 international. 6 finalists. 12 judges but need more. Competition is tomorrow morning between 9:10-12noon in Towne. Announcement of winners is Thursday morning at 8:10 at SPIE. Cornel Ciocanel and Karla Mossi were commended for increasing the number of submissions (relative to last year) for this year's student competition.

#### 7.0 Report on SMASIS conference (Diann Brei)

2011 – General Chair: Diann Brei; Technical Chairs: Stefan Seelecke and Nancy Johnson  
See attachment. Report by Diann.

2012/2013 - General Chair: Stefan Seelecke; Technical Chairs: Nancy Johnson and Andrei Zagrai

Stefan reported on SMASIS 2012 location etc. attachment (get copy from Marcelo).

#### 8.0 Report on SPIE Smart Structures/NDE conference (Don Leo)

2012 – Chairs: Norbert Meyendorf and Norman Wereley; Co-Chairs: Victor Giurgiutiu and Chris Lynch

Organizing committee is tomorrow so details will be shared through email to include in minutes. Registration seems lower than last year.

2013 - Chairs: Norbert Meyendorf and Norman Wereley; Co-chairs: Victor Giurgiutiu and Chris Lynch

9.0 Report on AIAA/ASME/AHS Adaptive Structures Conference (Norm Wereley)  
2012 - Ed White, General Chair; David Voracek, Technical Chair  
2013 - David Voracek, General Chair; Ratneshwar Jha; Technical Chair

10.0 Report on International Conference on Adaptive Structures & Technology (ICAST)  
2012 Jianhio Qiu (Nanjin, China) 11-13 October  
2013 Nakhiah Goulbourne (Costa Rica)

11.0 Honorific Subcommittee

11.1 ASME Adaptive Structures and Material Systems Prize (Dimitris Lagoudas)  
5 past recipients of winners: Lynch, Kudva, Ohayon, Baz : this year's winner is Norm Wereley.  
In his honor, there will be a SMASIS session on magnetorheological fluids. Also, Norm will give a keynote lecture at AIAA/SDM.

11.2 ASMS Best Paper Awards (Zoubeida Ounaies)  
ZO thanked the subcommittee chairs Norm and Nakhiah for taking care of the judging of the best papers. Announcement of winners (see attachment). Official prizes will be given out at SMASIS.  
10.2.1 Structures and Structural Dynamics (Nakhiah Goulbourne)  
10.2.2 Materials and Material Systems (Norman Wereley)

10.3 Gary Anderson Award (Zoubeida Ounaies)  
10.3.1 ZO thanked the subcommittee who judged the CVs. There was a strong pool of contestants this year. Announcement of this year's winner: Dr. William Oates. See attachment. Official prize giving at SMASIS.

10.4 ASME Fellow Nominations (Don Leo)  
Don could not attend but sent a message that he is working on submitting two nominations for ASME fellows by June 1<sup>st</sup>.

12.0 AIAA Business (Norm Wereley): nothing to report

13.0 AIAA/ASME joint newsletter (Diann Brei): newsletter is out. Read it. Recognizing Sergio for working on the newsletter. Newsletter goes out to 10,000 people.

14.0 ASME/AIAA database report (Diann Brei and Poorna Mane). Nothing to update. Database works well. Mohamed Elahinia is chair of subcommittee.

15.0 Branch web site report (Kam Leang): website is updated. There is also a link for the website from the ASME page.

Members list update. Please check.

Bylaws updated

Awards updated.

List of student awards (get from Cornel)

ZO and Kam discussed taking photos for website; have gmail account for branch related photos.

Need student volunteers to take photos.

Abe Hassan from ASME to include link of website on division website and it is up. Need to update officers of branch.

Switching website platform so branch officers can log in and make changes.  
Who will pay for website \$15/year? It was decided that it will come out of our Branch's account.

16.0 Nomination of new branch members:

- 16.1 Derek Doyle (Victor Giugitu): discussed. Approved.
- 16.2 Hani Naguib (ZO) : discussed. Approved.
- 16.3 Nam Seo Goo (Hiroshi) : discussed. Approved.
- 16.4 Amin Karami (Dan Inman) : discussed. Approved.
- 16.5 Steven Anton (Kevin) : discussed. Approved.
- 16.6 Wei-Hsin Liao (Kon Well) : discussed. Approved.

17.0 Adjourn