

American Society of Mechanical Engineers - Aerospace Division
Adaptive Structures and Material Systems Branch

Meeting at SMASIS 2016
Stowe, VT
9/28/2016, 7:30-10pm Tamarack C

Members Attending: Zoubeida Ounaies, Yashwanth Tummala, William Oates, Wael Zaki, Vishnu Baba Sundaresan, Uwe Marschner, Travis Turner, Suyi Li, Steven Anton, SooBum Lee, Rocco Vertechy, Richard Beblo, Ralph Smith, Onur Bilgen, Nima Mahmoodi, Nancy L., Johnson, Mohammad Elahinia, Michael Philen, Matthew Bryant, Mary, Frecker, Marcelo Dapino, Manuel Collet, Kevin Farinholt, Kenneth Loh, Jonathan Luntz, Ji Su, JeongHoi Koo, Jayasimha Atulasimha, Jay Gao, James Mabe, James Gibert, Henry Sodano, Heidi Feigenbaum, Hani Naguib, Haluk Karaca, Gary Seidel, Eugenio Dragoni, Eric J Ruggiero, Eric Freeman, Dimitris Saravanos, Dimitris C. Lagoudas, Darren Hartl, Chris Lynch, Bjoern Kiefer, Amin Karami, Alan Browne

Friends Attending: Tyler Tallman, Shima Shahab, Mostafa Nouh, Jovanova Javana, Joseph Calogero, Johannes Riemenschneider, Jared Hobeck, James Moore, Fernando Moreu

AGENDA

1. Attendance and acknowledgment of visitors (Oliver Myers for Mohammed Daqaq)
Calls meeting to order at 7:31
2. Mentions why filling in for MD
Go around room and do introductions. Membership roster passed around.

3. Review and acceptance of SPIE 2016 meeting minutes (Oliver Myers for Mohammed Daqaq)
M Elahania asks for names to be added to top, as is done in the above.
Diane Brie moves to accept, Zoubeida seconds, approved unanimously with addition
4. Membership Report (Darren Hartl)
 - 4.1. Circulation of roster for updating
-List updated...please be careful, but sorry for past errors, and for past difficulties in marking sheets. Should be fixed for now.
-Have a problem with people retroactively adding conferences they attended, but not ASMS MEETINGS!! Bylaws are wrt meeting attendance...odd that some could miss filling in roster so many meetings in a row. We have to take you on your honor. This has been clarified on the sheets.
 - 4.2. Current membership statistics
 - 4.3. TC membership updates still needed
-Members slated to be changed to "FRIENDS" have been noted
-Been monitoring emails that are returned, and vast majority are inactive members/friends
D. Brei: Recommends that an initial email to ask if they would like to be moved to friends.
Should act based just on current bylaws.

4. Treasury Report (Constantin Ciocanel)
 - 4.1. Status and update
Begin balance: 5840, expenses: 2410, contributions: 500, current available \$3930.29
 - 4.2. Acknowledgement of donors for SPIE 2016
(Zoubeida Ounaies, Billy Oates, and Gyuhae Park)
This are not reflected in the budget above since they have not been posted yet.

5. Update on the SPIE 2016 discussions on rolling out the ASMS Branch into an independent Division within ASME. (Zoubeida Ounaeis)

ZO: Provides a “progress report.” Recall that we voted to put together a proposal to the division to request ascension. It then became clear that the proposal needed to focus on financial planning so that we can keep being successful with SMASIS and awards. MD and OM asked committee to look into this issue more closely. At SPIE we discussed ASME changes. “ASME Now” has given more clarity in terms of divisions, what they will support, finances, etc. Currently have \$180K. Working on proposal to endow some awards. ASME has a new procedure.

Right now just don't have enough data to go ahead with a recommendation. Sorry that we are delaying further, but we should address this again at SPIE. Happy to answer any

Chris Lynch: I am confused about the budget vis a vis conferences.

ZO: Right now the AERO division has a \$179k balance. Our budget is \$41k (16-17). We don't have to spend this, but we do have to submit a plan on how we will spend it.

Chris: Still confused. There will be expenditures every year and money has to come from somewhere. Where? Are all we doing is asking for money from ASME?

ZO: They call this a forward spending plan. We tell them the items we have to cover, and they say what they have or will allocate. If they are short, they could charge more registration at SMASIS, etc.

Chris: When will we move forward with the proposal?

ZO: SPIE. Also we need to look at the members. Division has 1000's of members. Branch has 140 members. Does it make sense to be a division?

Diane B.: We need to figure out what TC's need to operate. Once the money is gone, we will get an “allowance” and we need to have established what that amount is...will be easier to get what we need.

6. Update on Aerospace Division by Aerospace Division Executive Committee Chair (Olesya Zhupanska)

ZO: OZ doesn't usually attend and I am the Vice Chair, so I will represent her. We have strong committee, including past chairs Nancy, Diane, Chris, etc. Nancy Johnson is the past chair and is still very involved, including looking into endowing prizes. So we want to thank her (presents a plaque).

7. Status of Branch's Technical Committees (Oliver Myers)
 - 7.1. Active Materials and/or Multifunctional Materials (Chair: Henry Sodano and co-Chair: Jayasimha Atulasimha)

Henry: Chair passed to Atul. Both SYMP very successful, 34 papers and 50 papers. Discussed membership options. We also discussed how to “clean” the roster as well, but not sure how to proceed.
 - 7.2. Adaptive Systems Dynamics and Controls (Chair: James Gibert and co-Chair: Rocco Vertechy)

James: 29 papers for SYMP, good meeting, focused on special issue in JIMSS
 - 7.3. Structural Health Monitoring (Chair: Lingyu “Lucy” Yu and co-Chair: Andrew Swartz)

2nd co-chair: Discussed special issue in JIMSS. 40 abstracts, 24 papers. Discussed future student activities and funding such activities. Created SHM page on the ASME website. Expect to solicit more papers for SMASIS. Perhaps a short course on SHM next year.
 - 7.4. Active Material Technology and Integrated Systems (Chair: Phillip Evans and co-Chair: Chai Hutapea)

Onur: Last year we had to change from Phillip Evans, now Chai elected as chair. Onur accepted as co-chair. Added three members to the TC. Discussed some website issues, including creating a YouTube channel.
 - 7.5. Bio-inspired Structures and Systems (Chair: Vishnu Sundaresan and co-Chairs: Andrew Sarles, Pablo Tarazaga)

Andy left academia, Eric is now the chair, Amy is vice chair. Issue was enhancing quality of submissions by contacting abstract authors and reminding them of the draft process.

- 7.6. Energy Harvesting (Chair: Matthew Bryant and Co-chair: Ryan Harne)
 MB: 32 talks with 2 invited. Discussed plans for next SMASIS conference. Want to reach out to metamaterials people with energy harvesting potential. Discussed best paper award. Currently funded by JIMSS and SMS and need to see how to continue to fund.
8. Update on SMASIS Best Student Paper competition
 (Heidi Feigenbaum, Lingyu "Lucy" Yu, Julianna Abel)
 HF: Successful 2 sessions this morning. After 35 papers submitted, each paper judged 3-4 times each. 6 more judges at the session. We will announce winners at the banquet.
9. Report on SMASIS 2016 conference (Michael Philen)
 Ken Loh presents slides...Michael talks
- 9.1. Summary on SMASIS 2016.
 MP: Thanks the SYMP chairs. Also thanks Ralph, Nancy, and DB for unofficial help. Ready to get rid of the "hat" to Ken since he won't be at the banquet tomorrow. Really thankful to Ken and Billy since they are new and jumped right in. Ken wears the "hat".
 KL: Thanks everyone...conference is going well. Thanks to Mike for teaching how things work. Plan to identify new Tech Co-Chair very soon
- 9.2. Updates on SMASIS 2017.
 Will be going back to SnowBird. Conference is M-W. (Shows some new pictures, etc.) Provides the new timeline/schedule. Activities will continue as they are (competitions, outings, etc.) Will forgo the networking lunch. HS outreach will continue. Asks for involvement, especially for promoting or judging the competitions.
10. Report on SPIE 2016 Smart Structures/NDE conference (Jay Kudva, Greg Reich)
- 10.1. Report on Specific Conferences at SPIE
- 10.1.1. Active and Passive Smart Structures and Integrated Systems VII (Chair: Gyuhae Park co-Chair: Alper Erturk) Henry: Alper is will and GP didn't make it
- 10.1.2. Behavior and Mechanics of Multifunctional Materials and Composites VII (Chair: Nakhiah Goulbourne, co-Chair: Hani Naguib): HN: Received 35 abstracts and extended abstract date to Friday. Also trying to add new themes (AM)
- 10.1.3. Industrial and Commercial Applications of Smart Structures Technologies VII (Chair: Steven Griffin, co-Chair: Alan L. Browne) No input
- 10.1.4. Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems (Chair Jerome Lynch, co-Chairs: Kon-Well Wang and Hoon Sohn) No input
- There will be a special session for Dan Inman that Pablo and Don are organizing. Should be getting information. There will also be a more informal lunch meeting as per Steve Anton.
11. Report on AIAA/ASME/AHS Adaptive Structures Conference (Ed White)
- 11.1. 2016 - January 4-8, 2016, Manchester Grand Hyatt, San Diego, CA
- 11.2. 2017 - January 9-13, 2017, Gaylord Texan, Grapevine, TX
- Darren summarizes the slides provided by Farhan.
 Marcelo: comment/question- It is relevant to ASME service for fellow, but it seems that this is a conference that is not serving ASME. This does have an impact on fellow nominations.
 Diane B mentions also SPIE, ICAST, and also SciTech.
 ZO: That is why we have to revisit the partnerships. It has an impact on many things.
12. Report on International Conference on Adaptive Structures & Technology (ICAST) (Farhan Gandhi)
- 12.1. Next meeting (2016) in Lake George, NY.
 Shows slides for attendance ,and also shows the 28th (Poland) and 29th (for Korea and several others)

- 12.2. Update on 2017 meeting and alternate “ICAST” conference
DB: We have seen this in the past; this is a scam.
13. Honorific Subcommittee
- 13.1. ASME Adaptive Structures and Material Systems Prize (Norman Wereley)
Chris speaks for Norm: NW says he couldn't make it. Congrats to Ralph. There will be a new chair of the committee. Will be chosen from past awardees. Shows a list from the past through 1993. Will receive a medal going forward.
Chris: Asks for clarification, how does this work. DB: Before Ralph, it is not a society award but was a Division Prize and so there is no medal. It is now award by COH and ASME and the paperwork has to go through them. Chris would like clarification if the past Division winners could now be nominated for the Society award. Chris shows other honors that comes with winning that prize.
- 13.2. ASMS Best Paper Awards (Oliver Meyers)
Awards are announced at SPIE and posted/mentioned in the program (see program)
- 13.2.1. Structures and Structural Dynamics
- 13.2.2. Materials and Material Systems
- 13.3. Ephraim Garcia Best Paper Award (Oliver Meyers)
Award also announced.
- 13.4. Gary Anderson Award (Oliver Meyers)
Shows award slide
- 13.5. ASME Fellow Nominations (Marcelo Dapino)
MD: Members must have 10 years of professional experience and membership in ASME. The part to be emphasized is service to the society. Because ASME is not affiliated with the other meetings, we must be careful in mentioning these in the nominations. There are 9 qualification categories on the website so please look if interested. Four letters required, including my own, from past fellows.
- 13.6. SPIE Fellow Nominations (Chris Lynch)
CL: If you have participated in SPIE and active in the branch, etc., your nomination can be handled by Norm, Chris, or the other Fellows. Even though our conference is not affiliate with optics, they are very open to accepting nominations from our community.
- 13.7. SPIE Smart Structures Lifetime Achievement Award. (Jay Kudva)
Chris for Jay: Jay is handling the next round and the voting, etc.
14. AIAA Business (Olesya Zhupanska)
No update.
15. Branch web site report
- 15.1. Web site report and updates (Onur Bilgen)
- 15.1.1. Asms-tc.org
Website is doing fine. It is a repository of information (awards, committee, bylaws, etc.) Updated every 3-4 months. Minutes and agenda are posted. Biggest issue is that Sergio has paid for the website for 8 years and doesn't want to anymore. Will remain administrator, which is good because hard to change. Annual cost is \$136. Has no organizational affiliation, which maintains future presence. Chris: Asks to have a hat passed around. ZO: We should add to the budget. DBrie: No, then ASME will want to take it over. ZO: Good point. Henry S: We are not a TC, so maybe we could change the website domain. Onur: How about a YouTube channel to which members could link their own videos and protect your own institutive branding. Steve Anton: Could this moderated? Onur: Yes, moderated and comments disabled. Oliver: Let's have Onur do a test run between now and SPIE.
- 15.2. LinkedIn group and Twitter (Barbar Akle)
Oliver asks for comments on these next two items.

- 15.3. Facebook page (LeAnn Faidley)
16. Ascension of Branch Chair (Oliver Myers for Mohammed Daqaq)
Cornel takes over. CC: According to bylaws, Oliver ascends to branch Chair..
17. Ascension of Branch Co-Chair (Oliver Myers)
Cornel ascends to co-Chair.
18. Ascension of Branch Treasurer (Oliver Myers)
Nomination is Darren Hartl
ME: moves to close nominations
Henry seconds:
Hartl voted in unanimously.
19. Vote on Branch Treasurer (Oliver Myers)
 - 19.1. Requests nominations from body
See above
20. Nomination of new Branch members (Oliver Myers)
Yashwanth Tummala: Mary Frecker nominates and comments on him.
Suyi Li: Nominated by Oliver Myers. Recently won the best paper prize.
Oliver asks for motion to accept nominations.
Vishnu moves, Anton seconds. Move to add unanimously.
21. Adjourn
Oliver adjourns meeting at 9:00PM.