

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

Meeting Agenda

Fall Meeting at SMASIS 2019
Omni Louisville, Louisville, KY
Monday, September 9, 2019, 7:30 PM – 10:00 PM
Location: Olmsted Ballroom I-II

1. Attendance and acknowledgment of visitors (Branch Chair: Darren Hartl)
46 members, 27 friends in attendance
2. Review and acceptance of SPIE 2019 meeting minutes (Branch Chair: Darren Hartl)
Minutes accepted.
3. Membership Report (Mike Philen for Branch Secretary: Lucy Yu)
 - 3.1. Circulation of roster for updating
ACTION ALL: Please note EU considers large email lists as spam. EU members should “opt in” to receiving email from the branch and TCs
 - 3.2. Breakdown of membership
Obvious imbalance (not enough industry and gov), please promote industry/gov participation
ACTION BEBLO: suggestion was put forth to include/track US/foreign membership and to add a column for nationality to membership list
4. Treasury Report (Branch Treasurer: Michael Philen)
 - 4.1. Status update – nothing to report
5. Update on ASME Aerospace Division by Division Representative – Diann
Introduction of Barbara Zlotnick from ASME. She is serving in a newly created position as asme liaison.
Asme is looking for new ways to support divisions, if you have suggestions please contact Diann Brei
Changes are coming soon to the organization of asme that will affect us.
6. Status of Branch’s Technical Committees (Branch Vice Chair: Gary Seidel) – **see attached slides**
 - 6.1. Active Materials and/or Multifunctional Materials (Chair: Cornel Ciocanel and co-Chair: Reza Rizvi)
 - 6.2. Adaptive Systems Dynamics and Controls (Chair: Julianna Abel and co-Chair: Giovanni Berselli)
 - 6.3. Structural Health Monitoring (Chair: Ya Wang and co-Chair: Haeyoung Noh, Dan Cole)
 - 6.4. Active Material Technology and Integrated Systems (Chair: Onur Bilgen)
 - 6.5. Bio-inspired Structures and Systems (Chair: Aimy Wissa and co-Chair: Eric Freeman)
 - 6.6. Energy Harvesting (Chair: Amin Karami and co-Chair: Lei Zuo)
7. Report on SMASIS conference (Mohammad Daqaq, Oliver Myers, Andy Sarles)
 - 7.1. Summary of SMASIS 2019
see slides
sharp decline in paper submissions, challenge set out to increase publications, in particular journal publication
call to encourage younger members to participate
 - 7.2. Discussion of plans for SMASIS 2020 – Irvine, CA
see slides
Oliver profusely apologizes for neglecting to call out the proximity of UC Irvine to the SMASIS 2020 venue as pointed out by Chris Lynch
There will be complimentary transportation to/from airport to venue

We will not have the typical marketing push from SPIE b/c it's been moved later, branch leaders are working on strategy for marketing w/ asme, everyone is encouraged to do their part and tell your friends, bring your students looking for nominations for technical co-chair. This position is time consuming so it is encouraged that nominees do not hold other positions with the branch or TCs. If you're interested, please contact Gary Seidel.

7.3. Future of SMASIS –

7.3.1. Selection of dates

SMASIS seems to be getting earlier. There are other conferences near or at the same time pressuring the timing including SHM and ICAST. Concern was expressed by many to be careful not to make it too early in the school year

7.3.2. International sites

Johannes Reimenschneider proposed coordinating a commission to look into new ways to work with international partners. A signup sheet was circulated. Concern was raised that there should be an official process and ground rules set to ensure integration and acceptance by asme. It was agreed that Johannes' group's initial purpose would be to collect ideas about how to interface internationally first, then approach asme. It was suggested we could ask ASME for assistance in this endeavor. Please contact Johannes if you are interesting in joining the team.

Most attendees are from the US however, and concern was raised that the cost of an international location may be prohibitive. Encouragement was given for branch members to go to international conferences independently and individually recruit high performing researchers in their field to attend SMASIS

7.3.3. Transition to Journal publication

Encouragement was given for TC leadership to solicit/advise quality presentations to submit to journals (special issues)

A suggestion was made to move paper submissions later however the ensuing debate identified paper acceptance is linked to visas. The paper must be accepted before a visa will be issued. Online access to papers takes time

A suggestion was made to include a "straight to journal" option for paper submissions to SMASIS such as 1) presentation only, 2) conference paper, 3) SMS paper, 4) JIMMS paper. Chris Lynch (editor of SMS) commented this could be arranged so long as there is no double submission. JIMMS was not available for comment. This solution seemed to be agreeable to many but was not voted on. Action for SMASIS 2020 organizers to coordinate w/ SMS and JIMMS.

Frustrations were aired about the low incentive for students to submit conference papers with the increasing asme journal publication requirements.

8. Update on SMASIS student competitions – see slides

8.1. Best Student Paper update (Giovanni Berselli and Amin Bibo)

8.2. Best Student Hardware update (Amin Bibo and Giovanni Berselli)

9. Report on SPIE Smart Structures/NDE conference (Zoubeida Ounaies) – see slides

9.1. 2019 Symposium Chairs: Zoubeida Ounaies and Hoon Sohn

9.2. Report on Specific Conferences at SPIE as needed

9.3. Planning for 2020 Conference

10. Report on AIAA/ASME/AHS Adaptive Structures Conference (at SciTech) (Darren Hartl) – see slides

11. Report on International Conference on Adaptive Structures & Technology (ICAST) (Ramin Sedaghati and Yong Chen)

see slides

ICAST 2020 will be in Italy, 2021 has a short list of potential sites in Asia, 2022 should be in north America

There was a call/request for assistance in encouraging new/young volunteers to help with ICAST

12. Honorary Subcommittee (Gary Seidel)

12.1. ASME Adaptive Structures and Material Systems Prize (Presented by: Ralph Smith, Awardee: Nancy Johnson)

Ralph Smith would like to get nominations by the end of the calendar year

12.2. Gary Anderson Award (Presented by: Gary Seidel): Ryan Harne is the 2019 awardee and will receive award at the banquet

12.3. ASMS Best Paper Awards

12.3.1. Structures and Structural Dynamics (Presented by: Gary Seidel) – see slides

12.3.2. Mechanics and Materials System (Presented by: Gary Seidel) – see slides

MMS only had 7 papers submitted for each award, please nominate papers, nomination call will come near end of year, please send nominations to Mike Philen

12.3.3. Ephraim Garcia Best Paper Award (Presented by: Mohammad Elahinia) – see slide

12.4. TC Best Paper Awards – see slides

12.4.1. Energy Harvesting (Presented by: Ryan Harne/Steve Anton)

12.4.2. Adaptive Systems Dynamics and Controls (Presented by: Rocco Vertechy/Manuel Collet)

12.4.3. Ephraim Garcia Award

12.5. ASME Fellow Nominations and New Fellows (Marcelo Dapino)

see slides

ACTION ALL – send nominations

Regarding submissions: be careful about lapses in membership, nominees are required to have 10 years. Query asme or Marcelo if you are unsure of how many years you have. We have a high success rate using letters of recommendation from current fellows. Please contact Marcelo about new nominations. He suggests 10 pages or less for CV.

The new record for procrastination: nomination submitted to Marcelo 2 days before deadline, please don't do this.

13. Other Branch business (Darren Hartl)

14. Branch web site (<http://asms-tc.org>) report (Onur Bilgen)

ACTION: please check website for accuracy for awards, fellowship, membership, etc. and report errors to Onur. Let Onur know of any awards you'd like included and send any pictures of the conference as well

A question was raised if we should drop one of the two websites (-TC and -branch). We currently use – TC. We do not have stats on usage for either website. A motion for Onur to look into new more generic website addresses as well as other website enhancements was passed. (**ACTION ONUR**)

14.1. ASME Website status update:

14.1.1. Members/officers list updated

14.1.2. SMASIS 2018 Agenda uploaded

15. Discussion of leadership ascendancy (Gary Seidel)

15.1. Ascension of Branch Chair: Gary Seidel

15.2. Ascension of Branch Co-Chair: Michael Philen

15.3. Call for nominations for Branch Treasurer

Lucy Lu was the only nomination.

15.4. Vote on Branch Treasurer – Lucy voted as Treasurer.

15.5. Appointment of new Branch Secretary – Rich Beblo appointed as branch secretary

16. New Business

Toyota Programmable Systems Innovation Fellowship introduced (see slides)

Branch bylaws update will be done by next SMASIS (**ACTION DARREN HARTL**)

17. Nomination of new Branch members (Gary Seidel)
 - 17.1. Call for nominations
see slides
ACTION ALL: A discussion followed about nominating new members that will not be present at SPIE. The rules state that nominators must be present for nomination. A motion was raised and passed to waive this requirement for SPIE 2020 to allow membership in absentia to correct ASME/branch/TC membership inconsistencies. All other nomination rules/process apply.
 - 17.2. Review of nomination slide(s)
 - 17.3. Vote on new members – **all nominations approved**
18. Nominations for representative at division from branch which will fill hole from ascending vice-chair:
branch voted to appoint Darren Hartl
19. Adjourn