

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

Meeting at SPIE 2018  
Denver, CO

Tuesday, March 6, 2018 from 7:00-9:00pm in the Silverton Salon 1

AGENDA

1. Attendance and acknowledgment of visitors (Branch Chair: Cornel Ciocanel)
  - Meeting started at 7:16 pm
  - “Attendance sheet being passed around.”
  - Introductions.
  
2. Review and acceptance of SMASIS 2017 meeting minutes (Branch Chair: Cornel Ciocanel)
  - Diann: ICAST is listed with the wrong year 2018. This will be corrected.
  - Meeting minutes accepted.
  
3. Membership Report (Branch Secretary: Michael Philen – over Skype)
  - 3.1. Circulation of roster for updating
  - 3.2. Breakdown of membership
  
4. Treasury Report (Branch Treasurer: Gary Seidel – over Skype)
  - 4.1. Status update
    - Cornel: We usually propose budget before SMASIS
    - Janet is evaluating and sending to ASME for approval.
    - Diann: I thought timing was right now, needs to go in now. Have to put it in my May. All through Gary within a month.
  
5. Update on Aerospace Division by Aerospace Division Executive Committee Chair (Zoubeida Ounaies)
  - Zoubeida : Ralph Smith will ascend to chair. ASMS Branch is under Division, with 6 active TC’s. Janet Sater – treasurer for many years. Oliver, Billy, Cornel are 3 representatives. Another branch, Aerospace Systems Branch with some of our members on that community. Division remains robust with many members.
  - Janet would like budget by May. Janet would like to hear from Treasurer . TCs need to communicate with Treasurer within this month. Janet is only person that can put entire budget request to ASME.
  - Need in help updating membership and rosters within ASME. ASME only recognizes membership roster from TCs. TCs work with Diann to update membership rosters. Membership dues and part of dues go to Aerospace Division. Should be updating 1 to 2 weeks before SPIE.
  - Leadership summit at SMASIS – training led by Diann. Discussion about bylaws for running SMASIS, Branch – Diann has agreed to run again at SMASIS 2018.
  - Diann: She is currently taking input on what to see in it and what would be useful. Want to make most value for the attendees.
  
6. Branch representative for the Aerospace Division Executive Committee (Cornel Ciocanel)
  
7. Status of Branch’s Technical Committees (Branch Vice Chair: Darren Hartl)
  - Darren: Trying to work out how Branch and TCs communicate. If correction, now is time to enter it.

- 7.1. Active Materials and/or Multifunctional Materials (Chair: Jayasimha Atulasimha and co-Chair: Gary Seidel)
- Atul is stepping down and Gary is going to be chair. Cornel is going to be co-chair.
- 7.2. Adaptive Systems Dynamics and Controls (Chair: Rocco Vertechy and co-Chair: Manuel Collet)
- Manuel Collet will ascend to Chair and Julianna Able is ascending to co-chair.
- 7.3. Structural Health Monitoring (Chair: Ya Wang and co-Chair: Haeyoung Noh)
- Ya Wang is chair Dan Cole is co-chair.
- 7.4. Active Material Technology and Integrated Systems (Chair: Chai Hutapea and co-Chair: Onur Bilgen)
- No one is present
- 7.5. Bio-inspired Structures and Systems (Chair: Aimy Wissa and co-Chair: Eric Freeman)
- No one is present
  - From Aimy:
    - We are starting a TC newsletter to share TC events, TC members news and encourage others to join the TC
    - We are starting to prepare for a journal special issue to follow SMASIS 2018
    - We agreed to use the \$500 TC budget for two awards (1. A Journal Publication in a relevant field (Published 6/17-6/18) and 2. An In-Symposium Paper/Presentation award. The latter is designed to encourage submissions from people who would be ineligible for the student best paper award.)
    - We need to craft/edit the Bylaws for our TC
    - Symp 6 of SMASIS 2018 received 29 submissions (an increase of 3 submissions compared to last year)
- 7.6. Energy Harvesting (Chair: Ryan Harne and co-Chair: Steve Anton)
- Lei Zuo will be Secretary, Amin Karami Co-Chair, and Steve Anton Chair. First year to be supported by branch for best paper awards.
8. Updates on TC Awards (Cornel Ciocanel)
- Cornel: Awaiting to hear on approval for elevation of award to ASME. Sooner is better as Janet said funding is getting tight. Robust and timeline for getting award. Janet says significant time between announcement and receiving award.
  - Diann: When we went to OneASME, we encouraged \$500 TC awards. Each TC has given out a \$500 paper award. This will make it difficult for ASME to discontinue awards if historical records for giving out awards is for 7 years. It is up to us to provide commonality within TCs for types of paper awards, e.g. journals, conference. Can add topics to leadership summit, maybe ½ working meeting for coming to a common ground on commonality of TC awards.
  - Cornel: This will be addressed at leadership conference at SMASIS.
9. Update on SPIE Best Student Paper competition (Darren Hartl and Cornel Ciocanel)
- Darren: 2 finalists could not travel. 4 competed – 3 from national labs and 1 from academia. Good engagement from the judges.
10. Report on SMASIS conference (Ken Loh and Billy Oates)
- 10.1. Summary of SMASIS 2017
- Billy: Thanks to Ken and symposium chairs. Close to numbers from last year.
- 10.2. Discussion of plans for SMASIS 2018—San Antonio, TX
- Billy: San Antonio TX. Near river walk downtown. Grand Hyatt. Reception at Alamo. Abstracts due March 21<sup>st</sup>. Want 1 invited talk per symposium per day.
11. Report on SPIE Smart Structures/NDE conference (Zoubeida Ounaies)
- Z: Historical SPIE would have 2 chairs, rotation happens every 2 years. We're locked into this hotel for 2 years and 3<sup>rd</sup> year is optional.

- 11.1. 2017 – Symposium Chairs: Tribikram Kundu and Greg Reich; Symposium Co-Chairs: Zoubeida Ounaies and Hoon Sohn
- 11.2. Report on Specific Conferences at SPIE
  - 11.2.1. Active and Passive Smart Structures and Integrated Systems (Chair: Alper E Turk co-Chair: Jae-Hung Han)
  - 11.2.2. Behavior and Mechanics of Multifunctional Materials and Composites (Chair: Hani Naguib, co-Chair: Nakhiah Goulbourne)
  - 11.2.3. Nano-, Bio-, Info-Tech Sensors and 3D Systems (Chair: Varadan co-Chairs: Khosla/Furukawa/Kim/Song/Choi/Roh)
  - 11.2.4. Nondestructive Characterization and Monitoring of Advanced Materials, Aerospace, Civil Infrastructure, and Transportation (Chair: Shull co-Chairs: Gyekenyesi/Yu/Wu)
  - 11.2.5. Health Monitoring of Structural and Biological Systems (Chair: Kundu co-Chair: Fromme)
  - 11.2.6. Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems (Chair: Hoon Sohn, co-Chairs: Jerome Lynch and Kon-Well Wang)
  - 11.2.7. Smart Materials and Nondestructive Evaluation for Energy Systems (Chair: Theodore Matikas, co-Chair: Cara Peters, Norbert Meyendorf, Chris Niezrecki)
  - 11.2.8. Smart Structures and NDE for Industry 4.0 (Chair: Norbert Meyendorf co-Chair: Clingman)
12. Report on AIAA/ASME/AHS Adaptive Structures Conference (Darren Hartl)
  - 12.1. 2018 - January 8-12, Kissimmee, FL
  - 12.2. 2019 – January 7-11, San Diego, CA
    - Darren: Great conference. Industry and government participation was good. 6 total sessions with the special one. Good paper review system.
13. Report on International Conference on Adaptive Structures & Technology (ICAST) (Nam Seo GOO)
  - 13.1. 2018 – October 3-5, 2017, Cracow, Poland.
  - 13.2. 2019 – September 30 - October 4, 2018, Konkuk University, Seoul, Republic of Korea.
    - Nam Seo: Conference is Seoul this year. Preparing this conference. Abstract due at end of April. Preliminary speaker is Dan Inman (?). 2019 held in Canada. There is a typo in dates above. 2018 is Korea and 2019 is Canada. Canada said Oct. 7<sup>th</sup> to 9<sup>th</sup> is best date. Concerns with date conflicts with SMASIS. Nam Seo will look into dates and conflicts.
14. Honorific Subcommittee
  - 14.1. ASME Adaptive Structures and Material Systems Prize (Ralph Smith)
    - Ralph: 7 nominees. Can't say anything right now.
  - 14.2. ASMS Best Paper Awards
    - 14.2.1. Structures and Structural Dynamics (Report by Wei Hsin Liao)
      - 6 nominees.
    - 14.2.2. Materials and Material Systems (Report by Nakhiah Goulbourne)
    - 14.2.3. Gary Anderson Award (Darren Hartl)
      - Darren: Very good nominees. Andres Arrieta receives award.
    - 14.2.4. Ephraim Garcia Best Paper Award (Mohammad Elahinia)
      - Diann: Want to elevate. Talked to Janet about setting up site fund to fund it and sustain it. Want to make it an emerging technologies award. Motion to make it a branch award.
      - Chris: Question whether to both make it an endowment and setting up donations.
      - Diann: Want to make it a long term award. Finding people right now for short term to donate. Long term finding endowment. Janet will set up account for Ephraim Garcia award.
      - Chris: Motion to support for mechanism to support the award. Approved.
    - 14.2.5. ASME Fellow Nominations and New Fellows (Marcelo Dapino)
      - Marcelo: Gives overview on helping one become a nominee.
      - Newest member Billy Oates
    - 14.2.6. SPIE Smart Structures Lifetime Achievement Award (Zoubeida Ounaies)
      - Z: Left out SPIE fellow in agenda.

- Norm: SPIE Fellow overview. Reference letters should be from SPIE fellows. Kara Peters is recent fellow. Congratulations Kara. (Did not get next fellow's name)
- Z: Dr. Wei-Hsin Liao won lifetime achievement award.

15. Branch web site report (Onur Bilgen)

- Concerns for funding of the website/domain.
- Cornel: Investigate alternative hosting services. Motion approved.

15.1. ASME Website status update:

- 15.1.1. Missing (older) minutes uploaded
- 15.1.2. Members/officers list updated
- 15.1.3. SMASIS 2018 Agenda uploaded

15.2. Website/domain/YouTube report for the Meeting at SPIE:

- Onur has not received content for YouTube Channel. Cornel will send email to increase visibility.

16. Nomination of new Branch members (Chair: Cornel Ciocanel)

- 16.1. Carlos De Marqui Junior – University of Sao Paulo, Brasil
- 16.2. Shahrzad (Sherry) Towfighian – Suny Binghamton
- 16.3. Wen-Jong Wu – National Taiwan University

- Cornel: 9 nominees for members
- \$282 collected for domain.
- Skype connection lost.
- All were approved.
- Meeting adjourned at 21:14 pm.

17. Adjourn