

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

Meeting at SMASIS 2015
Colorado Springs, CO
Monday, Sept 21, 7:30pm, Colorado Room

AGENDA

1. Attendance and acknowledgment of visitors (William Oates)
Billy invited everybody to introduce themselves
2. Review and acceptance of SPIE 2015 meeting minutes (William Oates)
 - 2.1. Minutes have been approved
3. Membership Report (Cornel Ciocanel)
 - 3.1. Attendance sheets have been circulated with the request that everybody updated TC membership affiliation as well. Billy commented on the importance of everybody to update their information on the roaster.
 - 3.2. Membership updates still needed
 - 3.2.1. 140 Members
 - 3.2.2. 37 Friends
 - 3.2.3. 128 Academic Affiliation
 - 3.2.4. 32 Industrial Affiliation
 - 3.2.5. 17 Government Affiliation
4. Treasury Report (Oliver Myers)
 - 4.1. Status and update
FY15 year-end balance - \$2190.83
 - 4.2. ASME Aero Division and coordination with Branch
Acknowledgement of donors for 2015 (Kara Peters, Wei-Hsin Liao , Nakhiah Goulbourne, William Oates)
5. Update on Aerospace Division by Aerospace Division Executive Committee Chair (Nancy Johnson)
Nancy recognized Norm Wereley who served as the chair of the aerodivision, He was presented with a plaque for his service over the years.
Ralph Smith and Mike Philen were recognized for the service and for putting together this year's SMASIS.
At the executive committee meeting there were talks about the subdivision becoming a division; these discussions will continue.
Reviewed awards, and put a request to ASME to endow the awards to avoid yearly request for them.
Some discrepancies were noticed in the budget and they are working toward reconciling those differences.
 - 5.1. Update on the SPIE2015 decision to roll out the ASMS Branch into an independent Division within ASME

Henry Sodano – TC on active and multifunctional – no significant changes. Try to recruit more papers. Try to identify funds for student paper awards, and travel awards for attending Symps 1 and 2

Jeong-Hoi Koo (Miami University, koo@miamioh.edu) is the chair of the Adaptive systems dynamics and control TC; James Gibert (Purdue University, jgibert@purdue.edu) Co-Chair, and Rocco Vertechy (University of Bologna, rocco.vertechy@unibo.it) is Secretary.

Structural Health monitoring – Lucy and Andrew, no secretary position. They are seeking nominations.

20 papers this year on the symposium. TC to pursue funding opportunities for additional activities at SMASIS.

Active material technology – Philip Evans – Chair (not present), Co-Chairs – not known. A small ad-hoc TC meeting was held by 5 or 6 members.

Bio-inspired structures – Vishnubaba Sundaresan acting TC chair. Symp 6 – 26 papers this year. 4 less than last year. Increasing the membership in the TC. Last year funds they requested funds for a symposium best paper award and they hope to have the funding for next year.

Energy harvesting – Chair: Adam Wickenheiser (amwick@gwu.edu; The George Washington University); Vice-Chair: Matthew Bryant (mbryant@ncsu.edu; North Carolina State University); Secretary: Ryan L. Harne (harne.3@osu.edu; The Ohio State University). First annual best paper award, sponsored by SMS and JIMMS. Special issue on JIMMS coming up on a few months.

The requests for funds for best paper awards were approved last year. Norm Wereley said that each symposium can do a \$500 paper award. Billy recommended to coordinate with the co-chair of the branch to move forward on these awards.

6. Status of Branch's Technical Committees (William Oates)
 - 1.1. Active Materials and/or Multifunctional Materials (Chair: Henry Sodano and co-Chair: William Oates, Gary Seidel)
 - 1.2. Adaptive Systems Dynamics and Controls (Chair: Eugenio Dragoni and co-Chair: Jeong-hoi Koo)
 - 1.3. Structural Health Monitoring (Chair: Kenneth J Loh and co-Chair: Andrew Swartz)
 - 1.4. Active Material Technology and Integrated Systems (Chair: Phillip Evans and co-Chair: Chai Hutapea)
 - 1.5. Bio-inspired Structures and Systems (Chair: Andrew Sarles and co-Chair Pablo Tarazaga)
 - 1.6. Energy Harvesting (Chair: Adam Wickenheiser and co-Chair: Matthew Bryant)
7. Update on SMASIS Best Student Paper competition (Kiefer Bjoern, Heidi Feigenbaum and Lingyu Yu)

Heidi gave the update: received 33 papers from 24 different universities, 9 different countries. There were 23 judges. The vast majority of the submitted papers (40%) were from symposium 3. Heidi recommended to encourage students to submit papers to the other symposia.

8. Report on SMASIS 2015 conference (Ralph Smith)
 - 8.1. Updates on SMASIS 2016Mike Philen thanked everyone who helped putting together SMASIS2015. He noted that there were significantly more presentations only than in previous years. 268 papers. 254 registrants. 96 students, 158 regulars.

Summary from SPIE given by Billy:

We voted to cancel SMASIS 2016, but follow-up discussions with ASME yielded the decision to keep the conference within ASME. ASME will make every effort to keep the fees at the same level.

SMASIS 2016 will take place in Stowe, VT. Michael Philen is chair, ?? Technical chair, Ralph Smith is Technical co-chair.

SMASIS2016 will happen a week before ICAST and we want to keep it like this. Several activities are planned, including rock climbing for students and high school students outreach with a STEM school.

Volunteers are needed for judging papers, organizing sessions, etc.

Henry Sodano asked if the draft paper is not an option for SMASIS 2016. Michael says is going to be, but they are revisiting the due dates. A larger separation between abstract and draft paper is suggested by Henry. Norm Wereley is concerned that the due dates are coinciding with final exams. Maybe the dates can be pushed back to June to give students time to work on their papers.

9. Report on SPIE 2015 Smart Structures/NDE conference (Chris Lynch and Victor Giurgiutiu)
Chris Lynch doesn't have any updates.
 - 1.1. Report on Specific Conferences at SPIE
 - 1.1.1. Active and Passive Smart Structures and Integrated Systems VII (Henry Sodano)
Ku Hai is chair and Alpert Erturk is co-chair. They ask for 2 page abstracts to better judge which paper goes forward.
 - 1.1.2. Behavior and Mechanics of Multifunctional Materials and Composites VII (Nakhiah Goulbourne)
No report given as Nakhiah is not present
 - 1.1.3. Industrial and Commercial Applications of Smart Structures Technologies VII (Kevin Farinholt)
No report given as Kevin is not present
 - 1.1.4. Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems (Jerome Lynch)
No report given as Jerome is not present
10. Report on AIAA/ASME/AHS Adaptive Structures Conference (David F. Voracek)
Norm Wereley didn't have any comment on this conference. Next meeting is in SAN Diego (according to Billy)
 - 1.1. 2015- 5 – 9 January 2015, Gaylord Palms and Convention Center, Kissimmee, FL
 - 1.2. 2016 – 4-8 January, San Diego, CA, Manchester Grand Hyatt
11. Report on International Conference on Adaptive Structures & Technology (ICAST)
 - 11.1. Meeting planned in Kobe, Japan
No report on ICAST
12. Honorific Subcommittee
 - 10.1 ASME Adaptive Structures and Material Systems Prize (Norman Wereley)
Is elevated to a society award and is presented as SMASIS. This year is Bok Choi (S. Korea). He will give a plenary presentation tomorrow.
 - 10.2 ASMS Best Paper Awards (Mohammed Daqaq)
 - 10.2.1 Structures and Structural Dynamics – Billy gives the update. Will be awarded on Wednesday – Yeshwanth Tummala, Mary Freker, etc
 - 10.2.2 Materials and Material Systems
Saad Ahmed, Zoubeida Ounaies and Mary Frecker
 - 10.3 Ephraim Garcia Best Paper Award (Mohammed Daqaq)
Stephen Daynes et al.
 - 10.4 Gary Anderson Award (Mohammed Daqaq)
Alpert Erturk – great bio
 - 10.5 ASME Fellow Nominations (Marcelo Dapino)
Good year; Janet Saver received the award; One case in the works. Nominations can come from the institution. Mohammad Elahinia received the ASME fellow, he was nominated by VT; one more person which I didn't get the name of; James Hallow was also elevated at Fellow status
For 10 year or more membership we want to nominate people. Cornel to report to Marcelo who meets these condition.
 - 10.6 SPIE Smart Structures Lifetime Achievement Award (Jay Kudva)

This went to Greg Caraman UCLA.

13. AIAA Business (Norm Wereley)
Nothing to report
14. AIAA/ASME joint newsletter (William Oates)
Need volunteers to help with this
15. Branch web site report
 - 1.1. Web site report and updates (Onur Bilgen)
Website is great. A little section on Dr. Garcia to be moved in the members section. Dr. Garcia's award to be kept on the main page
 - 1.2. LinkedIn group and Twitter (Barbar Akle)
No updates
 - 1.3. Facebook page (LeAnn Faidley)
No updates
16. Ascension of Branch Chair (William Oates)
Billy is stepping down. He is passing the responsibility to Oliver who chairs the rest of the meeting.
17. Ascension of Branch Co-Chair - Mohammed Daqaq
18. Ascension of Branch Treasurer (Oliver Myers)
Vote on Branch Treasurer (Oliver Myers). Requests nominations from body. Cornel Ciocanel was nominated. Motion to close nomination.
Cornel Ciocanel was voted to become branch treasurer.
19. Darren Hartl was appointed secretary.
20. Nomination of new Branch members (Mohammad Daqaq) – put a folder together

Gary Seidel from VT – he is chair and co-chair of a symp. Nominated by Michael Phelp.
Assoc. Professor at VT
Eric Freeman – Univ of Georgia – see the attached CV nominated by Michael Phelp
Matthew Bryant – NC State Univ – nominated by Billy Oates and Kara Peters.
Richard Beblo – nominated by Darren Hartl.
Juliana Abel – nominated by Henry Sodano
Rocco Vertchy – nominated by Eugenio Dragoni a CV was sent to Billy – ask him for it for the records.
Motion to accept all nominees in block. All were accepted.
21. Adjourn
22. Motion to adjourn by Oliver at 8:40.