

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

Meeting at SMASIS 2017
Snowbird, UT
9/18/2017, 7:30-10pm Ballroom 2&3

Members Attending:

Friends Attending:

AGENDA

1. Attendance and acknowledgment of visitors (Oliver Myers)
Oliver Started meeting 7:35
Introductions-Members Friends
2. Review and acceptance of SPIE 2017 meeting minutes (Oliver Myers)
Motion to approve: Henry Sodano; Seconded; Carried unanimously
3. Membership Report (Gary Seidel)
 - 3.1. Circulation of roster for updating: circulated
 - 3.2. Current membership statistics: 93 Members (82 Acad, 10 Indust, 5 Govt), 115 Friends (76 Acad, 19 Indust, 16 Govt).
 - 3.3. TC leadership and membership updates still needed
Please send to Gary Seidel
Diann- Important that branch membership and TC membership are clear and compatible; if not in branch records then doesn't exist in ASME
4. Treasury Report (Darren Hartl)
 - 4.1. Status and update: Deferred to division treasurer (Janet Sater); aero division 180k; end of fiscal year to july 30 so may be more; estimated spend plan was 41k; once the money is gone it is gone; difficult to get more money from ASME; half of the money is spent on meetings; food av etc; awards is only 13k; so need to think carefully about meeting fees

Darren Hartl question: no longer a branch budget; do we need a treasurer; Diann Brei – the one asme is going through changes to send money back in; be patient for a year or two; will still need a treasurer to be sole source to pass information to division
 - 4.2. Acknowledgement of donors for SMASIS 2017 (no report)
5. Update on Aerospace Division by Aerospace Division Executive Committee Chair (Zoubeida Ounaies)

See Attached slides: [Aero Div Report for ASMS minutes.pptx](#)

General committee: headed by Diann Brei, Chris Lynch, Olesya Zhupanska and others.

- 5.1. Acknowledge election of Cornel Ciocanel to serve as branch representative to executive committee.

ASME renewal select aerospace division; correction from Janet; to be a branch member must be a division member.

Leadership summit: TC's and branch leadership were target audience 24 attendees 3 hrs training; Diann Brei sustainability suggested that it should be done every year; Diann doing

for the next two years; need to clean up membership awards and archives

Q: What about members who are current members but not members; but have mass election to move forward; branch roster updating with TC.

6. Status of Branch's Technical Committees (Cornel Ciocanel)
 - 6.1. Active Materials and/or Multifunctional Materials (Chair: Jayasimha Atulasimha and co-Chair: Gary Seidel, Darren secretary)
Atul send summary of 2016 and 2017; down overall (Symp 1 26 accepted (down from 32), Symp 2 23 accepted (down from 40), total 49 down from 75; SMAs holding steady all other sessions one session only); should the symposium change or merge Symp 1 and 2; switch leadership at SPIE.
 - 6.2. Adaptive Systems Dynamics and Controls (Chair: Rocco Vertechy and co-Chair Manuel Collet; Juliana Abel secretary of TC)
Rocco: 65 abstracts received; 44 full paper sub; 40 approved; 6 pres only
 - 6.3. Structural Health Monitoring (Chair: Donghyeon Ryu and co-Chair: Ya Wang secretary ??)
23 papers received (1 poster, 2 invited speaker, 20 presentation), 13 full papers; typically have lower paper numbers for odd years; Ryu: 1 minute presentation; Ya would like to expand so symposium advertised; audience liked; preview of symposium
 - 6.4. Active Material Technology and Integrated Systems (Chair: Chai Hutapea and co-Chair: Onur Bilgen)
Onur: 22 full 5 pres; homogenization of TC bylaws; awards protocol
 - 6.5. Bio-inspired Structures and Systems (Chair: Pablo Tarazaga and co-Chairs: Eric Freeman, Aimy Wissa, Andy Sarles will become sec)
Eric: 30 abstracts accepted, 17 full papers, would also like to do the 1 minute summary;
 - 6.6. Energy Harvesting (Chair: Ryan Harne and co-Chair: Steve Anton, sec Amin Karami)
Ryan: 29 and 27 accepted 19 full papers, 2 invited speakers; 3rd year of energy harvesting best paper award
7. Update on SMASIS Best Student Paper competition (Lingyu "Lucy" Yu, Mostafa Nouh, Julianna Abel)
Mostafa: 35 submissions +2; 21 judges offsite; 6 finalists; 5 judges; held session today and have winner to announce tomorrow at banquet; need judges so ask TCs for judges 3 each with one who will attend to judge
Juliana: 5 hardware today; have videos; painting event; networking event; game night after the banquet; trivia at lunch on Wednesday.

8. Report on SMASIS 2017 conference (Ken Loh)

See Attached Slides: [2017-09-18 SMASIS 2017 Summary for ASMS Branch Meeting \(Loh\).pptx](#)

- 8.1. Summary on SMASIS 2017.
Thanks to support of Symposia Chairs, co-Chairs and ASME staff; New symposium: Symposium X; 269 submitted, 238 accepted (155 papers, 65 presentations, 19 invited and 9 posters), 221 registrants; Trending down since 2012 from 298 accepted.

- 8.2. Updates on SMASIS 2018.
 3 cities considered; San Antonio selected; 10 year anniversary
 See Attached slides: [2017-09-22 SMASIS info ASMS branch meeting WSO v2.pptx](#)
 See Attached flier: [Conference Flyer SMASIS 2018 - 2018-01-10a.pdf](#)
9. Report on SPIE 2017 Smart Structures/NDE conference (Jay Kudva, Greg Reich)
- See Attached Slides: [SPIE SSNDE 2017 Strategy Report summary short.pdf](#)
- 9.1. Report on Specific Conferences at SPIE
- 9.1.1. Active and Passive Smart Structures and Integrated Systems VII (Chair: Gyuhae Park
 co-Chair: Alper Erturk)
 Alper updated: ~120 abstracts submitted.
- 9.1.2. Behavior and Mechanics of Multifunctional Materials and Composites VII (Chair:
 Nakhiah Goulbourne, co-Chair: Hani Naguib):
 Hani updated: 55 abstracts submitted; submission window closing in a few days.
- 9.1.3. Industrial and Commercial Applications of Smart Structures Technologies VII (Chair:
 Steven Griffin, co-Chair: Alan L. Browne)
 Janet: names are wrong; Industry 4.0; Dan Klingman from Boeing may be chair
- 9.1.4. Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace
 Systems (Chair Jerome Lynch, co-Chairs: Kon-Well Wang and Hoon Sohn)
10. Report on AIAA/ASME/AHS Adaptive Structures Conference (Ed White)
- See Attached Slides: [AIAA ASC Report at SMASIS Sept 2017.pptx](#)
- 10.1. 2017 - January 9-13, 2017, Gaylord Texan, Grapevine, TX
 10.2. 2018 - January 8-12, 2018, Gaylord Palms, Kissimmee, FL
11. Report on International Conference on Adaptive Structures & Technology (ICAST) (Farhan Gandhi)
- See Attached Slides: [ICAST Report at SMASIS Sept 2017.pptx](#)
- 11.1. Next meeting (2017) the 28th (Poland) October 8-11 and 29th meeting (2018, Seoul, Korea,
 NamSeo Goo/JaeHung Han)
12. Honorific Subcommittee
- 12.1. ASME Adaptive Structures and Material Systems Prize (Norman Wereley)
 Norm: last year as chair of committee; doing for 5 years; Marcelo Dapino this years winner;
 Ralph Smith taking over; nominations due oct 1 for next round
- 12.2. ASMS Best Paper Awards (Cornel Ciocanel)
 Awards were announced at SPIE and posted/mentioned in the program (see program)
- 12.2.1. Structures and Structural Dynamics (name wrong; Cornel explained)
 Ryan L Harne and Danielle T Lynd, "Origami acoustics: using principles of folding
 structural acoustics for simple and large focusing of sound energy," Smart Materials and
 Structures, 25 (2016) 085031
- 12.2.2. Materials and Material Systems
 Bodaghi, M ., Damanpack, A R. and Liao, W H. "Self-expanding/shrinking structures
 by 4D Printing" Smart Mater. Struct. 25 (2016) 105034 (Typo, but Cornel explained)
- 12.3. Ephraim Garcia Best Paper Award (Oliver Myers)
 Walker et al, "Process development and characterization of additively manufactured nickel-
 titanium shape memory parts." Journal of Intelligent Material Systems and Structures 27.19
 (2016): 2653-2660

- 12.4. Gary Anderson Award (Oliver Myers)
Awarded to Andy Sarles.
- 12.5. ASME Fellow Nominations (Marcelo Dapino)
Summarized the requirements and strategies; 4 times a year
One case this round from ASME: Gyuhae Park
- 12.6. SPIE Fellow Nominations (Chris Lynch)
Norm: deadline sept 15; do have a couple of nominations that were put in; will announce again at spie; have to be spie member for a number of years; contact Norm or Chris
- 12.7. SPIE Smart Structures Lifetime Achievement Award. (Jay Kudva)
Awarded to Ralph Smith
- 13. Bylaws Updates
Foregoing discussion as a result of interactions at the leadership training
- 14. AIAA Business (Farhan Gandhi)
No other update
- 15. Branch web site report
 - 15.1. Web site report and updates (Onur Bilgen)
 - 15.1.1. Asms-tc.org

Send Onur link not video to get asme

Henry; asme web has no leadership listed; Oleysa asked them to update but it still has not happened.
 - 15.2. LinkedIn group and Twitter (Barbar Akle)
No response from Barbar;
 - 15.3. Facebook page (LeAnn Faidley)
No response from LeAnn
Henry what is facebook?
Gone based on ZO suggesting to make an executive decision
- 16. Ascension of Branch Chair (Oliver Myers)
Leadership change over; Cornel becomes Chair
- 17. Ascension of Branch Co-Chair (Cornel Ciocanel)
Cornel ascends to chair; Darren ascends to Co-Chair
- 18. Ascension of Branch Treasurer (Cornel Ciocanel)
ZO: Nominates Gary Seidel; no other nominations. Second by Diann Brei. Cornell calls the vote.
Vote passes unanimously
- 19. Nomination of new Branch members (Cornel Ciocanel)
Call for nominations.
Review of nomination slide(s).
 - 19.1. Giovanni Berselli - University of Genova (Nominator Bjoern Kiefer)
 - 19.2. Jared Dale Hobeck - Kansas State University (Nominator Henry Sodano)

19.3. Theocharis Baxevanis – University of Houston (Nominator Darren Hartl)

Block vote; motion to approve as a block DB; OM 2nds; passes unanimously

Moved to reinstate Janet Sater as a branch member; DB moved; seconds; passes unanimously

20. Adjourn

HS motions; ZO 2nds