

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

Meeting at SMASIS 2014
Newport, Rhode Island
Monday, September 8, 2014 from 7:00-10:00pm in Salon I/II

AGENDA

1. Attendance and acknowledgment of visitors (Mohammad Elahinia)
 - 1.1. M. Elahinia called meeting to order @ 19:37
2. Review and acceptance of SPIE 2014 meeting minutes (Mohammad Elahinia)
 - 2.1. Motion by K. Cunefare, second by M. Daqaq
 - 2.2. Minutes approved unanimously
3. Membership Report (Oliver Myers)
 - 1.1. Circulation of roster for updating
 - 1.2. Breakdown of memberships per categories:
 - 1.2.1. 139 Members
 - 1.2.2. 33 Friends
 - 1.2.3. 128 Academy
 - 1.2.4. 27 Industry/Industrial Laboratories
 - 1.2.5. 17 Government Laboratories
 - 1.3. Diann Brei requests for TC Chairs/Co-chairs take role to account for TC members that are not present the TC meetings
 - 1.4. Procedure for new members to become part of the Branch (M. Elahinia)
 - 1.4.1. Brief/update TC chairs/co-chairs
 - 1.4.2. Serve as session chairs/co-chairs, paper judges, presenters, etc
 - 1.4.3. Nominees/nominators should be present
 - 1.4.4. Track record of ASMS activity
4. Treasury Report (Mohammed Daqaq)
 - 1.1. Status and update (See Attached Budget)
5. Update on Aerospace Division by Aerospace Division Executive Committee Chair (Diann Brei)
 - 1.1. Update on changes at the ASME level
 - 1.1.1. Branch needs to have 2 places on Aero. Div. filled. Currently filled by Norm Wereley & Nancy Johnson
 - 1.1.2. Mary Frecker will roll out at SMASIS
 - 1.1.3. See attached presentation from D. Brei/M. Elahinia
 - 1.2. Adaptive Structures Prize and Gary Anderson Early Achievement award and elevation to the society level (Mary Frecker)
 - 1.2.1. See attached presentation from D. Brei
 - 1.2.2. 2 proposals from Aero Div. have been reviewed by Awards committee. The Adaptive Structures Prize was renamed ASME Adaptive Structures and Materials Systems Award.
 - 1.2.2.1. Need to design the medal and determine cost and who will pay
6. Status of Branch's Technical Committees (William Oates)
 - 6.1. Billy thanks the TCs for the work each group is doing
 - 1.1. Active Materials and/or Multifunctional Materials (Chair: Hani E. Naguib and co-Chair: William Oates)

- 1.1.1. Symposium 1 & 2 in SMASIS – engaging new members in technical committee, subcommittees for best paper & training courses @ SMASIS, IMECE; Possible hardware competition; any possible overlap of papers.
- 1.2. Adaptive Systems Dynamics and Controls (Chair: Eugenio Dragoni and co-Chair: Jeong-hoi Koo)
 - 1.2.1. ASME special issue of Journal of Acoustics; proposal for 2 best paper awards for Symposium 3 funded by ASME
 - 1.2.2. Nima Mahmoudi – Proposed symposium 3 organizer for next SMASIS
- 1.3. Structural Health Monitoring (Chair: Kenneth J Loh and co-Chair: Andrew Swartz)
 - 1.3.1. Given by Oliver Myers. SHM short course – 2 day vs. 1 day.
- 1.4. Active Material Technology and Integrated Systems (Chair: Phillip Evans and co-Chair: Chai Hutapea) (Previous Chair: Eric Ruggiero and co-Chair: Ganesh Krishnamoorthy)
 - 1.4.1. Given by Eric – hardware demonstration on 9/9/2014, 5 companies, demonstrations running throughout the day with representatives
- 1.5. Bio-inspired Structures and Systems (Chair: Vishnubaba Sundaresan and co-Chair: Andrew Sarles)
 - 1.5.1. Given by Andy Sarles – growing the TC, solicit attendance for conference, possible special issue with SMS in Fall 2014.
- 1.6. Energy Harvesting (Chair: Adam Wickenheiser and co-Chair: Matthew Bryant)
 - 1.6.1. 18 members, subcommittee for 2015 SMASIS, Energy Harvesting Best Paper Award can be published in any journal. Student best paper for SPIE, travel grants for students.
- 7. Update on SPIE Best Student Paper competition (Constantin Ciocanel and Darren Hartl)
 - 7.1. Given by Constantin
 - 7.1.1. Over 100 submissions
 - 7.1.2. Committee requests help in reviewing papers from new members and visitors
- 8. Report on SMASIS conference (Ralph Smith) – need presentation from M. Elahinia
 - 1.1. 2013/2014 – Conference General Chair: Andrei Zagrai-; Conference Technical Chairs: Michael Philen and Ralph Smith
 - 1.1.1. 277 Papers submitted – down from 2013
 - 1.2. 2015/2016 – September 21-25, 2015 (preferably M-W). will either be held in Denver or Colorado Springs
 - 1.2.1. Papers will be reviewed this year. Earlier deadlines possible
 - 1.2.1.1.A. Zargrai – TCs will be called upon for reviewing papers
 - 1.2.2. Mike Philen is Technical Chair, Tech-Co-Chair (TBD)
 - 1.2.3. Continued Outreach
 - 1.2.4. Volunteers needed for judges, organize sessions, special sessions
 - 1.2.5. Action item for Ralph to talk with ASME regarding paper review policy
- 9. Report on SPIE Smart Structures/NDE conference (Chris Lynch and Victor Giurgiutiu)
 - 1.1. 2015 – Symposium Chairs: Victor Giurgiutiu and Chris Lynch; Symposium Co-Chairs: Jayanth Kudva, Theodoros Marikas
 - 1.1.1. Report on Specific Conferences at SPIE - Given by M. Elahinia
 - 1.1.1.1. Active and Passive Smart Structures and Integrated Systems VII (Henry Sodano)
 - 1.1.1.2. Behavior and Mechanics of Multifunctional Materials and Composites VII (Nakhiah Goulbourne)
 - 1.1.1.3. Industrial and Commercial Applications of Smart Structures Technologies VII (Kevin Farinholt)
 - 1.1.1.4. Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems (Jerome Lynch)
 - 1.1.1.5. Over 700 papers from the above symposia

10. Report on AIAA/ASME/AHS Adaptive Structures Conference (David F. Voracek)
 - 1.1. 2014- January 2014 @ National Harbor in MD - SciTech
 - 1.2. 2015 - 5 – 9 January 2015, Gaylord Palms and Convention Center, Kissimmee, FL
11. Report on International Conference on Adaptive Structures & Technology (ICAST)
 - 1.1. 2014 - The 25th International Conference on Adaptive Structures and Technologies (ICAST 2014) will be held on October 6-8, 2014, in the Mercure Hotel in The Hague, The Netherlands. - Marcias Martinez M.J.Martinez@tudelft.nl or Roeland De Breuker R.DeBreuker@tudelft.nl
 - 1.2. 2015 - TBD
12. Honorific Subcommittee
 - 10.1 ASME Adaptive Structures and Material Systems Prize (Norman Wereley)
Michael Friswell awarded for 2014 and presented at 2014 SMASIS Keynote
 - 10.2 ASMS Best Paper Awards (William Oates)
 - 10.2.1 Structures and Structural Dynamics (Report by Wei Hsin Liao)
Given by B. Oates – award at 9/9/2014 Banquet
 - 10.2.2 Materials and Material Systems (Report by Nakhiah Goulbourne)
Given by B. Oates – award at 9/9/2014 Banquet
 - 10.3 Gary Anderson Award (William Oates)
 - 10.3.1 Recognition of this year’s winner – Mohammad Daqaq – announced at SPIE
 - 10.3.2 Request for new nominations and best paper award
 - 10.4 ASME Fellow Nominations (Marcelo Dapino)
Spreadsheet updated to include ASME professional membership
Criteria: 10 years professional membership, ASME record of service, ASMS is promoting members, Nominated Greg Washington – Awarded June 1, 2014
 - 10.5 SPIE Smart Structures Lifetime Achievement Award.
 - 10.5.1 Jay Kudva is handling the voting process.
 - 10.5.2 Please send him any nominees (jkudva@nextgenaero.com)
13. AIAA Business (Norm Wereley)
 - 13.1. Meeting Wednesday @ lunch to discuss SciTech and the push to increase in papers
14. AIAA/ASME joint newsletter (Diann Brei)
 - 14.1. Diann requests to step down
 - 14.2. Sergio requests to do the graphics, but not the data
 - 14.3. Body thanks Diann for over a decade of service to newsletter
15. Branch web site report
 - 1.1. Web site report and updates (New webmaster: Onur Bilgen)
 - 1.1.1. Asms-tc.org
 - 1.1.2. Requests members to check names, affiliations
 - 1.2. LinkedIn group and Twitter (Barbar Akle) – Asking all members to please review and join
 - 1.3. Facebook page (LeAnn Faidley) – Asking all members to please review and join
16. Ascension of Branch Chair (Mohammad Elahinia)
 - 16.1. William Oates ascends to chair
 - 16.2. Thanks Mohammad for service
17. Ascension of Branch Co-Chair (William Oates)
 - 17.1. Mohammad Daqaq ascends to co-chair
18. Vote on Branch Treasurer (William Oates)
 - 1.1. Requests nominations from body

- 1.2. Oliver Myers is nominated via email
 - 1.3. Motion to close nominations (K. Cunefare)
 - 1.4. Myers ascends to treasurer
19. Appointment of Branch Secretary (William Oates)
- 1.1. Appointed by exec branch
 - 1.2. Constantin Ciocanel agreed to serve as Secretary on September 15, 2014
20. Nomination of new Branch members
- 1.1. Movan Ouisse has been nominated by Manuel Collet and Roger Ohayon
 - 1.2. Nomination moved and seconded
 - 1.3. Visitors asked to leave
 - 1.4. Movan Ouisse unaniously accepted as new ASMS Branch Member
21. Adjourn
- 21.1. Moved to adjourn
 - 21.2. Properly seconded
 - 21.3. Meeting adjourned @ 21:07