

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

Meeting at SMASIS 2013 Snowbird, UT Monday, September 16, 2013 from 7:30-10:00pm in Ballrooms 2&3

Member Atendees: (58)

Adachi, Kazuhiko; Alexander, Paul; Anton, Steven; Asanuma, Hiroshi; Atulasimha, Jayasimha; Bilgen, Onur; Brei, Diann; Browne, Alan; Carman, Greg; Clingman, Dan; Cunefare; Kenneth A.; Daqaq, Mohammed F.; Dragoni, Eugenio; Feigenbaum, Heidi; Flatau, Alison; Frecker; Mary; Freeman, Eric; Gao, Jay; Goulbourne, Nakhiah; Han, JaeHung; Hartl, Darren; Inman, Daniel J.; Johnson, Conor D.; Johnson, Nancy L.; Kiefer, Bjoern; Koo, JeongHoi; Lagoudas, Dimitris C.; Leang, Kam; Leo, Don; Luntz, Jonathan; Lynch, Chris; Mahmoodi, Nima; Marschner, Uwe; Myers, Oliver; Naguib, Hani; Oates, William; Ohayon, Roger; Philen, Michael; Richards W. Lance; Ruggiero, Eric J; Sarles, Andy Seelecke, Stefan; Smith, Ralph; Sodano, Henry; Suhr, Jonghwan; Sundaresan, Vishnu Baba; Tarazaga, Pablo; Turner, Travis; Wang, Gang; Wang, Ya; Wereley, Norman; White, Edward V.; Wickenheiser, Adam; Zagrai, Andrei

Friends Attendees: (12)

Harne, Ryan; Pisani, David; Tummala, Yashwanth; Yu, Lingyu; Bryant, Matthew; Seidel, Gary; Zhou, Debao; Gandhi, Farhan; Tateo, Flaviano; Gallagher, John; Abel, Julianna; Mehrabi, Reza

AGENDA

- 1) Attendance and acknowledgment of visitors (Zoubeida Ounaias)
 - a) Meeting called to order @7:35 pm
 - b) Introductions around the room
- 2) Review and acceptance of SPIE 2013 meeting minutes (Zoubeida Ounaias)
 - a) Ken Cunefare moved to accept, Dan Inman seconded
- 3) Membership Report (Oliver Myers)
 - a) Circulation of roster for updating
 - b) Breakdown of memberships per categories
 - i) 139 Members
 - (1) 113 Academia, 26 Industry, 18 Government
 - ii) 24 Friends
 - 4) Treasury Report (William Oates)
 - a) Balance Status and update - refer to attached spreadsheet
 - i) Diann Brei has a correction to update the finances
 - ii) Acknowledgement of donors/sponsors
 - (1) Norm Wereley
 - (2) Zoubeida Ounaias
 - (3) Nakhiah Goldbourne
 - (4) Henry Sodano
 - iii) Zoubeida Ounaias thanked Billy Oates for his service as treasurer and Nancy Johnson for the meeting/food/drinks
 - 5) ASMS Branch Bylaws (Zoubeida Ounaias)
 - a) Status and update
 - i) Zoubeida reminded members of a potential issue in the election of officers to the executive committee. In the previous two Branch meetings (SMASIS 2012 and SPIE 2013), discussions were brought up regarding putting in a contingency plan to address possible cases where an officer is not able to move up to the next position or leaves before the end of her/his term. This scenario will affect Treasurer and Co-Chair only since Secretary is not in the line of leadership.
 - b) Zoubeida thanked Chris Lynch, Norm Wereley, Diann brei, and Ken Cunufare for input to the write-up of the contingency plan, which needs to be included in the bylaws.

- c) Contingency proposal
 - i) Oliver Myers read the new language stating in case of a vacancy in the branch executive positions, the next lower branch executive would automatically assume the next higher position unless that person respectfully declines. If that case, a vote must be taken by the body to temporarily fill the vacancy until the next regular election.
 - ii) Diann motioned to accept the contingency plan, Dan Inman seconded the motion, motion carried and was approved unanimously.
- 6) Update on Aerospace Division by Aerospace Division Executive Committee Chair (Diann Brei)
 - a) Update (Diann Brei) - slide presentation attached.
 - i) Aerospace division is very healthy with membership
 - ii) Working on strategic plan with a plan to be finalized on 9/18/2013.
 - iii) TCs are in good shape.
 - iv) Aerospace executive committee is looking for members.
 - v) Committee members are required.
 - vi) Aero has \$174K.
 - vii) Branch has \$3402.
 - viii) Made branch aware of ASME extra fees for conferences from various branches.
 - b) Mary Frecker is working to move the adaptive structures prize to the division level
 - c) Report from Communication Office (Sergio Lucato) - given by Diann.
 - d) Newsletter is available by SPIE. Each TC is asked to give a one-page highlight. Waiting for ASME to roll-out branch websites.
 - i) Zoubeida thanked Diann and suggested that the branch consider moving Gary Anderson Award for division endowment.
 - (1) Requests motion.
 - (2) Dan Inman moves, Conner Johnson seconds motion to move the Gary Anderson Award for division endowment. Motion carried and unanimously voted.
- 7) Status of Branch's Technical Committees (Mohammad Elahinia)
 - a) Active Materials and/or Multifunctional Materials (Chair: Travis Turner and co-Chair: Hani Naguib) - Given by Travis Turner - Updated roster, 27 members, 19 in attendance, symposium 1 & 2, ascension plans TC/symposium. Best paper for each symposium and special issues in SMS & JIMSS
 - b) Adaptive Systems Dynamics and Controls (Chair: Mohammad Daqaq and co-Chair: Eugenio Dragoni) - Given by Mohammad - Symposium 3, 49 papers presented, ascension for next SMASIS, by-laws drafted, 10-15 papers for special issue for Journal of Vibration & Acoustics & JIMS
 - c) Structural Health Monitoring (Chair: Oliver Myers and co-Chair: Andrew Swartz) Given by Myers - SHM Syposium, special issue in SHM & JIMMS, Short-course
 - d) Active Material Technology and Integrated Systems (Chair: Eric Ruggiero and co-Chair: Ganesh Krishnamoorthy) - advancing ideas through Technology Readiness Levels, Hardware/Video demonstrations, joint panel discussions on overlap between two or more symposia. Eric requests support for demos from Branch
 - e) Bio-inspired Structures and Systems (Chair: Michael Phalen and co-Chair: Vishnubaba Sundaresan) - Given by Phalen - bylaws discussion, increased enrollment, best paper award, special issue, outreach activities for next smasis
 - f) Energy Harvesting (Chair: Alper Erturk - need co-chair) - Given by Alper, 30 papers in symposium, liaisons in energy harvesting to other communities, SMS special issue, sub-committee for best paper, materials & structures awards, industrial invited talks, website
 - g) Division is open to receive proposals from TC to promote activities. Formalization is in progress - announcement from Zoubeida.

Action item: state what you want the action item here to be. Will you bring an announcement to SPIE? Are you contacting them all by email, forming an ad hoc committee to decide on things?

- 8) Update on SPIE Best Student Paper competition (Constantin Ciocanel)

- a) Darren Hardl has agreed to be the new co-chair. Karla Mossi is rolling off as chair. Zoubeida asked for applause as appreciation for Karla's service to the branch. Submissions of papers are low so far, and the deadline has been extended to October 15th.
- b) SPIE 2014 competition and plans – no report

9) Report on SMASIS conference (Nancy Johnson)

- a) 2013/2014 – Conference General Chair: Nancy Johnson; Conference Technical Chairs: Andrei Zagrai and Ralph Smith –
- b) Stephan announced 2012 has now been closed.
- c) 315 attendees for 2013 with 295 abstracts.
- d) Nancy thanked Andrei & Ralph.
- e) Acknowledged Julie and Tizoc for high school students.
- f) Lucy, Heidi for judges for best paper & hardware.
- g) Bjorn - Student competition was successful. 63 papers submitted.
 - i) For large submission, judges chosen from TC as proposal.
 - ii) D. Brei prefers to maintain status.
 - iii) Alison Flatau suggests the purpose is to encourage student participation.
 - iv) Zoubeida suggested Bjorn speak with A. Flatau for mentoring.
 - v) Lucy Yu discussed hardware competition with only 9 submissions.
 - vi) Proposed helping students with shipping and assembly.
 - vii) Requests branch advertise the hardware competition.
 - viii) Zoubeida suggests sending email to ASMS branch & TC chairs
- h) 2014 - Andrei - September 15-17. Newport, RI. Contract not yet signed. CFP around mid March
- i) 2015/2016 -Conference General Chair: Andrei Zagrai; Conference Technical Chairs: Ralph Smith, & Mike Philen

10) Report on SPIE Smart Structures/NDE conference (Norman Wereley) 826 papers accepted, 721 attendees. SPIE asks ASME for advertising help.

- a) Still time to submit abstracts. Chris Lynch is moving to chair. 2014 – Symposium Chairs: Victor Giurgiutiu and Chris Lynch; Symposium Co-Chairs: Jayanth Kudva, Theodoros Marikas
- b) 2015 -TBD
- c) Report on Specific Conferences at SPIE
 - i) Active and Passive Smart Structures and Integrated Systems VII (Henry Sodano) - successful conference.
 - ii) Behavior and Mechanics of Multifunctional Materials and Composites VII (Nakhiah Goulbourne) - N. Goulbourne mentions submissions are down by 40%. Still accepting abstracts
 - iii) Industrial and Commercial Applications of Smart Structures Technologies VII (Kevin Farinholt)
 - iv) Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems (Jerome Lynch)

11) Report on AIAA/ASME/AHS Adaptive Structures Conference (David F. Voracek) Norm - 40 papers, 8 sessions

- a) 2013 -General Chair: David F. Voracek; Technical Program Chair: Ratneshwar (Ratan) Jha (Boston)
- b) 2014-To be held January 2014 @ National Harbor in MD - SciTech

12) Report on International Conference on Adaptive Structures & Technology (ICAST)

- a) 2013 – Chair Nakhiah Goulbourne, Co-Chair: Dan Inman (Aruba) - October 6-9, 2013. Registration is still open
- b) 2014 -TBD

13) Report from Honorable Subcommittee

- a) ASME Adaptive Structures and Material Systems Prize (Norman Wereley) - requesting nominations. Announcement to be made @ SciTech tentatively. Award to be given to Alison 9/17
- b) ASMS Best Paper Awards (Mohammad Elahinia) - awarded 9/17 to 2 winners. Looking for nominations for 2014. 12/31 is deadline.
 - (1) Structures and Structural Dynamics (Report by Wei Hsin Liao)
 - ii) Materials and Material Systems (Report by Nakhiah Goulbourne)

- c) Gary Anderson Award (Mohammad Elahinia) - announced @ SPIE and awarded 9/17
 - i) Recognition of this year's winner
 - (1) Request for new nominations
- d) ASME Fellow Nominations (Don Leo) - active member for 10 yrs, technical distinction and service to community.
 - i) All current fellows recognized.
 - ii) Newest fellow - Dr. Conner Johnson. Branch celebrated with applause
- 14) AIAA Business (Norm Wereley) - none
- 15) AIAA/ASME joint newsletter (Diann Brei) - discussed earlier
- 16) Report from Website and Social Media Subcommittee
 - a) Web site report and updates (Kam Leang) - TC website is up-to-date. Looking for membership changes. (Myers to send him updated roster)
 - b) Need volunteers for website maintenance.
 - c) Zoubeida thanks Kam for service of 5 years.
 - d) Background information - HTML, file transfer and database management
 - e) LinkedIn group and Twitter (Barbar Akle) - SPIE 2014 update
 - f) Facebook page (LeAnn Faidley) - 11 likes
- 17) Ascension of Branch Chair (Zoubeida Ounaies) - Mohammad ascends to Chair. Mohammad and branch members thanked Zoubeida for her service.
- 18) Ascension of Branch Co-Chair (Mohammad Elahinia) - Billy Oates ascends to Co-chair
- 19) Appointment of Branch Secretary (Mohammad Elahinia) - Oliver Myers remains as Secretary
- 20) Vote on Branch Treasurer (Mohammad Elahinia) - Diann re-emphasises need for leadership during difficult financial times.
 - a) Chris Lynch motions to vote.
 - i) Henry Sodano asks question of tenure issues.
 - (1) Is there a requirement that candidates be in a tenure track position and/or tenured to serve as an officer in the Branch
 - ii) Dan Clingman seconds Chris's motion to vote. Motion to vote carried. Dian motion for second round of voting to narrow the field and determine a clear-cut individual.
 - (1) Mohammed Daqaq (Assoc. Prof) - new treasurer
 - (a) Alper Erturk (Asst. Prof)
 - (b) Darren Hartl (Asst. Res. Prof)
- 21) Nomination of new Branch members
 - a) Diann motioned and Ken seconded a blanket motion to bring in all listed candidates as members. Motion was carried. The body accepted all new members listed:
 - i) Onur Bilgen (nominating member: Pablo Tarazaga)
 - ii) Ryan Harne (nominating member: Alper Erturk)
 - iii) Jay Gao (nominating member: Nancy Johnson)
- 22) Adjourn - Diann motioned & Ken Cunefare second @ 9:15pm