

Biomedical Acoustics Technical Committee Meeting
May 25, 2011 7:30 PM
Seattle, WA

1. Welcome of New Attendees

About 60 in attendance. First time attendees introduced themselves.

2. Biomedical Acoustics

Biomedical Acoustics is now fully implemented in all ASA documents.
BA website at: <http://acosoc.org/TechComm/BATC>

3. Google Mail List

You can sign up for the BA mail list by sending an email to:
ASA_BATC-subscribe@googlegroups.com or visit
http://groups.google.com/group/ASA_BATC

This is a separate email list from that maintained by the ASA and non-ASA members can join.

4. New ASA website

AcousticalSociety.org is now the official ASA website. It went live in early 2011.

5. Membership

Please look into whether you are eligible to become a Full Member. If you are a Full Member, you are eligible to vote and to hold office. After about 5 years as Associate Member you pay Full Member dues so you might as well become a Full Member. All you need is for two Full Members to sponsor you.

If you are a member of the ASA, you are eligible to serve a three-year term on the BA Technical Committee (BATC). The BATC is typically composed of individuals who are active in Society affairs but anyone may request to serve on the committee. The BATC terms start after the Spring meeting.

6. New BA Chair

An election was conducted in April, via email vote, by members of the BATC. BATC is a three-year term and there are about 80 members (<http://acosoc.org/TechComm/BATC/tcom/tcom.html>). The BA Chair Search Committee consisted of Mike Bailey, Carr Everbach, and Robin Cleveland.

Candidates were Franco Curra, Oliver Kripfgans and Bob McGough.

Bob McGough was elected as the new Chair and will begin his term in San Diego.

The voting method is now the same protocol as all but one other TC. An email vote facilitates the Chair transition and ensures a fairly robust voting pool of active BA members. Previously, a vote was conducted at the Spring meeting by whoever happened to be present at the evening BA TC meeting.

7. May 23-27, 2011 Seattle

Congratulations to:

New Fellows

J. Brian Fowlkes

Mark Schafer (awarded in Cancun but walked the walk in Seattle)

Thanks to:

Meeting Chair

Tom Matula

Special Session Organizers

[Photons and phonons: Diagnostic and therapeutic applications](#)

Ron Silverman and Parag Chitnis (Emmanuel Bossy filled in for Parag as co-chair at the meeting)

[Medical Acoustics in Urology](#)

Mike Bailey and Robin Cleveland

[Tissue erosion techniques in therapeutic ultrasound](#)

Vera Khokhlova and Larry Crum

[HIFU-induced thermal lesion imaging with ultrasound](#)

Larry Crum and Vera Khokhlova

[Metrology of high intensity ultrasound](#)

Peter Kaczkowski

[Student poster competition \(more on this shortly\)](#)

Tyrone Porter, Todd Hay, and Kevin Haworth

Contributed session chairs

Carr Everbach, Pei Zhong, Stuart Mitchell, Pierre Mourad, Franco Curra and Jonathan Mamou

Take-a-Student-to-the-Fellows-Luncheon

Christy Holland hosted Jonathan Kracht (Boston University) at the Society Luncheon and Lecture.

TPOM representatives

Franco Curra and Stu Mitchell

Student Council Rep

Derek Thomas

ASACOS

Peter Kaczkowski and Vera Khokhlova

Membership Committee

Christy Holland-outgoing

Mike Bailey-incoming

Medals and Awards

Lawrence Crum-outgoing

Ron Roy-incoming

BA Related JASA and JASA-EL Associate Editors (Based on PACS)

Charles Church, Doug Miller, Doug Mast, Robin Cleveland, Mardi Hastings, Oleg Sapozhnikov, Paul Barbone, Joel Mobley, Steve Kargl, Mark Hamilton, Tom Matula, Joel Mobley, and Andrew Szeri

BA POMA Associate Editors

Charles Church

Events:

AAAS Human Rights Survey

The United Nations (UN) has begun a process to define the human right to enjoy the benefits of scientific progress and its applications. Until now the voices of scientists generally, and members of the ASA in particular, have not been a part of that process. It is in that light that the ASA has been invited to participate in an AAAS-led initiative to address the question and in doing so contribute to this important UN event.

Mostafa Fatemi sat in on the AAAS focus group meeting as a representative of BA and updated the TC on what transpired.

The Wednesday night TC continues to be a success so we will keep the meeting on Wednesday at 8 pm.

8. Student Best Paper Poster Competition

Seattle was the first time we have used a poster competition for Best Student Paper Award. The session was organized by Tyrone Porter, Todd Hay and Kevin Haworth and they did an excellent job pulling everything together. Attendance was quite good and the session ran well beyond the allotted 1 ½ hours. Three awards were given and the winners were:

1st prize

Peng Zhang (Boston University) "The application of phase-shift nanoemulsion in high intensity focused ultrasound-mediated heating and its potential in monitoring lesion formation."

2nd prize

Himanshu Shekhar (University of Rochester) "A coded excitation technique for the functional imaging of coronary atherosclerosis using ultrasound contrast agents."

3rd prize

Pavlos Anastasiadis (University of Hawaii) "Ultrasound-induced permeability variation in cell gap junctions for drug delivery."

Thank you to all the judges for doing a great job. They were...

Todd Hay

Christy Holland

Glynn Holt

Peter Kaczkowski

Jon Lafollett

Michael Oelze

Dong-Guk Paeng

Kausik Sarkar

Martin Verweij

The TC felt it was worth continuing the poster competition format at Spring meetings. Hong Kong would be the next meeting to have the competition but it was decided to postpone until Kansas City in Fall 2012 because student attendance in Hong Kong is uncertain and Hong Kong would be harder to organize.

Kevin Haworth emphasized that we really need members of the TC to volunteer as judges in order to make the poster format successful. The judges this year put in a big effort and more judges would have been very useful. Please consider volunteering in the future.

9. Student Council Report

We need to select a new student representative whose term will begin at the Hong Kong meeting. The student representative serves over a two-year term. Please consider nominating your students or, if you are student, consider nominating yourself. All that is required is a letter stating that you will be able to attend the 4 meetings. There is travel support available for each meeting. \$500 for domestic and additional funds for foreign conferences.

The student council is working to standardize the method of electing the student council representatives and BA will be part of the first wave with the new process. The council will form a search committee with the current BA rep, the student council president, and the BA chair. The committee will work to select a slate of candidates. An email election will then be conducted before the San Diego meeting and the new rep will transition with the current rep in San Diego.

Update from Derek Thomas

Please make your students aware of the student themed events at ASA meetings before the meetings. Some of the things for students to be aware of:

- Twitter feed for updates to student activities throughout the week (@asastudents)
- ASA Student Council Mentor Award
 - Next award nominations due July 15, 2011. Go to www.asastudentzone.org for more info.
- Free meeting pre-registration for non-member undergraduate students
- Sign up to receive emails with student-specific information at www.asastudentzone.org.

- Student Council Hosted or Co-hosted Special Sessions in Seattle
 - "Introduction to Technical Committee Research and Activities: Especially for Students and First-time Meeting Attendees"
 - "Effective Communication between Scientists and the Media":

10. ASACOS (Standards)

Peter Kaczowski and Vera Khokhlova are sharing ASACOS duties. Peter provided an update in Seattle.

Don't forget ASA members receive up to 5 free standards per year. Info is sent out via email.

Wes Nyborg stepped down as chair of S1/WG 22 "Bubble Detection and Cavitation Monitoring" and this working group is no longer active. If anyone would like to take over as chair, please contact Peter, Vera, or Bob.

11. Oct 31 – Nov 4 2011, San Diego Town and Country Resort

Special Sessions (in Call for Papers. Abstracts due June 27):

[Sonothrombolysis](#)

Azzdine Ammi

[Biomedical applications of acoustic radiation force](#)

Mostafa Fatemi

[Quantitative methods in acoustical imaging](#)

This session is cancelled.

12. Help Needed for Jam session in San Diego

Enthusiastic volunteers needed who can assist with the Jam, especially if they live/work near San Diego. Assistance needed with: venue selection (usually conference hotel), equipment procurement, locate and hire a sound manager, promotion of the Jam through ASA, act as or recruit a stage manager (night of event), and project manager to keep everything on track.

Please ask volunteers to contact Tony Hoover at thoover@mchinc.com (with "ASA Jam San Diego" in the subject line).

13. May 14-18 2012, Hong Kong (Joint with WESPAC and ASC) Abstracts due Nov 15

Students on abstracts from US free. Others \$700 with early registration.

Juan Tu raised a concern that the registration was too high for scientists from China (and possibly Korea) to attend. It is not clear at this time how or if the ASC will subsidize Chinese attendees. There was a strong concern expressed at the TC that the organizers are pricing out many potential attendees. Of the 60 in attendance at the BA TC, about 10 said they were likely to attend the Hong Kong meeting.

Special Sessions:

[Subharmonic contrast imaging](#)

Michel Versluis, Jeff Ketterling, Che-Chou Shen

[Bone quantitative ultrasound](#)

Pascal Laugier and Dean Ta

[Ultrasound-enhanced drug delivery](#)

Constantine Coussios and Juan Tu

[Acoustic microscopy imaging methods for biomedical applications](#)

Tadashi Yamaguchi and Jonathan Mamou

[Biomedical ultrasound instrumentation](#)

Lei Sun and Qifa Zhou

TPOM Rep (Dec 2-3 or Dec 9-10, 2011): Jonathan Mamou

14. Future Meetings (Tentative session ideas are welcome)

Oct 22-26 2012, Kansas City

[Biomedical applications of acoustic standing waves](#)

Martin Wiklund and Armen Sarvazyan
(Possible satellite meeting also being discussed)

June 2-7, 2013 Montreal (Joint with Canadian Acoustical Association)

[High-frequency ultrasound \(20-80 MHz\)](#)

Michael Oelze and a lucky Canadian to be named later

Fall 2013, Open (San Francisco being discussed but there is a need for a chair. Other sites still a possibility.)

Spring 2014, Providence, RI (World Cup Year)

Fall Oct 27-31 2014, Indianapolis

15. Chairing Meetings

Any member is able to act as meeting chair and can submit a proposal for a conference. The ASA website has information on chairing meetings.

http://acousticalsociety.org/meetings/how_to_propose_a_meeting

16. POMA

The following questions were asked of the TC: Would you be more likely to submit to POMA if POMA had some form of peer review? Less likely?

Of the 60 in attendance, 1 said they would be more likely to submit and 7 said less likely. The rest had no opinion.

17. JASA Review Articles

There is an effort to increase the number of review articles in JASA because it can help increase the impact factor of JASA in addition to being useful to the research community.

One means of doing this within BA would be to form a committee to identify some areas that would merit a review article and then identify potential authors. A token honorarium would be available to the author(s). Editor in Chief would need to provide the official invitation. Papers would be advertised.

Charlie Church indicated that Floyd Dunn has already agreed to write one such review article and Charlie is also willing to discuss your ideas for review articles with the Editor in Chief.

18. NIH Chairs

Reviewers with ultrasound expertise are always needed for NIH reviews. It is important for ultrasound to have advocates at study sections because we are competing with other imaging modalities and reviewers who do not understand a proposal can doom it. Send email to EnhancingPeerReview@mail.nih.gov or visit <http://enhancing-peer-review.nih.gov> to volunteer or

learn more about the process. Talking to more-senior colleagues who have reviewed grants is also useful.

Larry Crum and Tyrone Porter stressed in Cancun how important it is to have strong ultrasound advocates on the study sections. It only takes one dissenting review to shoot down the chances of a proposal and it makes a huge difference for someone to correct misunderstandings. Sitting on study sections also gives you a perspective of where research trends are leading.

19. Fellowships

ASA-AIP Congressional Fellowship

Looking for applicants. Fellowship starts at the beginning of the Academic Year. Information on how to apply is provided on the AIP web site: <http://aip.org/gov/fellowships/cf.html>

You can apply on-line via this site. Deadline is Jan 15, 2012.

State Department Science Fellow

Looking for applicants. Fellowship starts at the beginning of the Academic Year. Information on how to apply is provided on the AIP web site: <http://aip.org/gov/fellowships/sdf.html>

You can apply on-line via this site. Deadline is November 1, 2011.

20. PACS

AIP is discontinuing PACS. Plans are to align papers within JASA in terms of technical committees. Steve Kargl stepped down as the BA representative on this initiative and Doug Mast will now act as the BA liaison to the Editor in Chief as the classification system is reorganized. There were no updates on the status of this activity.

21. ASA Education Coordinator

ASA now has an Education Coordinator, Wendy Adams.

There is a new educational site <http://www.exploresound.org/> aimed at kids of all ages. In addition to the website, a new four-part poster series -- Make Waves - Discover Science -- has been created which explores acoustics, lasers, echolocation, and cross-polarization. Website is still under development.

Volunteers are requested for career profiles. <http://www.exploresound.org/Home/Who-is-an-Acoustician.aspx>

Educations are kits available and being disseminated.
<http://www.exploresound.org/Home/Teachers-Parents.aspx>

A section will be eventually added to the ASA website with sounds. More details and requests for sounds will come out in the future.

ASA is working on a curriculum for new AP Physics format.

The graduate programs in acoustics section of the ASA website is in the process of being updated.

22. Other Business

A rousing hip hip hooray was chanted for the outgoing chair and many tears were shed.

Charlie Church indicated that BA submissions to JASA are declining in spite of BA participation at ASA meetings increasing. Why this is happening is not clear but the PACS structure may represent part of the problem as they relate to selection of Associate Editors. Charlie encouraged people to submit to JASA and JASA-EL.

23. Meeting Adjourned at 8:45 pm

Jeff Ketterling
Outgoing Chair of Biomedical Acoustics