

**Biomedical Acoustics Technical Committee Meeting  
November 17, 2010 7:30 PM  
Cancun, Mexico**

**1. Welcome of New Attendees  
About 45 in attendance**

**2. New Technical Committee Name**

The TC is now officially Biomedical Acoustics. New website at: <http://acosoc.org/TechComm/BATC>

Minutes and other relevant information can be found at the new website. Suggestions for additional content, within reason, are welcome.

The name change will be fully in place for the Seattle meeting in 2011.

**3. Google Mail List**

You can sign up for the BA mail list by sending an email to:

[ASA\\_BATC-subscribe@googlegroups.com](mailto:ASA_BATC-subscribe@googlegroups.com) or visit  
[http://groups.google.com/group/ASA\\_BATC](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. Nov 15-19, 2010 Cancun**

Congratulations to:

New Fellows  
Mark Schafer

Student Council Mentor Award  
Christy Holland

Thanks to:  
Special Session Organizers

[Biomedical applications of time reversal acoustics](#)  
Armen Sarvazyan and Matthias Fink

[Doppler methods and blood-flow imaging in medical ultrasound](#)  
Jonathan Mamou and Michael Oelze

[Image guided therapeutic ultrasound](#)  
Tyrone Porter

[Ultrasound contrast agents for molecular imaging and therapy](#)  
Azzdine Ammi and Saurabh Dattas

Contributed session chairs  
Peter Kaczkowski  
George Lewis  
Constantin Coussios

TPOM representative  
Jeff Ketterling

Student Council Rep  
Derek Thomas

ASACOS  
Peter Kaczowski and Vera Khokhlova  
Membership Committee  
Christy Holland  
Medals and Awards  
Lawrence Crum

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

At the TC meeting, we discussed whether the Wed night TC was worth continuing. Consensus was that Wed is as good as any night so we will continue having the TC on Wed night except in unusual circumstances.

There was also a discussion as to how the meeting program is organized. Due to the compressed timeline, the large number of abstracts, and the wide assortment of topics on widely divergent topics, it is inevitable that some talks may not be ideally situated due to the tradeoffs necessary to provide a balanced week. Based on a suggestion from Constantine Coussios, I will send out an email just after abstracts are submitted to request that groups having multiple talks on similar topics suggest an appropriate order for the talks in the program. This will be passed on to the TPOM rep and we will do our best to place the talks in the suggested order although not necessarily back to back.

## **5. Student Council Report**

Derek Thomas provided an overview of the key points discussed at the Student Council Meeting.

ASA Student Council Mentor Award

- Next award nominations due July 15, 2011
- Look online at ASA student website for more information ([www.asastudentzone.org](http://www.asastudentzone.org))

Student Programs / Opportunities

- ASA student website has place to post openings for post-doc positions. Check out this exciting feature! ([www.asastudentzone.org](http://www.asastudentzone.org) à “Post-doc Listings” tab)
- Undergraduate students mentored by graduate students at meetings
- Free meeting pre-registration for non-member undergraduate students
- Sign-up to receive emails with student-specific information (go to [www.asastudentzone.org](http://www.asastudentzone.org) for details).
- Plan to host soccer game at ASA Seattle meeting on Tuesday afternoon between students and professionals. Stay tuned for more details.

Student Council Hosting Special Session at ASA Seattle (May 2011) "Introduction to Technical Committee Research and Activities:

Especially for Students and First-time Meeting Attendees"

- One 12-minute talk will be given by an invited speaker from each TC

## **6. ASACOS (Standards)**

Peter Kaczkowski and Vera Khokhlova are now sharing ASACOS duties. Peter provided an update in Cancun.

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 Jeff.

## **7. May 23-27, 2011 Seattle (Tom Matula is the Chair)**

No salmon cruise banquet to Tillicum Village on Wed night

Possibly remote social one night and then all TC meetings at remote site after social.

Special Sessions (In Call for papers):

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

Ron Silverman and Parag Chitnis

[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 and Gail ter Haar

[Student poster competition](#)

Tyrone Porter, Todd Hay, and Kevin Haworth

TPOM Reps (Jan 14-15): Franco Curra and Stu Mitchell

## **8. Oct 31 – Nov 4 2011, San Diego Town and Country Resort**

Tentative Special Sessions (must be finalized in Cancun):

[Sonothrombolysis](#)

Azzdine Ammi

[Biomedical applications of acoustic radiation force](#)

Mostafa Fatemi

[Quantitative methods in acoustical imaging](#)

Joie Jones

TPOM Rep (June 2011): Azzdine Ammi and Tom Matula

**9. Future Meetings (Tentative session ideas are welcome)**

May 14-18 2012, Hong Kong (Joint with WESTPAC and ASC)

Ideally, find Asian co-chairs for sessions but not a requirement.

Not that long away so it is a good time to talk with Asian colleagues.

Student travel subsidies will be available.

I will be working with Lei Sun (Hong Kong Polytechnic University) to ensure sessions are coordinated.

[Acoustic trapping in biomedical applications](#)

Eleanor Stride

[Subharmonic imaging with acoustic contrast agents](#)

Michel Versluis and Jeff Ketterling

[Bone quantitative ultrasound](#)

Pascal Laugier

[Ultrasound-enhanced delivery of therapeutic agents](#)

Constantine Coussios and Juan Tu

[Acoustic microscopy](#)

Jonathan Mamou and Tadashi Yamaguchi

TPOM Rep (Jan 2012): ?

Fall 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 2012, Open

Spring 2014, Providence, RI (World Cup Year)

Fall 2014, Indianapolis

**10. New BA Chair Election in Seattle**

A new BA chair will be voted on in Seattle (Spring 2011). If interested or if you would like to suggest a candidate, please contact the Chair Search Committee (Jeff Ketterling, Mike Bailey, and Robin Cleveland, and Carr Everbach).

The Chair serves for 3 years (6 meetings) and the term will end Spring 2014 (Providence).

## **11. Job Announcements on BA List Server**

A poll was taken to see how people felt about job openings being sent out on the BA mail list. The general feeling was that it was a nice service and no one felt it would be intrusive to receive occasional emails listing openings. This does not come up all that often, but I will now send out announcements appropriate to BA from anyone who requests it. However, after a discussion on Friday at the Technical Council, it was decided that announcements will only be sent out for listings that have paid the ASA to be listed on the Society website at <http://asa.aip.org/jobs.html>. This will avoid undercutting the ASA's listing service.

## **12. New ASA website in works**

ASA website will undergo a major overhaul. Will be easier to navigate and will look like a modern web site. Release date is projected to be December 8, 2010 and new domain will be AcousticalSociety.org. Old link will redirect to new address.

## **13. Student Paper Award**

Tyrone Porter is Chair of an Ad Hoc BA and PA Student Paper Award Committee with the assistance of Todd Hay and Kevin Haworth.

In Seattle, we will try a poster format. Students will still give oral talks in the appropriate sessions. There will be a poster session that will be the basis of the student paper competition. An oral talk must be given to qualify but it will not be judged. Judges will either view all the posters or there will be a roaming panel that will hear 2-4 minute summaries of the posters. The judges would then confer and choose a winner. The intent is to provide a more consistent and uniform method of judging. It was suggested that extra effort for the poster is reasonable if a student would like to win an award.

This information is in the Call for Papers and we will send out emails as the abstract submission deadline for Seattle approaches.

## **14. Special Session Quantities**

There was a brief discussion as to how many special sessions were appropriate for a meeting. Because there are always 2-4 contributed sessions, it was agreed that we continue capping special sessions at 5 or 6. There are only 9.5 time slots of four hours each per meeting, so this will avoid overlapping sessions although M-F sessions will be possible at some Spring meetings. This issue came up because I had to initially turn down some sessions for Seattle.

## **15. Society Mailings**

The Society requested feedback for the TC about reducing mailings. Three questions were posed to the TC:

- Would you be fine with receiving the printed abstract book only if you attend a meeting? In other words, not mailing before meeting.
  - o About 75% of attendees were fine with only receiving the abstract book if they attended the meeting. If mailings were to stop, a full searchable pdf would be posted on the ASA web site and there would likely be an option to request a mailing of a paper copy.
- Should call for papers go online with no mailing?
  - o About 80% were fine with having the call for papers exclusively online. If this were to happen, a postcard or something similar would likely be mailed out announcing the opening for abstract submissions.
- Should CD ROM still be mailed out? Who is getting it now? Do you want to keep getting it?

- About 15/45 said they still received a CD ROM and about 10 of those 15 would be fine if the mailings stopped and all access would be via the JASA site.

### **16. Special Issues in JASA**

Editor in Chief is open to special issues in JASA devoted to one area. Not whole issue from front to back, but a group of papers within an area. Could have a guest editorial that introduces the content. Suggestions can be made to Allan Pierce.

There is a special issue in JASA (Ron Roy guest editor) called "Acoustics of Bubbles and Cavitation". Due date for submission is Dec. 13, 2010.

### **17. Special Issues in Acoustic Today**

Dick Stern has indicated that a full issue of Acoustics Today can be devoted to work in one TC. This would involve three contributions from BA. If anyone from BA would like to contribute to Acoustics Today please contact Dick or myself.

### **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](mailto: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 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. Discoveries & Breakthroughs Inside Acoustics** <http://www.aip.org/dbis/ASA/>

The ASA brings Discoveries and Breakthroughs Inside Science to its members and to local English and Spanish TV newscasts all over the US. With accurate, scientifically reviewed and reliable science information, DBIS covers many recent developments in acoustics that we use every day. These stories reach an audience that does not have regular access to quality science news.

Members are encouraged to submit story ideas via the website.

### **20. 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, 2011.

#### **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.

### **21. PACS**

AIP is discontinuing PACS. Plans are to align papers in terms of technical committees. Steve Kargl is acting 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.

## **22. ASA Education Coordinator**

ASA has now hired an Education Coordinator, Wendy Adams. There is a site at [acousticsforkids.org](http://acousticsforkids.org) that points to some educational posters. The sight is currently hosted by the OSA but there will be an ASA site for kids in the near future.

## **23. ASA/OSA Student Outreach Posters**

Looking for snappy ideas for posters to be sent to students. Things with animals and musical instruments were said to be the most appealing to students. Things with bloody organs are less appealing. OSA examples are at below link and you can contact Wendy Adams for more details or to suggest a topic.

<http://www.osa.org/educationresources/youtheducation/classroommaterials/Translations/default.aspx>

## **24. Other Business**

### Winter school on therapeutic ultrasound

March 14-18, 2011, Les Houches, France. Organizers: Bruno Quesson, Gail ter Haar, and Vera Khokhlova

Jean-Yves Chapelon asked to mention a postdoc opening at INSERM "MR-guided interstitial ultrasonic cMUT-based probes for the thermal ablation of tumors". Interested candidates should contact Jean-Yves CHAPELON ([jean-yves.chapelon@inserm.fr](mailto:jean-yves.chapelon@inserm.fr)) or Cyril LAFON ([cyril.lafon@inserm.fr](mailto:cyril.lafon@inserm.fr) / +33 4 72 68 19 20) for more information about the position.  
<http://www.acosoc.org/student/postdocs/index.html>

## **25. Meeting Adjourned at 9:25 pm**

Jeff Ketterling  
Chair of Biomedical Acoustics