

Biomedical Ultrasound/Bioresponse to Vibration Technical Committee of the
Acoustical Society of America/ Acoustical Society of Japan
Technical Committee Meeting
November 2006
Honolulu HI

Meeting called to order 7:45 pm Thursday November 30, 2006

45 were in attendance including at least 5 who introduced themselves as new members.

*Shu Takagi, University of Tokyo,
Yukio Kaneko, University of Tokyo
Stuart Mitchell University of Washington
Eleanor Stride, UCL, London
Eric Johnsen, CalTech*

1. Honolulu 28 Nov-2 Dec 2006

Introduced ASJ TC Chair Iwaki Akiyama (not present).

Congrats to
New Fellows (James McAteer, others)

For this meeting
Thanks to
TPOM representative -- John Allen
Plenary -- Lawrence Crum

Topical Meeting (Tuesday Nov 2):
Shock wave therapy – Robin Cleveland + S.H.R. Hosseini

Special sessions:
Acoustic tomography in tissue – Jeffrey Ketterling + Iwaki AKIYAMA
Interaction of Cavitation bubbles with cells and tissue – John Allen +
YoshikiYamakoshi
Celebration of Floyd Dunn – William O’Brien, Junichi Kushibiki, Michael Oelze,
Shin-ichiro Umemura
Ultrasound enhancement of drug activity - Constantin Coussios +Shin-ichiro
Umemura
Elastic Imaging – Peter Kaczkowski and Tsuyoshi Shiina

Biomedical Imaging and Microscopy – Suk Wang Yoon and Yoshifumi Saijo

Session Chairs

Charles Church

Yuri Pishchalnikov

Yoshiaki Watanabe

I Tried to explain briefly how the TPOM works. The TPOM is where the abstracts are assembled into a schedule for the meeting. It happens 3-4 weeks after abstracts are due in the location of the meeting. 1-2 volunteers form each TC meet. ASA administrators Charles Schmidt and Elaine Moran guide the process. But the BBTC is given one folder for all BBTC abstracts that did not designate a special session and a folder for each special session with the abstracts that marked that session on submission. Elaine has sent the list of the abstracts to each special session organizer and the folders also include all the instructions that the special session chairs have provided. The TPOM rep then assembles all the BBTC sessions and works with the other reps to choose rooms. Some things they watch for...

1. the BBTC meeting is usually Thursday evening and PA on Tuesday
2. we try not to have simultaneous BBTC sessions
3. For large meetings we try to get a room for 70-90 people and small meetings 50-70. Charles and Elaine have guidelines for this.

Some secondary points are joint sponsored sessions should not conflict with sessions in the other TC and generally we watch that similar PA sessions don't conflict.

2. General Thanks

Web coordinator

Shira Broschat - (<http://moab.eecs.wsu.edu/~shira/asa/bubv.html>)

Medals and Awards

Larry Crum

Please send Larry suggestions and nomination letters. Let's not overlook deserving senior members like Dr. Carstensen for medals or junior members for the Lindsay Award.

Membership + more

Carr Everbach, Tony Brammer

Please send Carr and Tony Brammer suggestions and nominations for fellows. Tony has offered to review the membership list to identify Fellowship candidates.

Be a Full Member

ASACOS – Carr Everbach, Peter Kaczowski stood in for Carr and explained about how ASA standards work. An action item to come of this is a special session in Paris (listed below).

3. Please Volunteer for standing committees/opportunities or create new ones. As the BBTC chair, I meet at the beginning and end of each meeting to pass info from the BBTC membership to the executive council. I can ask for small budgets (<\$3000) for initiatives, for example topical meetings or satellite meetings. The society encourages things that bring good people and work to the ASA.

3. Please send me nominations for BB technical council. This group takes extra responsibility to keep the BBTC vibrant, such as organizing special sessions, volunteering for the TPOM, writing Acoustics Today articles, offering tutorials, sitting on other committees, judging student papers, etc. I want to encourage and hate to neglect people who are doing these extra things without being on the council. I have to nominate a new group in Salt Lake.

4. Salt Lake City, 4-8 June 2007

These are the Special sessions: I am still confirming a few last minute points. Acceleration of blood clot dissolution with ultrasound – Carr Everbach It was suggested generalizing this title a bit as there were many papers on this topic in this meeting that will not be presented at Salt Lake.

Biomechanics of the stage (Ballet bio-vibration) - Carr Everbach with Education,

--John Allen volunteered to help. But it is my understanding this will not be a special session.

Coded signals and compression – [Jonathan Mamou](#)

There are Signal Processing special sessions proposed *Uncertainty and signal processing*. Richard Culver and *Spectral signal Analysis State of the art*. Sean Fulop

There is a AO/UW session Bubble Cloud Acoustics Michael Buckingham, Ron Roy.

Biomedical Applications of Acoustic Radiation Force Mostafa Fatemi

Modeling Acoustic Cavitation in vivo –Gracewski and Dalecki

***Important: Please provide clear instructions for TPOM**

TPOM Rep: ??? Still need a TPOM rep.

Session Chairs: If you are willing to serve as a chair of regular session in Salt Lake, please send me an email.

Abstracts due Jan 29 2007

Feb 16-17 2007 TPOM Salt Lake

5. New Orleans Nov 2007 (Tues-Sat)

VOTE: Do we like T-S or M-F?

The majority preferred to have the meetings before Thanksgiving rather than after. But if they are after the BBTC preferred T-S 2 to 1 over M-F. Many of the folks from outside the US preferred M-F.

Special sessions:

Cavitation in confined spaces, Preston Wilson

Shear wave imaging, low frequency mentioned in Providence

Topical meeting Tissue-response to ultrasound – Tyrone Porter

Stable Cavitation – Glynn Holt , Constantin Coussios

In Salt Lake, I will need exact titles and a one sentence description to be published in the call for papers

TPOM Rep: ?

Abstracts due Jun-Jul 2007

August 2007 TPOM in New Orleans

6. Paris, France. Jun 30-July 4 2008 (joint with EAA)

Special sessions:

Light and Sound in medical ultrasound imaging Tyrone Porter

Transducer for imaging and therapy (joint with EA) Jeff Ketterling

Contrast agents in medical imaging – Tyrone Porter, Eleanor Stride

HIFU Metrology and standards (joint with Standards)– Peter Kaczkowski, Gail ter Haar

BBTC will co-sponsor a special session/Topical meeting on Time-Reversal, but as yet we don't have anyone to help organize it. UW will take the lead.

Ultrasonic measurement of Bone Jim Miller? Pascal Laugier

In Salt Lake, I will need exact titles and a one sentence description to be published in the call for papers

TPOM Rep: *Neil Owen volunteered. Others offered Emanuel Bossy. Jeff Ketterling was willing if needed. We can finalize this closer to the time, but please speak up if you really want to be this TPOM rep.*

Abstracts due Jan 30 2008

Feb 15 2008 TPOM in Paris

6. Need location for Fall 2008 meeting (late Nov/Dec)

southwest

Some BBTC members were of the opinion that Lisa Zurk had volunteered Portland.

6. Other Meetings

ICA Sep 2-7, 2007 Madrid Spain abstracts due Jan 30 2007

ISTU Summer School

ISTU (Korea) is Jul 14-17 2007 which is about a week after Salt Lake.

ISNA Jul 7 2008

8. Student Council Report

Mike Canney reported as Student Council rep. They have a good list of fellowships on the website but want to add any they are missing.

9. Student paper award again in Salt Lake

There will be a student paper contest in Salt Lake. Students should mark this box when submitting abstracts. Students may participate within one year of graduation and students must post their papers to the paper copying service. It would help to identify yourself as a student at the start of your talk.

My plan is to ask all the audience to score each student paper 1-10. I will try to have many simple to use sheets available and a folder to collect them. If the scorer wants to give constructive feedback to the student write it on the sheet and I will get it to the student. If you want to give me feedback, just address it to me. I and perhaps Tyrone Porter will take an average of the scores.

I am willing to try to listen to suggestions on this protocol and I am willing to appoint someone else to run it. But for now, it is part of the BBTC chair's job.

10. Student Council Representative

A committee has been formed charged with obtaining nominations and selecting a new council member whose term will begin at the Paris meeting. At the Salt Lake BBTC meeting, the nominating committee will lead discussion of and start implementing steps to get broader involvement in the election and nomination process.

It is requested that the Student Council also look to get more nominees for Student Rep from BBTC.

11. Please suggest websites that ASA might learn from?

Good examples of general designs

The website committee likes the APS site and the ASA student site.

Mail suggestions to steve.thompson@psu.edu

12. Send in Physics (acoustics) success stories.

Info for Congressional Aides on benefits of funding Acoustics

Can view at AIP website

2 pages have a form

federal funding led to \$10B industry

saves lives, adds to security

reaping rewards of a century of R+D, timeline

today's investment, tomorrow's reward

send any bits to bstein@aip.org or me. Any suggestions of topics or bits are appreciated.

13. Would offering CME Credits attract papers to conferences, new members, useful reviewers, or manuscripts to ASA/JASA?

The opinion put forth was it was not worth the trouble. AIUM and a recent lithotripsy meeting are offering credits.

16. Panel on Public Policy exists

collect info on issues and make statements

classroom noise

ship noise and mammals

need ideas, people, subcommittees

17. Impact factor is good compared to other acoustics Journals.

Reviews

Cite recent references

18. JASA-EL is doing well

rejections up , review times down, number of papers up

19. Please Look at Vision 2010 in Acoustics Today Online

20. Other business

21. Adjourn

meeting adjourned at 9:00.