

Biomedical Ultrasound/Bioresponse to Vibration Technical Committee of the  
Acoustical Society of America  
Technical Committee Meeting  
June 2006  
Providence RI

Meeting called to order 7:40 pm Thursday, June 8, 2006

*55 were in attendance including 4 who introduced themselves as new members.*

*Jamie Collin, Oxford*

*Teiichiro Ikeda, University of Tokyo, University of Washington*

*Shin Yoshizawa University of Tokyo, Rice University*

*Shengping Qin, UC Davis*

## **1. Providence 5-9 June 2006**

Congratulations to

Purnima Ratilal – Lindsay Award

Mathias Fink – Silver Medal

Lawrence Crum – Mentor Award

New Fellows (Sheryl Gracewski, Gail ter Haar, others)

For this meeting

Thanks to

TPOM representatives

Robin Cleveland and Glynn Holt (Ron Roy for PA) -

Special session organizers

Glynn Holt + Peter Kaczkowski -- HIFU

Jeff Ketterling + Ernest Feleppa – Lizzi session

Todd Murray + Ron Roy – opto-acoustics

Diane Dalecki, Lawrence Crum, Leon Frizzell, Fred Kremkau

- Carstensen Session

Tyrone Porter (Friday morning) – Targeted contrast agents

Session Chairs

Yuri Pishchalnikov

Vera Khokhlova (PA)

Charlie Thomas (PA)

General Thanks

Web coordinator

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

*This is the BBTC website. These minutes are posted there, other notes usually sent in group mailings, and further information. Greg Clement pointed out that only a few laboratory links are listed there. If more are sent to me, I will ask Shira to post them please.*

Medals and Awards

Larry Crum

Please send Larry suggestions and nomination letters

Membership + more

Carr Everbach

Please send Carr or Tony Brammer suggestions and nominations

for fellows

*Become a Full Member and maintain your membership.*

BIROW representative

Outgoing Jeff Ketterling

Incoming Paul Barbone

New and Old BBTC members

Emmanuel Bossy

Tony Brammer

Robin Cleveland

Paul Dayton

Mostafa Fatemi

Yurii Ilinskii

Peter J. Kaczkowski

Jeff Ketterling

Vera Khokhlova

Oliver Kripfgans

James Lacefield

James McAteer

Yuri Pishchalnikov

Tyrone Porter

**2. Student paper award winners from Vancouver**

~20 student papers participated.

Thank you scorers and submitters.

Student Paper winners  
Jamie Collin, Oxford  
Matthew Urban, Mayo Clinic

Change Procedure?

*Preliminary discussion was held on how to improve the student award. Several felt the form could have a half for the scoring and a half for feedback to the student if the reviewer so chose. Others were concerned about making the process any more complicated. I am a little concerned about bothering people to ask them to judge. But for the now, I will add a portion of the form that could be used for feedback to the student. Students will have to come to me at the TC meeting to get them. Scorers are free to turn me down for whatever reason and are under no obligation to give helpful feedback to the students. I will try to revisit this discussion in Hawaii and remind us all of the rules. For example students may participate within one year of graduation and students must post their papers to the paper copying service.*

3. Hawaii 28 Nov-2 Dec 2006 (Tues-Sat)

***Abstract deadline - June 30***

Plenary welcome on first morning (8-10)  
Pay banquet with speakers+entertainment in addition to usual  
banquets/socials

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

Special sessions:

Acoustic tomography in tissue – Jeff Ketterling + Iwaki AKIYAMA  
Biological Cavitation – John Allen + Dr. Yamakoshi  
Celebration of Floyd Dunn – Bill O'Brien, Lawrence Crum + Dr. Kushibiki  
Ultrasound enhancement of drug activity - Constantin Coussios +Dr.  
Umemura  
Elastic Imaging – Peter Kaczkowski and Dr. Shiina

***\*Important: Special session chairs please provide clear instructions for the TPOM and get your invited speakers to***

*submit their abstracts on time (June 30). I suggest sending John Allen an exact list of how you would like your session organized. Please include some slots for contributed papers. I also suggest that you perhaps give a second back-up list on a shortened version of your session if possible. John Allen will be under some pressure to fit sessions in the schedule at Hawaii. It is possible that some sessions at the ASA meeting in Hawaii may need to be poster sessions.*

TPOM Rep. (Jul 21-23, Sheraton Waikiki) – John Allen [alleniii@hawaii.edu](mailto:alleniii@hawaii.edu)

John please try to schedule the BBTC for Thursday night even though the meeting starts a day late.

A list of possible session chairs for Hawaii was generated. Please send John Allen other names of people who will be at the Hawaii meeting and would be willing to chair a session.

*Peter Kaczowski, UW*

*Tyrone Porter, Boston Univ.*

*Charles Church University of Mississippi*

*Yuri Pishchalnikov, Indiana University Medical School*

*Constantin Coussios, Oxford University*

*Although it is too late to add a special session, Mostafa Fatemi offered to chair a session on radiation force applications in medicine or low frequency sound in medicine if enough papers in this area are submitted. He also proposed a special session on these topics for Salt Lake.*

*James Miller has responded to Murray Korman's general request for help and has offered to encourage speakers to contribute papers on bone acoustics to the PA session on inhomogeneous media. Jim has offered to Murray to co-chair. Jim will confirm that the session is in the call for papers and contact Murray for the name and contact information for the current chairs. Others if you see the session in the call for papers please contribute.*

If you know of ASJ members who would like to co-chair a contributed session in BB, please give John Allen a name, contact information, and area of research interest?

4. Salt Lake City, 4-8 June 2007

*Special sessions:*

*Acceleration of blood clot dissolution with ultrasound – Carr Everbach  
Biomechanics of the stage (Ballet bio-vibration) - Carr Everbach with  
Education,*

*Coded signals and compression – Ricardo Leiderman, Paul Barbone Signal  
Processing is listed as a co-sponsor. I do not have Ricardo's email. Signal  
Procession also is proposing a special session or a topical meeting on  
Uncertainty and signal processing. Please contact me to see if we want to  
merge our session with theirs or I will forward the contact when I get the  
person's name. I think last time Peter Kaczkowski was invited form BB to  
present in the SP session.*

*Stable Cavitation – Glynn Holt , Constantin Coussios Please check with Ron  
Roy who has proposed a session in UW on bubble clouds. Should this session  
be merged with that one? Or should BB co-sponsor with UW on a cloud  
session?*

*Radiation Force Application for Bio-effect, biomedical application of low  
frequency Mostafa Fatemi*

*TPOM Rep: Still need a rep willing to go to Utah in Feb 16-17 2007 to  
coordinate papers (and ski).*

## **5. Future Meetings**

*New Orleans Nov 2007 (Tues-Sat)*

*Contrast agents – Tyrone Porter  
Shear wave imaging, low frequency -- Mostafa Fatemi*

*Paris, France. June 30-July 4 2008 (joint with EAA)*

*Time-Reversal Applications in Bio-acoustics or general and share with UW  
Bone*

*Tissue-response to ultrasound – Tyrone Porter  
Shear wave imaging, low frequency Mostafa Fatemi*

## **6. Other Meetings**

*ISTU Oxford England Sept. 2006*

ISNA in Stockholm immediately following Paris

WesPac 9 June 26-28 2006 – Seoul Korea

From Wang Yoon: The Organizing Committee invites you to the 9th Western Pacific Acoustics Conference (WESPAC IX 2006) for June 26-28, 2006 in Seoul, Korea, the Land of Morning Calm.

ICA Sep 2-7, 2007 Madrid Spain

Physical Acoustics Summer School June 19-24 2006

## **7. Student Council Report**

Mike Canney

*The BBTC suggested Mike recommend that the Student Council develop a page on the website where job opportunities and resumes for those looking can be posted.*

## **8. Student Council Representative**

*From Fall05 minutes. It was decided a strong nomination committee will be selected before the Salt lake meeting and charged with obtaining nominations and selecting a new council member at the New Orleans 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 was requested that the Student Council also look to get more nominees for Student Rep from BBTC.*

*The election and end of Mike Canney's term is scheduled for the New Orleans meeting. We would like to insure many students are nominated. When asked, no one suggested that there were any hindrances to nominating students or to a student performing the role of student rep.*

## **9. ASA membership is flat**

- a. You can get flyers from Elaine to distribute at other conferences
- b. Hot topics, special sessions, bring in new people
- c. **Need volunteers for Interdisciplinary Technical Committee-- contact Charles**

Clip articles and pay attention to research and people that could be in ASA but are not.

## 10. Physics Success Stories

AIP 1-2 page handouts, hand to congressional staffers

**Please send a figure and short description to Charles**

Something really important to acoustics

## 11. References to Contemporary Papers in Acoustics

Is there a substantial minority that wants to keep the RCPA?

\$20-40k/year

Thanks to Dick Stern

*No resistance to removing RCPA. Christy Holland pointed out that Associate Editors use the RCPA and that instead of canceling all at once, it is possible to go to only online availability to assess usage. Doug Mast said ASA had already tried that.*

## 12. JASA-EL (express letters)

Need more submissions.

Is \$350 flat mandatory fee an impediment?

What are other impediments?

*The BBTC saw no impediments to publishing in JASA-EL and was generally supportive of JASA-EL.*

## 13. Impact Factor for JASA

How many times a JASA article is cited in the 2 years following printing

**Please cite recent JASA articles.**

*Christy Holland had an excellent suggestion for the editor-in-chief to improve JASA's impact factor that was delivered and favorably received at technical council.*

## 14. Committee

Encourage you to get involved

Visit a committee meeting, meet the chair, we can get you appointed

Tutorials and Women in Acoustics in particular are looking for members.

Also ASA is making a new website and welcomes help on ease of use

contact Steve Thompson [sct12@psu.edu](mailto:sct12@psu.edu)

*Peter Kaczkowski offered to help with the website.*

15. Meeting schedule is listed on the web.

16. Other business

17. Adjourn

*The meeting was adjourned at 8:30.*