

**ASA/EAA  
Physical Acoustics and Biomedical Ultrasound/Bioresponse to  
Vibration Technical Committee Meeting  
July 1, 2008  
Paris**

7 pm Meeting called to order  
50 people present

Jeffrey A. Ketterling was elected the new BBTC Chair:

Jeffrey A. Ketterling  
Biomedical Engineering Directorate  
Frederic L. Lizzi Center for Biomedical Engineering  
New York, NY

Jeff's term started at the end of the Paris meeting.

### 1. Paris Jul 08

Congrats to

New Fellow Vera Khokhlova

Lindsay award winner Tyrone Porter

Student Paper Award winners – please contact Elaine Moran  
[elaine@aip.org](mailto:elaine@aip.org) for your prize money

1. Moire Smith, Cambridge UK Effect of HIFU on pH responsive PEGylated Micelles
2. Todd Hay Univ. Texas, US Frequency response of bubble pulsations in tubes with arbitrary wall impedance
3. Dorothée Bossis Université Pierre et Marie Curie France  
1 kHz sound stimulates nitric oxide and prostaglandin E2 production by rat mesenchymal stem cells

Thanks to

TPOM representative -- Emmanuel Bossy, Neil Owen

All Special session chairs

Christy Holland – Membership Committee

Peter Kaczkowski –ASACOS

Carr Everbach – outgoing ASACOS/ Membership committee rep

Paul Barbone – outgoing BIROW rep

Web coordinator

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

Medals and Awards  
Lawrence Crum  
BB Associate Editors

**Comments about the meeting?** None were offered.

## **2. Student Council Report**

Welcome to Lucie Somaglino the new BB rep to Student council.

Lucie Somaglino

INSERM U556 and University Claude Bernard, Lyon, France.

We were reminded to nominate people for the Student Council's Mentoring Award.

## **3. Miami Nov 10-14, 2008 meeting (mid Nov)**

2 co-sponsored special sessions only

TPOM rep: Saurabh Datta, July 18-19

## **4. May 18-22, 2009 Portland OR**

special sessions

Image enhancement and targeted drug and gene delivery – Azzdine Ammi and Saurabh Datta

Biomedical applications of standing waves – Armen Sarvazyan

Medical ultrasound imaging with high frequency and/or contrast agents – John Allen and Jeff Ketterling

Shock wave therapy – Michael Bailey and Thomas Matula

Metrology and calibration of high intensity focused ultrasound – Peter Kaczkowski

TPOM rep: Peter Kaczkowski

## **5. October, 26-30, 2009 San Antonio**

special sessions:

Traumatic Brain Injury – Steve Kargl and Tom Matula

TPOM rep:

## **6. Student paper award every spring meeting**

Forms at each session. Please score the student talks.

Students please introduce your talk as a student talk or hand out some of these scare sheets at your poster.

7. You are encouraged to submit papers to POMA at or after this or any ASA meeting.

8. ASA expects to call for soon and accept before the Miami meeting, proposals up to \$10,000 to bring innovation to meetings. Expect to have them sent through the TC.

We heard a proposal for a Traumatic Brain Injury session.

Probably many of us were thinking how to do a HIFU demonstration. Mark Brentnall explained we could do it with an interactive video feed. So it is suggested that we have at least one group or company do a HIFU treatment on interactive video feed.

We also heard the idea of a Youtube video challenge for cool acoustics demonstrations.

9. No decision or action yet, but JASA is looking to get attention. JASA may look for someone in each TC to call out papers that appear in JASA that JASA might promote to the popular press as AIP does with lay papers at meetings.

10. Any concerns or thoughts about what is required for ASA membership or Fellowship talk to Christy and/or new BBTC Chair. For example for Fellowship, can a person be a great acoustician but have had little involvement in the ASA?

11. **BIROW** \_ Biomedical Imaging Research Opportunities Workshop  
The BBTC recognizes the responsibility and opportunity here to keep NIH aware of the importance and challenges of research in medical ultrasound. We are looking for 1-2 new representatives to this organization to help organize and to attend the BIROW meetings. Azzdine Ammi expressed interest. Others are encouraged to attend and present at the meetings. We will try to coordinate our effort with AIUM and RSNA.

## 12. PACS numbers

The JASA editors are working on adjusting the PACS numbers. This will help separate animal bio-acoustics and medical ultrasound articles in the journal.

## 13. Other business

There is considerable interest in medical ultrasound standards, particularly how could ASA get involved in standards for acoustic characterization of HIFU devices. ASA researchers clearly have knowledge to contribute but the effort should work with international standards agencies. The BBTC will continue to hold special sessions related to this topic. ASACOS is supportive of re-opening a committee previously chaired by Wes Nyborg to explore how ASA can contribute to medical standards. BBTC ASACOS rep Peter Kaczkowski is the first point of contact.

Comment from the outgoing chair. Please volunteer and attend ASA meetings, especially junior people. Some people obviously volunteer a considerable amount of time, thank you. There are plenty of jobs big and small that would help improve the BBTC and the ASA. For example, the student award is a pain to administer and could be done in a better way than I did. There is also funding available for new and creative ideas. ASA is always looking to bring in new members and areas of acoustics.

**Meeting Adjourned at 8 pm.**

**Minutes at BBTC website**

<http://moab.eecs.wsu.edu/~shira/asa/bubv.html>