

MINUTES: Technical Committee on Musical Acoustics (TCMU)
159th Meeting of the Acoustical Society of America
Baltimore, Maryland
Tuesday, April 20th, 2010, 8:00 pm (Galena)

Attendees:

Committee members: James Beauchamp, George Bissinger, James Cottingham, Evan Davis, Eric Dickman (student council), Diana Deutsch, Thomas Moore, Andy Morrison, Thomas Rossing, William Strong, Paul Wheeler (chair); **ASA members:** Edgar Berdahl, Freddie Bell-Berti (executive council), Kelly Fitz, Gary Gibian, Colin Gough, Sharon Ho, Philip May, Andy Piacsek, **Visitors:** Matthew Boucher, Judy Cottingham, Eric Powell, Maggie Quinn, Randy Worland

Announcements:

ISMA - Sydney and Katoomba, Australia (Aug 26-27, 30-31, 2010)
Young Investigators Award (Freddie Bell-Berti)

Acknowledgments:

TPOM: Jim Cottingham

Session Chairs: George Bissinger (2aMU), Jonas Braasch (5aMU), Grace Clark (3aMU), Thomas Moore (4pMU), Andrew Morrison (1pMU), Tomas Rossing (1pMU), Paul Wheeler (1aMU), Preston Wilson (1pMU)

Best Student Paper entries:

Marshall J. Brown: Highspeed imaging techniques for harpsichord plucking action (1aMU3)
Chao-Yu J. Perng: Toward the modeling of harpsichord plucking (1aMU4)
Edgar Berdahl: Haptic interaction for music with unstructured freedom — (1aMU5)
Homemade digital musical instruments (1pMU6)
Kailash Patil: A biomimetic multi-resolution spectrotemporal model for musical — (4aPP11)
Gang Ren: Real-time visualization of expressiveness in musical performance (4pMU7)

Upcoming meetings:

Cancun, Mexico (Nov 15-19, 2010) [TPOM June 25-26, 2010 in Cancun]
Seattle, WA (May 23-27, 2011)
San Diego, CA (Oct 31-Nov 4, 2011)
Hong Kong (May 14-18, 2012)
Montreal, Canada (Jun 2-7, 2013)
Providence, RI (Jun 4-8, 2014)

Sessions for Cancun Meeting: [Note - we still need a TPOM representative]

Acoustics of brass instruments (Paul Wheeler) Acoustics of guitars (Tom Rossing, Phillippe Bustamonte, Ricardo Boullosa)
Analysis, synthesis, and perception of musical sounds (James Beauchamp)
Effects of wall vibrations on musical instruments (Thomas Moore)
Guitar concert (Miguel Zenker, Tom Rossing)
Natural and ethnographic wind instruments (Murray Campbell)

Sessions for Seattle Meeting: [TPOM representative - Evan Davis]

Acoustics of keyboard instruments (Paul Wheeler)
Experience Music Program (Tom Rossing with Charles Schmid)
Materials in musical instruments (Uwe Hansen)
Optical methods for studying musical instruments (Tom Rossing)

Sessions for San Diego Meeting:

Acoustics of the singing voice (Paul Wheeler)
Expressivity and musical sentences (James Beauchamp)
Interfaces for playing physical models of musical instruments (Edgar Berdahl)
Rhythm, Mathematics (James Cottingham)

Sessions for Hong Kong Meeting:

Asian percussion instruments
Asian string instruments
Asian wind instruments

Scope of TCMU:

The following scope was voted on in a previous TCMU meeting. There was a discussion about possible changes to the scope. Due to the time schedule it was voted to submit the scope as is with the ability to amend it in the future. [Note: At the Technical Council Meeting on Friday we were informed we have until June to finalize the scope. Evan Davis agreed to rework the wording of the scope, so contact him for any suggestions.]

Concerned with the application of science and technology to the field of music. Of particular current interest are the following topics:

1. Physics of musical sound production
2. Music perception and cognition
3. Analysis and synthesis of musical sounds and compositions

Committee Reports

Medals and Awards Committee **[We need a new representative]**

Membership Committee - James Cottingham

Student Council - Eric Dieckeman

Proceedings of Meetings on Acoustics (POMA) - James Beauchamp

There was a discussion about a non-corresponding author submitting a paper to POMA. It was later determined that it may be possible. Talk to Elaine from ASA.

Other Business:

George Bissinger announced plans for an additional volume of the Carleen Hutchins collection of papers for string instruments and the possibility for ASA publication.