



ACOUSTICAL SOCIETY OF AMERICA
TECHNICAL COMMITTEE ON

UNDERWATER ACOUSTICS

Welcome to our Technical Committee meeting
Minneapolis October 20, 2005

Agenda

- Vancouver Student Awards
- Hot topics presentation for Providence
- Special sessions: Providence AND Hono.
- Misc. items → adjourn

Student paper awards from Vancouver

First Prize

Alexander O. MacGillivray, University of Victoria

Presentation title: *Acoustic modeling study of airgun noise from seismic surveys performed offshore British Columbia,*

Second Prize

Jie Yang

School of Mechanical Engineering

Georgia Institute of Technology

Presentation title: *Influence of internal waves on vertical coherence of sound propagation in the East China Sea*

Thanks to *Kathleen Wage*

UW coordinator for student award judges for
Minneapolis and Providence

Thanks to *Dave Dowling and D. Chu*

UW TPOM reps for Minneapolis

TPOM rep for Providence:

Gopu Potty Meeting is Feb 10-11

UW SPECIAL SESSIONS FOR PROVIDENCE

JUNE 2006

AO-sponsored sessions

Marine Mammals and Noise

Chair: David Bradley

Tsunamagenic Events and Earthquake Processes

Co-Chairs: P. Mikhalevsky and Ralph Stephen

Acoustic monitoring and characterization of tsunamis and earthquakes

SPECIAL SESSIONS FOR PROVIDENCE (JUNE 2006)
UW SPONSORED

Title: High-Frequency Ambient Noise

Measurements and modeled comparisons of ambient noise anisotropy at mid- to high-frequencies (>1kHz).

Sponsoring TC: UW

POC & Organizer: Juan Arvelo <Juan.Arvelo@jhuapl.edu>

Title: Scattering of sound at the sea surface

This session will focus on quantifying the interaction of sound waves with a time-varying sea surface on all scales of roughness. Contributions involving modeling and or measurements (field or laboratory) are encouraged.

Sponsoring TC: UW

POC & Organizer: Duncan Williams <DPWILLIAMS@mail.dstl.gov.uk>

SPECIAL SESSIONS FOR PROVIDENCE (JUNE 2006)
UW SPONSORED

Title: High frequency acoustic propagation and applications

The impacts of ocean processes on high frequency underwater acoustic propagation and their application to tomography and acoustic communications

Sponsoring TC: UW

POC & Organizer: Jim Preisig <jpreisig@whoi.edu>

**SPECIAL SESSIONS FOR PROVIDENCE (JUNE 2006)
UW SPONSORED**

Title: In honor Joe Blue named session

POC & Organizer: Tom Muir

Suggestion: limit to two sessions

Session I has EA & PA focus & sponsorship

Session II has UW/AO & AB focus & sponsorship

UW SPECIAL SESSIONS FOR HONOLULU

NOVEMBER 2006

AO-sponsored sessions

Acoustic Scattering by biological organisms

Co-Chairs: Ken Foote and Masahiko Furusawa

Ocean acoustic tomography for coastal and deep water applications

– Co-Chairs: J. Mercer and Arata Kaneko

SPECIAL SESSIONS FOR HONOLULU (NOVEMBER 2006)

Title:

Sediment acoustic processes: Quantifying the effects of sediment properties on dispersion, attenuation, reflection, scattering, and buried target detection.

Topics will include recent results on sound speed dispersion and attenuation in marine sediments, acoustics of the surficial transition layer (e.g., bottom reflection and depth dependence of compressional and shear wave velocities), bottom scattering, and buried target detection.

Sponsoring TC: UW

POC & Organizer: Eric Thorsos (APL-UW) and Masao Kimura (Tokai University)

SPECIAL SESSIONS FOR HONOLULU (NOVEMBER 2006)

Title: Session in honor of Leonid Brekhovskikh
(special named session with invited talks)

This session honors the many contributions of Leonid Brekhovskikh to the understanding of wave propagation in layered media.

Sponsoring TC: UW

POC & Organizer: Oleg Godin and Bill Kuperman

Title: Session in honor of Fred Fisher
(special named session without invited talks)

This session honors the many contributions of Fred Fisher to underwater acoustics and acoustical oceanography.

Sponsoring TC: UW

POC & Organizer: Bill Kuperman

Hot topics in Acoustics

This meeting:

Presentations by P&P, SP, ?? Technical Committees

We (UW) have an opportunity for Providence

--get back to me with suggestions and I'll forward

EC Business

- JASA-EL
 - ARLO becomes: JASA – EL (late October)
 - Papers formerly to ARLO go to JASA – EL: style of paper is same
 - NOT A REGULAR LETTER TO JASA
 - Review process geared to fast publication: 4-6 weeks
 - Letters published online (article at a time); bimonthly JASA CD ROM; and in printed version of JASA
 - Color figure policy same as in JASA
 - Mandatory charge: \$350. per letter.
 - New editor: Keith Wilson
- JASA CDs
 - Does JASA need to make CDs on bimonthly basis?
 - Do we make use of the CDs?
 - ‘ASA has no plans to change...’

EC Business

- Proposal for invited speakers who are not ASA members:
 - One day fee is waived
 - More than one day: speaker pays membership fee
- Breaks for 'Early Career' members:
 - Fee reduction?
 - Annual Dues reduction?

EC Business

- Proposal for joint ASA/ICA meeting Sydney AS
 - August 2010
 - Is this a good idea to support? (EC votes this week)
- Fall 2008 meeting site is open
 - Any takers.....?

EC Business

- Acoustics Today
 - First issue this month: Feedback?
 - Acoustics Today needs ‘readers’ from AO
 - Monitor technical content of AO articles
 - Occasionally read articles from other TCs for style
 - Volunteers?