

## **P&P Technical Committee Meeting**

In Seattle WA and on Zoom  
30 November 2021

Chair: Virginia (Gin) Best  
Boston University  
[ginbest@bu.edu](mailto:ginbest@bu.edu)

<https://tcppasa.org/>



# Agenda

People

Meetings

Publications

Other Items

# P&P Members Serving ASA

Peggy Nelson: President Elect; Immediate Past Vice President; Meetings committee

Brian Moore: Executive Council

Judy Dubno: Treasurer

Beth Strickland: Membership committee (Chair)

Bill Hartmann: Membership committee

Lori Leibold: Membership committee

Brenda Lonsbury-Martin: Medals and Awards committee (Chair)

Andrew Oxenham: Medals and Awards committee

Michael Smith: Student Council

Eric Hoover: ASACOS

Brian Monson: Education in Acoustics committee

Ellen Peng: P&P Technical Program Organizer, Tutorial/Short Course committee

Karen Helfer: Prizes and Special Awards committee

Chris Stecker: Books committee

Adrian KC Lee: International committee, Education in Acoustics committee

Anna Diedesch: Women in Acoustics

# Associate Editors

## **JASA**

Chris Stecker (P&P Coordinating Editor)

Josh Bernstein, Les Bernstein, Hari Bharadwaj, Jonas Braasch, Emily Buss, Bastian Epp, Matt Goupell, Karen Helfer, Laurie Heller, Philip Joris, Colleen Le Prell, Christian Lorenzi, Heidi Nakajima, Sunil Puria, Chris Shera, Sarah Verhulst

## **JASA-EL**

Christopher Bergevin, Monita Chatterjee, Qian-Jie Fu

## **POMA**

Kelly Whiteford

# Volunteers Needed

We need a new Technical Program Organizer to replace Ellen Peng.

Public Relations Committee needs a representative from P&P.

Please contact me if you are interested or have a suggestion!

# The “Elected” TC

## **Term 2019 – 2022**

Doug Brungart, David Eddins, Ruth Litovsky, Ginny Richards, Chris Stecker, Kelly Whiteford

## **Term 2020 – 2023**

Magda Wojtczak, Pavel Zahorik, Yi Shen, Erol Ozmeral, Jungmee Lee, Deniz Baskent

## **Term 2021 – 2024**

Julie Arenberg, Ellen Peng, Bonnie Lau, Anahita Mehta, Andrew Brown, Skyler Jennings

Have not yet elected new members to rotate on in 2022...

# The “Elected” TC

## **What does P&P do?**

Once a year, chair comes up with a shortlist of names to go on the ballot. A vote is held (on paper or by survey monkey) to select 6 new members.

## **What does Speech Communication do?**

They decided not to ‘elect’ members but rather ‘appoint’ anyone who wants that experience.

Each year they invite ‘core’ members to renew their term and suggest other members.

They also allow anyone from the wider TC to volunteer.

# The “Elected” TC

## **Suggestion**

Each year before Spring meeting:

Chair invites core members who are rotating off to stay on if they wish

Chair solicits suggestions for new members from the core TC

Chair appoints new members who have volunteered themselves

Chair invites anyone who has been heavily active in P&P to join

To be even more inclusive, the chair could email the wider TC for volunteers.

There is some worry that the core TC will then get too big.

But does size really matter given that the activities of the core TC are really just email-based discussions, votes, etc?



# Awards



Silver Medal in Psychological and Physiological Acoustics

Ruth Y. Litovsky, University of Wisconsin

For contributions to understanding binaural hearing and the perceptual consequences of providing bilateral cochlear implants

**Join us at the Awards ceremony tomorrow night!**

# New Fellows



Matthew J. Goupell

*For advancing understanding of binaural processing in electric and acoustic hearing*



Adrian K.C. Lee

*For contributions to our understanding of auditory attention*



Pavel Zahorik

*For contributions to understanding auditory perception in natural environments*

**Please keep the nominations coming!**

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# This Meeting: Seattle

## **Program Overview**

1pPP: Acoustics Outreach to Student Scientists in Clinical and Physiological Research

2aPP: Auditory Perception of Stationary and Moving Sounds I

2pPPa: Auditory Perception of Stationary and Moving Sounds II

2pPPb: Psychoacoustics and Neural Processing (Poster Session)

3aPP: Acoustic Outreach to Early Career Scientists in Clinical and Physiological Research

3pPP: Auditory Neuroscience Prize Lecture (Ed Rubel)

4aPP: Open Source Audio Processing Platform - Hackathon Challenge Presentations

4pPPa: Challenges and Opportunities in Technology for Remote and Virtual Testing

4pPPb: Binaural Hearing and Speech Perception (Poster Session)

5aPP: Development and Aging; Clinical Populations (Poster Session)

Contenders for the student Best Paper Award are spread across all sessions

# Future Meetings

**Spring 2022:** Denver CO (May 23-27, 2022)

**Fall 2022:** Nashville TN (Dec 5-9, 2022)

**Spring 2023:** Chicago IL (May 8-12, 2023)

**Fall 2023:** Sydney, Australia (joint with WESPAC)

**Spring 2025:** New Orleans LA (joint with ICA)

# Special Sessions

## **Spring 2022 (Denver)**

Age-related changes in mechanisms of speech perception (Pam Souza and Monita Chatterjee)

Hartmann Prize Lecture (Philip Joris)

## **Spring 2023 (Chicago)**

Environmental sounds: Perception, Cognition, Applications (Laurie Heller and Valeriy Shafiro)

Honoring Charles S. Watson's Contributions to Psychological Acoustics (Bob Lutfi and Gary Kidd)

**Please contact me if you have ideas for special sessions for any future meeting**

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# JASA and JASA-EL

JASA submission numbers are strong.

142 median days from submission to acceptance.

56% acceptance rate.

Two-year Impact Factor = 1.84.

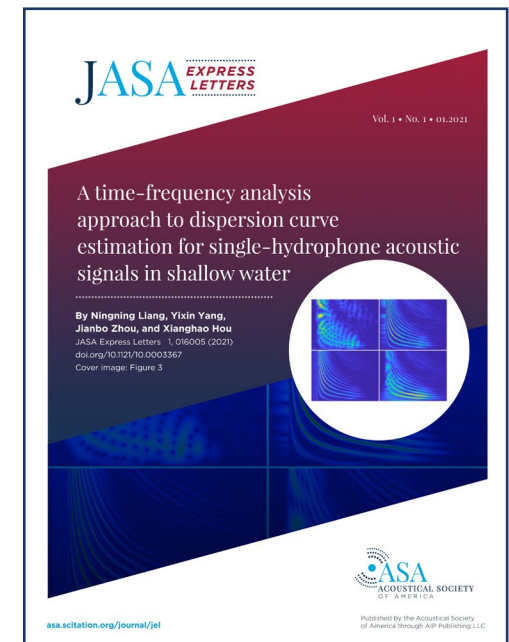
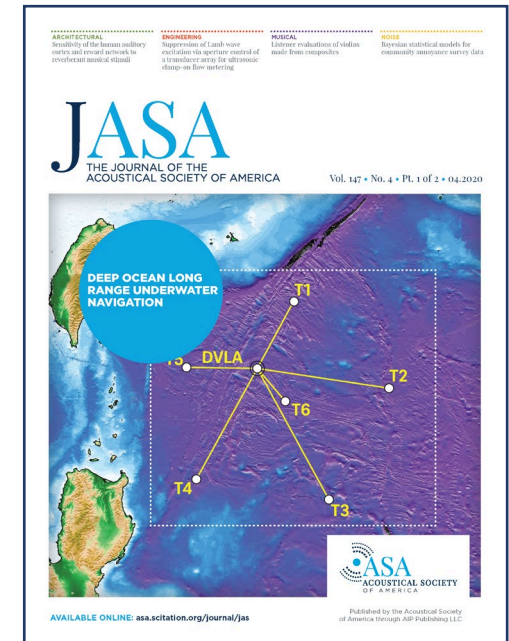
Five-year Impact Factor = 2.001.

2020 Impact Factor for P&P = 1.783.

Special Issues are very popular.

Reflections articles are also doing well.

Thank you Bill Yost and Philip Joris for leading that effort in P&P!





# POMA

## PROCEEDINGS OF MEETINGS ON ACOUSTICS



### Free to Authors

The cost of publishing in POMA is included in the ASA Meeting registration fee.



### Free Access

POMA articles are published online, available *without cost* to all readers, and are indexed in scholarly databases.



### Rapid Publication of Results

POMA's editorial process makes it a timely forum for viewing the latest work in acoustics. The average time from acceptance to publication is 7-10 days.



### Your Research Gets Noticed

Published articles are actively promoted on social media and in email campaigns. POMA content published in 2018 was downloaded over 27,000 times.



### Available for All Cosponsored Meetings

ASA-approved cosponsored workshops and conferences can take advantage of POMA's customizable publishing process.



### Published and Permanently Archived

Turn your paper presentation or poster into a published paper with an assigned DOI # to ensure identification and increase exposure.



### Highly Qualified Editorial Board

Editorial Board members are experts in their field, providing invaluable feedback and expertise.



### Special Session Collections

Utilize POMA to feature emerging research areas, hot topics, societal impacts of acoustics, and history and contributions of prominent members.



### Submission Process is Fast and Easy

Templates are available for authors and our editorial staff is always responsive and helpful.

### **POMA's rolling submission policy invites corresponding manuscripts from all past ASA Meetings!**

If you have presented at any ASA Meeting, turn it into a published paper in POMA. It's not too late!

# Acoustics Today Collections

Website has a new feature called AT Collections

Acoustics in Space

Animal Bioacoustics

Anthropogenic Sound & Animals

Biomedical Acoustics of Ultrasound

Computation and Acoustics

Concert Hall Acoustics

Human Psychoacoustics

Musical Instrument Design & Acoustics

Noise Effect and Criteria – Acoustical Standards

Noise Effect and Criteria – Community Noise and People

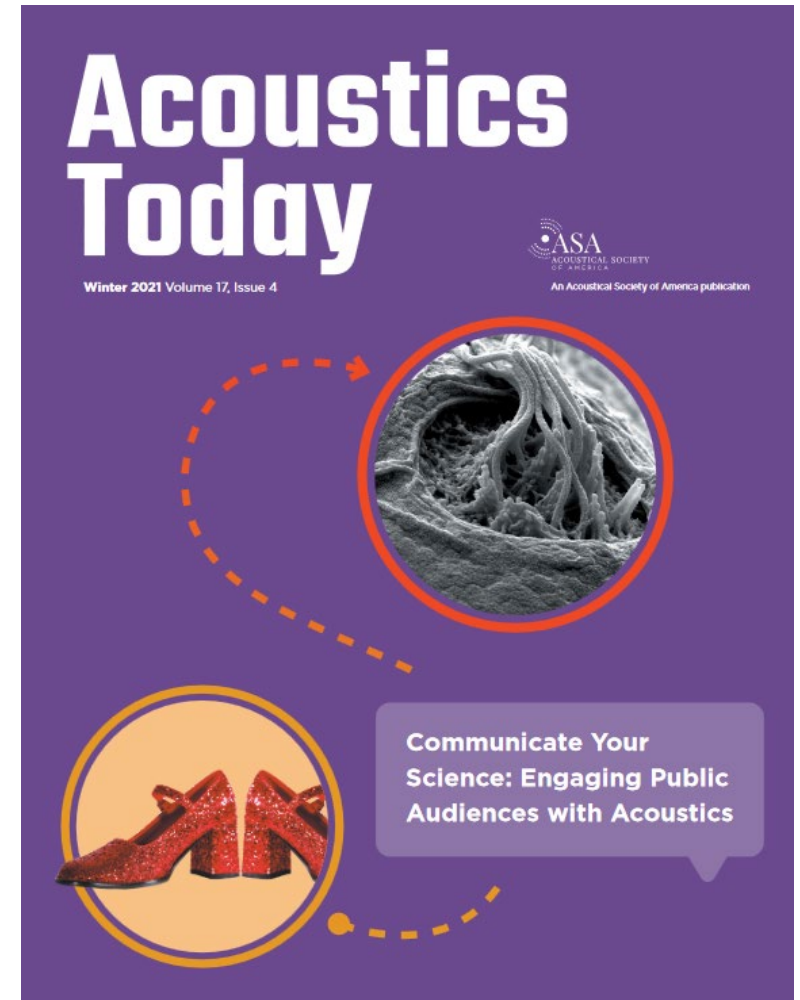
Noise Effect and Criteria – Underwater Sound and Marine Mammals

Science Communication

Soundscapes – Environmental Sound

Underwater Acoustics

Please contact Art Popper if you have ideas for a new P&P Collection [apopper@acousticstoday.org](mailto:apopper@acousticstoday.org)



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# From Technical Council Meeting

## **Committee to Improve Racial Diversity and Inclusivity (Peggy Nelson)**

Summer Undergraduate Research or Internship Experience in Acoustics (SUREIA) was a great success in summer 2021.

It will continue in 2022 and TCs will again contribute technical initiative money.

<https://acousticalsociety.org/suriea/>

## **ASA Summer School (Judy Dubno)**

Will be happening before the Spring meeting in Denver.

## **Technical Initiatives**

We tend not to spend the money that is put aside for technical initiatives each year.

**Let me know now if you have an idea for 2022!**

# ASA Academy

an initiative of Task Force B „Better Engagement of Industry and Practitioners “

Goal for 2024+: Establish the ASA Academy, the center for continuing education in acoustics for industry and practitioners.

Target audience: practitioners, typically non-members, not seeking a graduation. Examples: aircraft engineer seeking knowledge in aerodynamic noise modeling, automotive engineer seeking introductory knowledge on vehicle sound quality, urban planner seeking knowledge on community noise mapping, chemical engineer seeking knowledge on ultrasound for catalysis technology, music teacher seeking information on room acoustics, hearing health, or musical instruments, etc.

Courses usually last between one day and one week. Course models can vary: e.g., webinar, face-to-face, hands-on, etc. Courses can be held where the audience is (near the industry), at ASA meetings, at other meetings, etc.

Current status, planning of pilot courses:

By end of 2021: Identify pilot courses with high potential, estimate management effort, marketing, and costs. Pilot courses to be held in the second half of 2022 or first half of 2023.

We have funding for organizational matters. Organizers/lecturers will receive compensation and are free to design the duration and content of the pilot courses.

**If you are interested to hear more please contact Michael Vorlaender → [mvo@akustik.rwth-aachen.de](mailto:mvo@akustik.rwth-aachen.de)**

# P&P Virtual Journal Club

- 11 successful events since September 2020
- # participants range: 25 – 70
- The organizing committee
  - Current: Erol Ozmeral, Gin Best, Erick Gallun, Anna Diedesch, & Chris Conroy
  - Future: Chris Conroy et al.
- **If you are interested in joining the committee, please contact Erol, Gin, or Chris!**
- <https://tcppasa.org/journal-club/>

## P&P Virtual Journal Club

The P&P Virtual Journal Club is an interactive monthly event which spotlights one article from the most recent issue of JASA. During these meetings, one of the authors of the article provides a brief introduction, before it is opened up for discussion among the participants. The goal of this initiative is to provide a new avenue for interaction within the ASA community, especially now while we have no in-person meetings, and bring attention to recently published work in P&P.

For questions or feedback related to the P&P Virtual Journal Club please contact us at: [journalclub@tcppasa.org](mailto:journalclub@tcppasa.org).

### Featured articles:

- 1) September 1 2020. "Infants' use of isolated and combined temporal cues in speech sound segregation" by Monika-Maria Oster and Lynne Werner.
- 2) September 29 2020. "Binaural spatial adaptation as a mechanism for asymmetric trading of interaural time and level differences" by Travis M. Moore, Erin M. Picou, Benjamin W. Y. Hornsby, Frederick J. Gallun and G. Christopher Stecker.
- 3) October 30 2020. "Attenuation characteristics of an extended-wear hearing aid: Impulse and continuous noise" by Douglas S. Brungart, Nathaniel J. Spencer, Nina Pryor, Nourhan Abouzahra, Elizabeth A. McKenna, and Nandini Iyer.
- 4) December 3 2020. "Informational masking of speech depends on masker spectro-temporal variation but not on its coherence" by Brian Roberts and Robert J. Summers.
- 5) January 23 2021. "How electrically evoked compound action potentials in chronically implanted guinea pigs relate to auditory nerve health and electrode impedance" by Kara C. Schwartz-Leyzac, Deborah J. Colesa, Christopher J. Buswinka, Andrew M. Rabah, Donald L. Swiderski, Yehoash Raphael and Bryan E. Pflugst.
- 6) March 12 2021. "Pitch perception at very high frequencies: On psychometric functions and integration of frequency information" by Hedwig E. Gockel, Brian C. J. Moore and Robert P. Carlyon.
- 7) April 13 2021. "Access to semantic cues does not lead to perceptual restoration of interrupted speech in cochlear-implant users" by Brittany N. Jaekel, Sarah Weinstein, Rochelle S. Newman and Matthew J. Goupell.
- 8) May 20 2021. "Speech intelligibility in a realistic virtual sound environment" by Naim Mansour, Marton Marschall, Tobias May, Adam Westermann and Torsten Dau.
- 9) June 29 2021. "Informational masking in the modulation domain" by Christopher Conroy and Gerald Kidd, Jr.
- 10) August 25 2021. "Effects of interaural decoherence on sensitivity to interaural level differences across frequency" by Andrew Brown and Daniel Tollin.
- 11) November 5 2021. "Humans attend to signal duration but not temporal structure for sound detection: Steady-state versus pulse-train signals" by Beverly Wright and Huanping Dai.