

## **P&P Annual Report - July 2013**

The tradition of the P&P Technical Committee emphasizing the spring meeting over the fall meeting continued, with the fall 2012 meeting in Kansas City, Missouri having only two contributed P&P sessions. These included "Perception and Models" chaired by G. Christopher Stecker and a poster session titled "Physiology and Perception" chaired by Gabriel A. Bargen. The P&P committee also cosponsored two special sessions with other technical committees. These included "Binaural and Spatial Evaluation of Acoustics in Performance Venues," sponsored by Architectural Acoustics and cosponsored by P&P, Engineering Acoustics, and "Noise and Passive and Active Noise Reduction in Hearing Protection" sponsored by Noise and cosponsored by the ASA Committee on Standards and P&P. Michael Heinz presented "Psychological and Physiological Acoustics: From Sound to Neurons to Perception...to Clinical and Engineering Applications" in the special session "Introduction to Technical Committee Research and Activities: Especially for Students and First-Time Meeting Attendees." We thank Tiffany Johnson of the University of Kansas Medical Center for being our representative at the Technical Program Organizing Meeting (TPOM) for the Kansas City meeting.

A larger than usual (for a fall meeting) Technical Committee meeting was held in Kansas City, with the attendance of about 40 participants. New Fellows in P&P were announced including David Eddins, as well as Peter Assmann, William J. Murphy, and Peter Howell who have PP as their secondary area of interest. P&P representatives to other ASA committees and Associate Editors of ASA Publications were thanked. These include Marjorie Leek (Membership), William Hartmann (Medals and Awards), Bill Woods (ASACOS), Elin Roverud (Student Council) and JASA, JASA-EL, and POMA Associate Editors: Carolina Abdala, Karl Grosh, Chris Shera, Emily Buss, John Culling, Torsten Dau, Laurent Demany, Enrique Lopez-Poveda, Michael Stone, Brenda Lonsbury-Martin, Qian-Jie Fu, and Erick Gallun.

Brenda Lonsbury-Martin was thanked for serving as guest editor for a very impressive issue (April 2012) of *Acoustics Today*, which focused on some of the exciting ongoing research in P&P. Brenda thanked the authors for their time and effort in helping to represent P&P to the rest of ASA.

The newly created William and Christine Hartmann Prize in Auditory Neuroscience was announced. It is an annual prize to recognize and honor research that links auditory physiology with auditory perception or behavior (i.e., research that links our two P's). The prize, which includes a cash award and a silver medal, is to be awarded at spring meetings of the ASA where the recipients are also required to deliver the Auditory Neuroscience Prize Lecture. The new P&P website was launched the week before the Kansas City meeting (<http://acosoc.org/TechComm/PPTC/Homepage.html>). The site was presented by Mike Heinz, who with much help from Megan Masterson at Purdue Univ., developed this new site.

The spring meeting in Montreal was a joint meeting including the 21<sup>st</sup> International Congress on Acoustics, the 165<sup>th</sup> Meeting of the Acoustical Society of America and the 52<sup>nd</sup> Meeting of the Canadian Acoustical Association. P&P sponsored seven excellent special

sessions, including “In Memory of Bertram Scharf: Five Decades of Contributions to Auditory Perception” (organized by Mary Florentine, Huanping Dai); “Binaural Hearing and Binaural Techniques I and II” (organized by Janina Fels, Pablo Hoffmann ); “Celebrating a “Long” Career: Explorations of Auditory Physiology and Psychoacoustics” (organized by Jungmee Lee, Elizabeth A. Strickland); “Multimodal Influences on Auditory Spatial Perception” (organized by Shuichi Sakamoto, William L. Martens); “Biomechanics of Hearing” (organized by Sunil Puria); “Computational Modeling of Sensorineural Hearing Loss: Models and Applications” (organized by Michael G. Heinz, Torsten Dau); and “Recent Trends in Psychoacoustics I and II” (organized by Hugo Fastl, Sonoko Kuwano). P&P also sponsored several contributed posted sessions including “Psychoacoustics and Perception”, “Speech, Attention and Impairment”, “Auditory Physiology and Modeling”, and “Binaural Hearing”. P&P cosponsored sessions with other Technical Committees including “Player/Instrument Coupling” with Musical Acoustics; “Adapting, Enhancing, and Fictionalizing Room Acoustics” with Architectural Acoustics and Signal Processing in Acoustics; “Listening in the Natural Environment” with Animal Bioacoustics, Signal Processing in Acoustics, and Noise; “Perceiving Objects” with Animal Bioacoustics; “Learning By Listening: Education in Acoustics Based on Listening” with Education in Acoustics; “Perception and Orchestration” with Musical Acoustics; “Methods and Materials that Improve Speech Intelligibility for the Elderly and Hearing Impaired”, and “Effects of Noise on Human Performance and Comfort”. Hugo Fastl presented a plenary lecture on Tuesday morning to start that day’s technical program, entitled “Basics and applications of psychoacoustics.”

Charlie Liberman was awarded the von Békésy Silver Medal Award in P&P on Wednesday afternoon, “for discoveries regarding coding of sound by the auditory nerve in normal and impaired hearing.”

Tom C.T. Yin was named recipient of the first William and Christine Hartmann Prize in Auditory Neuroscience. The award was presented to Dr. Yin at the Wednesday afternoon plenary session. Tom Yin presented the Auditory Neuroscience Prize Lecture titled “Physiological and behavioral studies of sound localization” earlier in the meeting.

We are grateful to Judy R. Dubno who served with Michael Heinz as our representatives at the TPOM for the Montreal meeting.

At the Technical Committee meeting in Montreal, JASA AEs Torsten Dau and Laurent Demany, who are stepping down as AEs for JASA, were thanked for their valued service. We welcome Leslie R. Bernstein, Virginia Best, Ian Bruce, Frederick J. Gallun, Virginia M. Richards and Elizabeth A. Strickland as new JASA AEs for P&P. New Fellows in P&P were announced including M. Patrick Feeney, Eric W. Healy, and Philip X. Joris. The Technical Committee terms of Michael A. Akeroyd, John H. Grose, Ervin R. Hafter, Walt Jesteadt, Lori J. Leibold, Nicole L. Marrone, Christopher J. Plack, and Pamela E. Souza came to an end, while the 3-year terms of Michael Akeroyd, Richard Freyman, Adrian K.C. Lee, Ruth Litovsky, Ewan MacPherson, Dorea Ruggles, and Chris Stecker began. The TC meeting was used as the venue to elect new members to the P&P Technical Committee, and the following new members were

elected to begin their terms following the Spring 2014 meeting in Providence: Ian Bruce, Hedwig Gockel, Jennifer Lentz, Lynne Werner, Magdalena Wojtczak, and Pavel Zahorik. Thanks to Lori Leibold for running the election. We thank Bill Hartmann, our representative to the Medals and Awards Committee, Marjorie Leek, our representative to the Membership Committee, Bill Woods, our representative to ASACOS (Standards), and Elin Roverud, our outgoing representative to Student Council. Our new Student Council representative is Anna C. Diedesch.

The P&P Technical Initiatives continue unchanged. The initiatives include limited travel support for invited speakers, student receptions, and homepage updating. Suggestions for uses of funds, including innovations such as workshops and satellite meetings, etc., are welcome and should be sent to [mheinz@purdue.edu](mailto:mheinz@purdue.edu).

MICHAEL G. HEINZ  
*Chair, 2011-2014*