

2018 ASA Annual Report
Technical Committee on Noise (TCNS)

During 2016-17, the membership of the Technical Committee on Noise have been active in the Society and been honored to serve. Two members, Patricia Davies and Christopher Struck were honored as Fellows in May 2018. Peggy Nelson was elected to serve as the vice president elect and was a co-chair of the Minneapolis meeting. Scott Sommerfeldt is serving as the vice president. Lily Wang is the current president of the Society. All have been active within TCNS through chairing sessions and helping to organize recent meetings.

TCNS has promoted the development of upcoming talent. This year marks the third year of the Leo and Gabriela Beranek Scholarship in Architectural Acoustics and Noise Control. This year's recipient is Ms. Kieren Smith who is pursuing her Ph.D. in Architectural Engineering Acoustics at University of Nebraska-Lincoln. Kieren is a graduate of Brigham Young University in Physics with a Mathematics minor. In addition, this year is the second year for the Virginia and Frank Winker Memorial Scholarship for Graduate Study in Acoustics. This year's recipient is Mr. Caleb Goates who is pursuing a Master of Science degree in Physics and Astronomy at Brigham Young University. Caleb is also a graduate of the Brigham Young University having earned his Bachelor of Science in Applied Physics. Coincidentally, we note that the advisors for these two scholars are Drs. Lily Wang and Scott Sommerfeldt for Keiren and Caleb, respectively. As the outgoing TCNS Chair, I would encourage faculty at all universities to encourage students to apply for these two scholarships. I, along with the members of the Beranek scholarship committee (Eric Reuter (Chair TCAA), Tony Hoover, Alex Case, Carl Rosenberg) and the Winker scholarship committee (Christopher Struck (ASA Standards Director), Eric Reuter (Chair TCAA), and Ken Walsh (Chair TCEA), have been privileged to review the applications of the students.

TCNS has honored several Young Investigators for the excellent paper that they have presented at the New Orleans and Minneapolis meetings. In New Orleans, Christopher Jasinski presented a paper entitled "Acoustic excitation impact on aerodynamic drag measured in aeroacoustic liners." Jay Bleifnick presented a paper entitled "Evaluating hospital soundscapes to improve patient experience." In Minneapolis, three papers were honored for the Young Investigator awards. Simon Benacchio presented a paper entitled "Acoustical corrections to be used for improved in-ear noise dosimetry measurements." Fabien Bonnet presented a paper entitled "Application of a registration method on magnetic resonance images to evaluate the displacement field of a human subject ear canal to various earplug insertions." Yutong Xue presented a paper entitled "Fibrous material microstructure design for optimal structural damping." Congratulations to each of these young investigators.

One of the new efforts undertaken by the Society and promoted by the TCNS is the International Noise Awareness Day. Brigitte Schulte-Fortkamp championed the outreach for the ASA and Lily Wang organized our participation on April 25. Lily Wang moderated an online Google Hangout discussion with Arlene Bronzaft, Bennett Brooks, William Murphy, Peggy Nelson, and Brigitte Schulte-Fortkamp. The teleconference was recorded and will be posted on the ASA's YouTube channel.

The 174th meeting of the ASA was held in New Orleans with 6 TCNS-led sessions and 66 papers presented. David Woolworth and William Murphy served as the TPOM representatives. The 175th meeting of the ASA was held in Minneapolis. At this meeting, 54 papers were presented in six noise-led sessions. For the Boston Meeting, Peggy Nelson and William Murphy were the TPOM representatives. At both meetings, numerous other sessions were co-sponsored by TCNS.

Thanks to following people who have represented TCNS within the ASA during this time: Kirill Horoshenko and Brigitte Schulte-Fortkamp on the Medals and Awards Committee, Alex Case on the Membership Committee, John Weber on Student Council, Rich Peppin on ASACOS (Committee on Standards), and Christopher Struck, Standards Chair. For the Young Investigator Award, William Murphy coordinated both the New Orleans and Minneapolis meetings. The JASA Associate Editors for Noise are Giovanni Brambilla, Sanford Fidell, Kirill Horoshenkov, Yun Jing, Ray Kirby, Alexandra Lobeau, William Murphy, and Alan Wall. The JASA Express Letters Associate Editor for Noise is Eddie Lau. The Editor for the Proceedings of Meetings in Acoustics is Kent Gee with Alan Wall, Alexandra Lobeau and Cameron Fackler serving as associate editors.

I wish to express my gratitude to the members of TCNS for having had the confidence to allow me to serve as their representative to the Technical Council for the past three years. I am thankful that Scott Sommerfeldt asked me to stand for election. Lily Wang – Thank you for being a joyful servant on the Technical Council. I have had the opportunity to develop procedures and to select the recipients of the Beranek and Winker scholarships. I have enjoyed working with the members of those committees. The past and current presidents and vice presidents of the Society have invested countless hours to ensure that the Acoustical Society of America remains a strong and authoritative source for acoustic knowledge. I look forward to being able to support the incoming TCNS chair, James Phillips. Finally, those who have served in any office within the Society know that at the heart of the ASA is its staff. Elaine, Jolene, Lou, Kelly, Susan, Dan we would owe you a debt that cannot be repaid for your devotion to excellence and service.

William J. Murphy, *Chair*
Technical Committee on Noise
May 2015 – May 2018.