JIAXIN ZHONG

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EDUCATION

University of Technology Sydney — *Sydney, Australia*
PhD. candidate, Centre for Audio, Acoustics and Vibration, Faculty of Engineering and Information Technology — *Mar 2019 – Dec 2021*

Nanjing University — *Nanjing China*
Master of Science, Acoustics, Department of Physics — *Sep 2015 – Jun 2018*
Bachelor of Science, Acoustics, Department of Physics — *Sep 2011 – Jun 2015*

PEER-REVIEWED PUBLICATIONS

Journal Articles

1. **J. Zhong**, S. Wang, R. Kirby, and X. Qiu, "Insertion loss of a thin partition for audio sounds generated by a parametric array loudspeaker," **J. Acoust. Soc. Am.** (in press), (2020).
2. **J. Zhong**, R. Kirby, and X. Qiu, "A spherical expansion for audio sounds generated by a circular parametric array loudspeaker," **J. Acoust. Soc. Am.** 147(5), 3502-3510 (2020).
3. **J. Zhong**, B. Chen, J. Tao, and X. Qiu, "The performance of active noise control systems on ground with two parallel reflecting surfaces," **J. Acoust. Soc. Am.** 147(5), 3397-3407 (2020).
4. **J. Zhong**, R. Kirby, and X. Qiu, "A non-paraxial model for the audio sound behind a non-baffled parametric array loudspeaker (L)," **J. Acoust. Soc. Am.** 147(3), 1577-1580 (2020).
5. **J. Zhong**, J. Tao, and X. Qiu, "Increasing the performance of active noise control systems on ground with two vertical reflecting surfaces with an included angle," **J. Acoust. Soc. Am.** 146(6), 4075-4085 (2019).
6. **J. Zhong**, J. Tao, and X. Qiu, "Increasing the performance of active noise control systems on ground with a finite size vertical reflecting surface," **Appl. Acoust.** 154, 193-200 (2019).
7. **J. Zhong**, J. Tao, F. Niu, and X. Qiu, "Effects of a finite size reflecting disk in sound power measurement," **Appl. Acoust.** 140, 24-29, 2018
8. S. Wang, **J. Zhong**, X. Qiu, and I. Burnett, "A note on using panel diffusers to improve sound field diffusivity in reverberation rooms below 100 Hz," **Appl. Acoust.** 169, 107471, (2020).
9. **J. Zhong**, S. Wang, R. Kirby, and X. Qiu, "Reflection of audio sounds generated by a parametric array loudspeaker," **J. Acoust. Soc. Am.** (under review), (2020).

Conference Papers

1. **J. Zhong**, T. Xiao, B. Halkon, R. Kirby, and X. Qiu, "An experimental study on the active noise control using a parametric array loudspeaker," Inter-Noise 2020, Seoul, Korea, August 23-26, 2020.
2. **J. Zhong**, J. Tao, and X. Qiu, "A numerical study on active noise radiation control systems between two parallel reflecting surfaces," The 18th Asia-Pacific Vibration Conference, Sydney, Australia, November 18-20, 2019.
3. **J. Zhong**, J. Tao, and X. Qiu, "Effects of the finite circular baffle size on the sound power measurements," Inter-Noise 2017, Hong Kong, China, August 27-30, 2017.

SKILLS

- Brüel & Kjær hardware and software, MATLAB, C, Fortran, LaTeX
- Acoustic measurements of sound power, sound insulation, and acoustic parameters of materials
- Languages: Chinese Mandarin (native), English