

1 PEER-REVIEWED PUBLICATIONS:

1.1 Acoustical Publications:

JASA

Peter D'Antonio, Cheol Ho Jeong, and Melanie Nolan (**2018**). “Design of a new test chamber to measure the absorption, diffusion, and scattering coefficients,” J. Acoust. Soc. Am., Vol. 144, 1813.

Peter D'Antonio and Trevor J. Cox (**2017**). “Rapid impedance tube determination of fabric transparency,” J. Acoust. Soc. Am., Vol. 141, 3711.

Trevor J. Cox, Jamie A. Angus and Peter D'Antonio (**2006**). “Ternary and quadriphase sequence diffusers,” J. Acoust. Soc. Am., Vol. 119 (1), 310-319.

Trevor J. Cox, and Peter D'Antonio (**2005**). “Acoustic absorbers and diffusers, theory, design and application,” J. Acoust. Soc. Am. Vol. 117 (3), p988.

Tristan J. Hargreaves, Trevor J. Cox, Y.W. Lam and Peter D'Antonio (**2000**). “Surface diffusion coefficients for room acoustics: Free-field measures, Vol. 108 (4), 1710-1720.

Peter D'Antonio (**1995**). “Performance evaluation of optimized diffusers,” J. Acoust. Soc. Am., Vol. 97 (5), 2937-2941.

Other Acoustics Journals:

T.J. Cox, BIL Dalenback, P. D'Antonio, JJ Embrechts, JY Jeon, E. Mommertz and M. Vorlander (**2006**). “A Tutorial on Scattering and Diffusion Coefficients for Room Acoustic Surfaces,” Acta Acustica united with Acustica, Vol. 92 (1), 1015.

P D'Antonio, TJ Cox (**2000**). “Diffusor application in rooms,” Applied Acoustics, Vol. 60 (2), 113-142.

TJ Cox, P D'Antonio (**2000**). “Acoustic phase gratings for reduced specular reflection.” Applied Acoustics, Vol. 60 (2), 167-186.

T Cox, P D'Antonio (**2003**). “Schroeder diffusers: A review,” Building Acoustics, Vol. 10 (1), 1-32.

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P D'Antonio, T Cox (**1998**). “Two decades of sound diffusor design and development, Part 1: Applications and design,” J. Audio Eng. Soc., Vol. 46 (11), 955-976.

P D'Antonio, T Cox (**1998**). “Two Decades of Sound Diffusor Design and Development, Part 2: Prediction, Measurement, and Characterization.” ,” J. Audio Eng. Soc., Vol. 46 (12), 1075-1091.

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P D'Antonio, J Konnert (**1992**). “The directional scattering coefficient: experimental determination,” J. Audio Eng. Soc., Vol. 40 (12), 997-1017.

P D'Antonio, J Konnert (**1989**). “Complex Time-Response Using Time-Delay Spectrometry,” J. Audio Eng. Soc., Vol. 37 (9), 674-690.

P D'Antonio, J Konnert, F Becker, C Bilello (**1989**). “Sound intensity and interaural cross-correlation measurements using time-delay spectrometry,” J. Audio Eng. Soc., Vol. 37 (9), 659-673.

J Konnert, P D'Antonio, J Borish (**1989**). “Comments on-Diffusing Surfaces in Concert Halls: Boon or Bane?-and Author's Repl,” Journal of the Audio Engineering Society 37 (10), 839-844.

P D'Antonio, JH Konnert (**1984**). “The reflection phase grating diffusor: design theory and application,” J. Audio Eng. Soc., Vol. 32 (4), 228-238.

1.2 Electron, x-ray, neutron and electron microscopy publications:

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2 PROCEEDINGS, INVITED PRESENTATION ABSTRACTS

JASA+ Proceedings/Invited Presentation Abstracts

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P D'Antonio, M Nolan, E Fernandez-Grande (2020). "Design of a new Sound Field Analysis Recorder (SOFAR) for isotropy quantification in reverberation chambers," INTER-NOISE and NOISE-CON Congress and Conference Proceedings 261 (6), 516-524.

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PATENTS:

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WD Lachot, P D'Antonio (**2019**). Hexagonal 2-dimensional reflection phase grating diffuser. US Patent 10,475,436

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