NOISE-CON 2026, Long Beach, CA

PRESENTATIONS OF CLASSIC PAPERS IN NOISE CONTROL SESSION – PAPER LIST

The classic papers for Noise-Con 2026 were selected from highly cited papers published in the Journal of the Acoustical Society of America during the first decade of the Society (1929 to 1939). You must select one of the following papers for your presentation. There may be multiple presentations of the same paper.

I. Hearing, Psychoacoustics, and Noise

1. Laird, D. A. (1930). The effects of noise: A summary of experimental literature. *The Journal of the Acoustical Society of America*, *1*(2), 256–262. https://doi.org/10.1121/1.1915178
2. Stewart, G. W. (1931). Problems suggested by an uncertainty principle in acoustics. *The Journal of the Acoustical Society of America*, *2*(3), 325–329. https://doi.org/10.1121/1.1915259
3. Fletcher, H., & Munson, W. A. (1933). Loudness, its definition, measurement and calculation. *The Journal of the Acoustical Society of America*, *5*(2), 82–108. https://doi.org/10.1121/1.1915637
4. Davis, H. (1935). The electrical phenomena of the cochlea and the auditory nerve. *The Journal of the Acoustical Society of America*, *6*(4), 205–221. https://doi.org/10.1121/1.1915740
5. Watson, N. A. (1938). Limits of audition by bone conduction. *The Journal of the Acoustical Society of America*, *9*(4), 294–300. https://doi.org/10.1121/1.1915936

II. Physical Acoustics & Wave Theory

6. Fay, R. D. (1931). Plane sound waves of finite amplitude. *The Journal of the Acoustical Society of America*, *3*(2), 222–241. https://doi.org/10.1121/1.1915557
7. Lindsay, R. B., & Barnes, F. E. (1936). Filtration of elastic waves in solid rods with membranes as branches. *The Journal of the Acoustical Society of America*, *8*(1), 42-47. https://doi.org/10.1121/1.1915852
8. Knudsen, V. O. (1933). The absorption of sound in air, in oxygen, and in nitrogen—effects of humidity and temperature. *The Journal of the Acoustical Society of America*, *5*(2), 112–121. https://doi.org/10.1121/1.1915638
9. Kimball, A. L. (1936). Theory of transmission of plane sound waves through multiple partitions. *The Journal of the Acoustical Society of America*, *7*(3), 222–224. https://doi.org/10.1121/1.1915810
10. Rettinger, M. (1936). The theory of sound absorption of porous materials, flexible and nonflexible. *The Journal of the Acoustical Society of America*, *8*(1), 53–59. https://doi.org/10.1121/1.1915854
11. Sivian, L. J. (1937). Sound propagation in ducts lined with absorbing materials. *The Journal of the Acoustical Society of America*, *9*(2), 135–140. https://doi.org/10.1121/1.1915917
12. Muller, G. G., Black, R., & Davis, T. E. (1938). The diffraction produced by cylindrical and cubical obstacles and by circular and square plates. *The Journal of the Acoustical Society of America*, *10*(1), 6–13. https://doi.org/10.1121/1.1915950

III. Room & Architectural Acoustics

13. Knudsen, V. O. (1931). Acoustics of music rooms. *The Journal of the Acoustical Society of America*, *2*(4), 434–467. https://doi.org/10.1121/1.1915264

14. Knudsen, V. O. (1931). Reverberation time measurements in coupled rooms. *The Journal of the Acoustical Society of America*, *3*(2A), 181-206. https://doi.org/10.1121/1.1915555

15. Millington, G. (1932). A modified formula for reverberation. *The Journal of the Acoustical Society of America*, *4*(1), 69–82. https://doi.org/10.1121/1.1915588

16. Morris, R. M., & Nixon, G. M. (1936). NBC studio design. *The Journal of the Acoustical Society of America*, *8*(2), 81–90. https://doi.org/10.1121/1.1915880

17. Morreau, C. J. (1938). The insulation of airborne sound—the application of laboratory results to practical building problems. *The Journal of the Acoustical Society of America*, *10*(1), 45-49. https://doi.org/10.1121/1.1915955

IV. Acoustic Measurements & Systems

18. Ballantine, S. (1932). Technique of microphone calibration. *The Journal of the Acoustical Society of America*, *3*(3), 319–360. https://doi.org/10.1121/1.1915566

19. Noyes Jr, A., & Pierce, G. W. (1938). Apparatus for acoustic research in the supersonic frequency range. The Journal of the Acoustical Society of America, 9(3), 205-211. https://doi.org/10.1121/1.1915926

20. Firestone, F. A. (1933). A new analogy between mechanical and electrical systems. *The Journal of the Acoustical Society of America*, *4*(3), 249–267. https://doi.org/10.1121/1.1915605

21. Weinberger, J., Olson, H. F., & Massa, F. (1933). A uni-directional ribbon microphone. *The Journal of the Acoustical Society of America*, *5*(2), 139–147. https://doi.org/10.1121/1.1915641

22. Sivian, L. J. (1935). Acoustic impedance of small orifices. *The Journal of the Acoustical Society of America*, *7*(2), 94–101. https://doi.org/10.1121/1.1915795

V. Musical Acoustics

23. Jones, A. T. (1930). The strike note of bells. *The Journal of the Acoustical Society of America*, *1*(3A), 373-381. https://doi.org/10.1121/1.1915192

24. Saunders, F. A. (1937). The mechanical action of violins. *The Journal of the Acoustical Society of America*, *9*(2), 81-98. https://doi.org/10.1121/1.1915912