

## LIST OF PUBLICATIONS

Dr. Vladimir E. Ostashev

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### BOOKS

- [1] V. E. Ostashev and D. K. Wilson, *Acoustics in Moving Inhomogeneous Media, Second Edition* (CRC Press, 2015).
- [2] V. E. Ostashev, *Acoustics in Moving Inhomogeneous Media* (E & FN SPON, Thompson Professional, London, 1997).
- [3] V. E. Ostashev, *Sound propagation in moving media* (Nauka, Main Editorial Board for Physical and Mathematical Literature, Moscow, 1992).
- [4] V. M. Babich, V. S. Buldyrev, N. S. Grigor'yeva, I. A. Molotkov, and V. E. Ostashev, *Nonstationary problems of the diffraction theory* (Lectures of the 9th All-Union School on Diffraction and Wave Propagation, Kazan Aviation Institute, 1988).

### CONTRIBUTIONS TO BOOKS

- [5] V. E. Ostashev, "Geometrical acoustics in moving media," In: *Sound-Flow Interactions*, pp. 161-170 (Springer Verlag, Lecture Notes in Physics, Berlin, 2002).
- [6] V. E. Ostashev, "Sound propagation and scattering in random moving media," In: *Sound-Flow Interactions*, pp. 169-191 (Springer Verlag, Lecture Notes in Physics, Berlin, 2002).
- [7] V. E. Ostashev, Contributor to section "Acoustics" in: *Dictionary of Pure and Applied Physics* (CRC Press, 2001).

### REVIEWS IN PEER REVIEWED JOURNALS

- [8] V. E. Ostashev, "Sound propagation and scattering in media with random inhomogeneities of sound speed, density and medium velocity (Review article)", *Waves in Random Media* **4**, 403-428 (1994).
- [9] V. E. Ostashev, "Ray Acoustics of Moving Media: A Survey", *Izv. Acad. Scienc. USSR. Atmos. Ocean. Phys.* **25** (9), 661-673 (1989).
- [10] V. E. Ostashev, "Theory of sound propagation in an inhomogeneous moving medium (Review)", *Izv. Acad. Scienc. USSR. Atmos. Ocean. Phys.* **21** (4), 274-285 (1985).

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- [12] D. K. Wilson, C. L. Pettit, and V. E. Ostashev, "Sound Propagation in the Atmospheric Boundary Layer," *Acoustics Today* **11** (2), 44-53 (2015).

- [13] V. E. Ostashev, D. K. Wilson, S. N. Vecherin, and S. L. Collier, “Spatial-temporal coherence of acoustic signals propagating in a refractive, turbulent atmosphere”, *J. Acoust. Soc. Am.* **136** (5), 2414–2431 (2014).
- [14] D. K. Wilson, C. L. Pettit, V. E. Ostashev, and S. N. Vecherin, “Description and quantification of uncertainty in outdoor sound propagation calculations”, *J. Acoust. Soc. Am.* **136** (3), 1013–1028 (2014).
- [15] J. A. Colosi, T. Chandrayadula, A. G. Voronovich, and V. E. Ostashev, “Coupled mode transport theory for sound transmission through an ocean with random sound speed perturbations: Coherence in deep water environments”, *J. Acoust. Soc. Am.* **134** (4), 3119–3133 (2013).
- [16] S. N. Vecherin, V. E. Ostashev, and D. K. Wilson, “Assessment of systematic errors in acoustic tomography of the atmosphere”, *J. Acoust. Soc. Am.* **134** (3), 1802–1813 (2013).
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- [98] V. E. Ostashev, D. K. Wilson, S. Cheinet, and S. Collier, "Space-time correlations in the near-ground atmosphere and their influence on acoustic signals," *Proc. 16th Intern. Symp. on Long Range Sound Propagation*, Oxford, MS (2016).
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