

**CURRICULUM VITAE**  
**Dr. Vladimir E. Ostashev**

• **ACADEMIC DEGREES**

- \* **Doctor of Physical and Mathematical Sciences** *in Physics* (similar to Habilitation in France and Germany). Acoustics Institute, Moscow, Russia, 1992.
- \* **Ph.D.** *in Physics*. Moscow Institute of Physics and Technology, Moscow, Russia, 1979.
- \* **Master Diploma with Honor** *in Physics*. Moscow Institute of Physics and Technology, Moscow, Russia, 1976.

• **EMPLOYMENT**

- \* **Senior Research Scientist**. CIRES/University of Colorado at Boulder and NOAA/ESRL, Boulder, CO. April, 2000 - till now.
- \* **Government Expert**. Signature Physics Branch, CRREL, Hanover, NH, April, 2010 - till now.
- \* **College Professor of Physics**. New Mexico State University, Las Cruces, NM. February, 1996 - 2009.
- \* **NRC Senior Research Associate**. NOAA/Environmental Technology Laboratory, Boulder, CO. May, 1999 - April, 2000.
- \* **Senior Research Scientist, Research Scientist**. Institute of Atmospheric Physics, Russian Academy of Sciences, Moscow, Russia. 1992 - 1993, 1979 -1989.
- \* **Senior Research Scientist**. Acoustics Institute, Moscow, Russia. 1989 - 1993.

• **VISITING POSITIONS**

- \* **Visiting Professor of Physics**. Centre Acoustique, Ecole Centrale de Lyon, Lyon, France. March - April, 2013; January - April, 1999; May - July, 1997; April, 1995; March, 1994.
- \* **Visiting Senior Scientist**. Open University, UK. August, 1995 - January, 1996.
- \* **Guest Professor of Physics**. University of Oldenburg, Oldenburg, Germany. October, 1994 - July, 1995; October, 1993 - February, 1994.
- \* **Visiting Senior Scientist**. Physical Sciences Laboratory, New Mexico State University, Las Cruces, NM. April - September, 1994.
- \* **Visiting Professor of Physics**. University of Mississippi, Oxford, MS. October - December, 1992.

• **RESEARCH EXPERTISE**

- \* Acoustic remote sensing of the atmosphere and ocean.
- \* Acoustics of inhomogeneous moving media.
- \* Atmospheric acoustics.

- \* Acoustic, optic, and EM wave propagation and scattering in random and turbulent media.
- \* Oceanic acoustics.

## • RESEARCH ACHIEVEMENT AND RECOGNITION AWARDS

- \* Elected Visiting Professor, Ecole Centrale de Lyon, France (2013, 1997, 1995, 1994).
- \* Fellow of the Acoustical Society of America (2007).
- \* Associate Editor of the Express Letters of the Journal of the Acoustical Society of America, handling papers on aeroacoustics and atmospheric sound (2006 - present).
- \* Associate Editor of the Journal of the Acoustical Society of America, handling papers on outdoor sound propagation, ocean acoustics, and sound-flow interaction (2005-present).
- \* National Research Council Associateship Award (1999).
- \* Fellowship of the French Ministry of Education and Research, France (1998).
- \* Royal Society Exquota Fellowship, UK (1995).

## • PUBLICATIONS

Total number of scientific publications is **312**, including:

- \* **4** books, with **3** of them published in major international publishing houses.
- \* **3** contributions to books.
- \* **90** papers in peer reviewed journals with international circulation, including **3** review articles.

## • INSTRUMENT DEVELOPMENT

The atmosphere was built at the Boulder Atmospheric Observatory (BAO), Eire, CO. Acoustic tomography is a unique remote sensing technique for reconstruction of the temperature and wind velocity fields, and the heat and momentum fluxes. The BAO array was the only acoustic tomography array in U.S.

## • TEACHING EXPERIENCE

Courses of lectures taught at universities and international schools:

- \* **Geometrical Acoustics in Inhomogeneous Moving Media.** The First International School on Sound Flow Interaction, Cargese, Corsica, France, 2000.
- \* **Sound Propagation in Turbulent Flows.** The First International School on Sound Flow Interaction, Cargese, Corsica, France, 2000.
- \* **Physics 520 and 620: Waves in Random Media.** New Mexico State University, Las Cruces, NM, 1998.
- \* **Sound Propagation and Scattering in Turbulent Media.** The University of Oldenburg, Oldenburg, Germany, 1994 -1995.
- \* **Sound Propagation in Moving Media.** The University of Oldenburg, Oldenburg, Germany, 1993 -1994.
- \* **Outdoor Sound Propagation.** National Center for Physical Acoustics, Oxford, MS, 1992.