LEV A. OSTROVSKY
Professor, Dr. Sci.
Adjunct Professor, Department of Applied Mathematics, University of Colorado at Boulder
Adjunct Professor, Department of Mathematics, University of North Carolina at Chapel Hill
Principal Scientist (Associated), Institute of Applied Physics, Russian Academy of Sciences, Nizhny Novgorod, Russia
E-mail: lev.ostrovsky@gmail.com

Education and academic degrees

Gorky State University, USSR, 1964, Ph.D. in Physics and Mathematics
Andreev Institute of Acoustics, Moscow, USSR, 1973, Doctor of Science, Physics & Mathematics
Full Professor Diploma, USSR, 1979

Professional activities and affiliations

2016-present: Adjunct Professor, Department of Applied Mathematics, University of Colorado at Boulder
2016 -present: Adjunct Professor, Department of Mathematics, University of North Carolina, Chapel Hill
2001- 2016: Senior Scientist, Zel Technologies, LLC, Boulder, CO
1994-2001: Senior Research Associate/Professor, CIRES, University of Colorado at Boulder/NOAA Environmental Technology Laboratory, Boulder, CO
1977-1994: Laboratory Head and Principal Scientist, Institute of Applied Physics, Russian Academy of Sciences, Nizhny Novgorod, Russia
1979-1994: Professor, Department of Radiophysics, Nizhny Novgorod University (part-time).
1993-1994: Visiting Scientist, Department of Mechanical Engineering, Johns Hopkins University, Baltimore, MD (6 months)
PI, CO-PI, and participant in several research projects.

Teaching experience

The following graduate and senior undergraduate major courses have been designed and taught: Nonlinear waves; Fluid mechanics; Nonlinear acoustics; Ocean dynamics; Modulated waves; Electromagnetic field theory. Have been in charge of numerous workshops for young scientists and for high-school student outreach programs
Supervision of graduate students*:* 18 students obtained a Ph.D. degree in physics and mathematics, 12 of them then awarded the Doctor of Science Degree. More than 30 students obtained the MS/BS degree

Honors

- Lagrange Award of the Conference on Nonlinear Science and Complexity, 2010
- Mandelstam Prize of Russian Academy of Sciences, 2009
- London Mathematical Society's Grants, 2004 and 2008
- Orson Andersen Distinguished Fellowship, Institute of Geophysics and Planetary Physics, Los Alamos National Laboratory, Los Alamos, NM, November 1998 - June 1999
- Fellow of the Acoustical Society of America, 1991-
- The USSR State Prize Laureate, 1985

- USSR Discovery Certificate, 1982

Professional membership

-Fellow of the Acoustical Society of America
-Member of the American Geophysical Union, European Geophysical Society; Russian Acoustical Society
- Co-Editor of scientific journals: CHAOS; Acoustical Physics (International Advisory Board); Discontinuity, Nonlinearity, and Complexity
- Member of Program Committees, Session Convener, and Invited Speaker at numerous international conferences and symposia
- Reviewer for many leading scientific journals

Invited visiting positions

Loughborough University, UK (2008 and 2004); University College of London, UK (2008 and 2004); China Ship Scientific Research Center (CSSRC, 2001); Oslo University, Norway (2001); Los Alamos National Laboratory (1998-1999 and 2014); Monash University, Australia (Regularly from 1994 to1999); Johns Hopkins University, Baltimore, MD (1993-1994); MIT, Cambridge, MA (1992); University of Pierre and Marie Curie, Paris, France (1991); University of Texas at Austin, USA (1991); Cambridge University, UK (1989, 1991)

Publications and inventions (over 350 total)

Books

Asymptotic Perturbation Theory of Waves, Imperial College, London, 2015
Introduction to the Theory of Modulated Waves (with A. Potapov), Fizmatlit, Moscow, 2003 (in Russian)
Modulated Waves: Theory and Applications (with A. I. Potapov), Johns Hopkins University Press, Baltimore-London, 1999
Nonlinear Wave Processes in Acoustics (with K. A. Naugolnykh), Cambridge University Press, 1998

Book Chapters and other publications

About 10 book chapters
3 Student Workbooks
Discovery Certificate, “A phenomenon of self-compression of wave packets in nonlinear dispersive media with the formation of envelope solitons and envelope shocks,” 1982
11 Invention Certificates (Russian patents)
Editor of 4 Collections of papers issued by the American Institute of Physics and the Institute of Applied Physics
Editor of 3 published Russian translations of American scientific books and of a specialty dictionary
Over 350 published original and review papers