

CURRICULUM VITAE
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EDUCATION:

Ph.D. in Theoretical Physics, April 1977, Moscow Institute of Physics and Technology and the Lebedev Physical Institute of the Academy of Sciences of the USSR (Advisors Prof. Leonid M. Ozernoy and Nobel Prize Winner (2003) Acad. Vitaly L. Ginsburg)

M.S. in Theoretical Physics, July 1973, General and Applied Physics Department of the Moscow Institute of Physics and Technology, USSR (Advisor Dr. Vladimir N. Sazonov)

B.S. in Radiophysics, July 1971, Radiophysics Department of the Moscow Institute of Physics and Technology, USSR

POSITIONS:

April 2004 – Present Staff Scientist, Laboratory of Integrative and Medical Biophysics, NICHD, National Institutes of Health, Bethesda, Maryland

March 2000 – April 2004 Senior Research Fellow, Laboratory of Integrative and Medical Biophysics, NICHD, National Institutes of Health, Bethesda, Maryland

October 1997 – March 2000 Contractor -consultant, Laboratory of Integrative and Medical Biophysics, NICHD, National Institutes of Health, Bethesda, Maryland

September 1995 - October 1997 Contractor -consultant, Physical Sciences Laboratory, DCRT, National Institutes of Health, Bethesda, Maryland

December 1991 - June 1995 Senior Scientist, Head of Research Group, Scientific Council on Cybernetics, Russian Academy of Sciences, Moscow, Russia

November 1989 - November 1991 Senior Scientist, Head of Research Group, Computer-Aided Design Institute, Academy of Sciences of the USSR, Moscow, USSR

October 1981 - November 1989 Senior Research Fellow, Head of the Research Group in Almaz State Corporation, Moscow, USSR

October 1976 - October 1981 Junior Research Fellow in Almaz State Corporation, Moscow, USSR

September 1973 - September 1976 Post Graduate Course in Theoretical Physics and Astrophysics, Department of General and Applied Physics, the Moscow Institute of Physics and Technology

September 1971- June 1973 Undergraduate student research program, Department of Theoretical Physics, The Lebedev Physical Institute, Academy of Sciences of the USSR

HONORS:

Diploma of the graduation from the Moscow Institute of Physics and Technology with the special distinction, June 1973.

Special State Medal for the most distinguished students of high schools, June 1966

REVIEWER FOR:

Optical-MRI SBIR Applications Committee,
BAA, NCI Committee (Novel Technologies for Noninvasive Detection, Diagnosis and Treatment of Cancer)

Optics Letters,
Applied Optics,
Physics in Medicine and Biology,
Journal of Biomedical Optics,
Physical Review,
Applied Physics Letters

SECTION CHAIR AT

Annual Meeting of the Optical Society of America
Annual International Conference of the IEEE Engineering in Medicine and Biology Society

INVITED SPEAKER AT:

- International Conference, SPIE Workshop on Coherent Optics of Ordered and Random Media VI, Saratov, Russia, 2005
- International Conference on Advanced Laser Technologies (Focused on Biomedical Optics), Silsoe, UK
- Special Seminar, University College London, September 2003, London, UK
- International Symposium on Biomedical Optics (BiOS '03), 2003, San Jose, California USA
- Third Inter-Institute Workshop on Diagnostic Optical Imaging and Spectroscopy: The Clinical Adventure, NIH, September 2002, Bethesda, MD
- International Quantum Electronics Conference, 2002, Moscow, Russia
- Advances in Optical Imaging, Photon Migration and Tissue Optics, 2002, Miami Beach, FL, USA
- International Symposium on Biomedical Optics (BiOS '02), 2002, San Jose, California USA
- Special Seminar, University of Florence, June 2001, Florence, Italy
- Special Seminar, University of Naples, July 2001, Naples, Italy
- International Symposium on Biomedical Optics (BiOS '01), 2001, San Jose, California USA
- Advances in Optical Imaging, Photon Migration and Tissue Optics, 2000, Miami Beach, FL, USA

- Inter-Institute Workshop on *In Vivo* Optical Imaging at the NIH, September 1999, Bethesda, MD
- Special Seminar, University of Florence, June 1999, Florence, Italy
- Special Seminar, University of Naples, June 1999, Naples, Italy
- Advances in Optical Imaging, Photon Migration and Tissue Optics, 1999, Munich, Germany
- International Symposium on Biomedical Optics (BiOS '99), 1999, San Jose, California USA
- ESO Workshop on QSO Absorption Lines, November 1994, ESO, Garching bei Munchen, Germany
- 182 Meeting of American Astronomical Society, June 1993, Berkeley, CA, USA
- Special Seminar, University of California, Irvine, June 1993, Irvine, CA, USA
- Special Seminar, University of California, San Diego, June 1993, La Jolla, CA, USA
- Cosmological Seminar of the Institute for Advanced Cosmological Studies, Goddard Space Flight Center, NASA, April 1993, Greenbelt, MD, USA
- Special Seminar of the Department of Astronomy, Columbia University, May 1993, New York, NY, USA
- Cosmological Seminar of the Institute for Advanced Cosmological Studies, Goddard Space Flight Center, NASA, March 1992, Greenbelt, MD, USA
- 6th World Congress on Ultrasound in Medicine and Biology, 1991, Copenhagen, Denmark
- Symposium on Ultrasound in Biomeasurements, Diagnostics and Therapy, September 1990, Madralin, Poland
- International Astronomical Union Symposium N79. "Large scale of the Universe". 1977. Tallin., USSR.

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3. L.M. Ozernoy and V.V. Chernomordik "On the production of Deuterium and Helium-3 in active galactic nuclei" *Soviet Astronomy* v. 19, pp.693-700,1975.
4. L.M. Ozernoy and V.V. Chernomordik "Bright phase in the evolution of galaxies and ionization of intergalactic gas" *Soviet Astronomy* v. 20, pp.260-273, 1976.
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10. L.M. Ozernoy and V.V. Chernomordik "Unsaturated character of the La absorption line observed from cosmic voids" *Astron Tsirc.of the USSR Academy of Sciences*, v. 1407, pp. 1-3, 1985.
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Workshop held at Garching, Germany, November 1994, ed. G. Meylan, (Springer-Verlag), 343.

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