

Andrey K. Morozov

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EDUCATION

MS from Moscow Power Engineering Institute (Technical University) . Radio Engineering Department (Radiophysics), N 443465, February 1975.

MS from M.V.Lomonosov Moscow State University, Faculty of Mechanics and Mathematics (Applied Mathematics), N 236220, June 1984.

Ph.D. degree Moscow Power Engineering Institute (Technical University), N 051165; Title of Ph.D: Underwater Acoustic Communications, May 1981

Senior Scientist degree (Communication theory) Moscow Power Engineering Institute (Technical University) , N 045761, July 1986

BACKGROUND

March 1975 - November 1987, Junior scientific researcher, post-graduated student, senior scientific researcher, deputy chief of Radio-system chair of Moscow Power Engineering Institute (Technical University)

December 1987 - September 1999, Senior and then leading scientific researcher of P.P.Shirshov Institute of Oceanology , Russian Academy of Sciences .

January 1998 –July 1999, visiting professor Kyushu University , Research Institute for Applied Mechanics Fukuoka, Japan

September 1999 -present Chief scientist, Teledyne WR , Falmouth, USA. Research Associate III, Applied Ocean Physics & Engineering Department , Woods Hole Oceanographic Institution , Woods Hole, MA

EXPERIENCE

Teaching experience: many years in a technical universities. Themes of lectures and practical studies: digital signal processing, communication systems.

Research experience: 30 years in universities Japan, USA, Russian Federation and in Russian Academy of Sciences.

Management experience: head of scientific group, head of scientific expedition, head of scientific department, secretary of scientific voyage.

Field works experience: 16 scientific voyages and expeditions in Arctic, Atlantic and Pacific oceans, in Black, White and Japan seas.

RESEARCH INTERESTS

Remote sensing, underwater acoustics, ocean acoustic tomography and communications, experimental ocean engineering, signal and data processing, communication theory, optoacoustics.

SKILLS

Languages: native Russian, English

Computer: C/C++, Fortran, Matlab, Femlab, DSP programming.

Engineering: communication systems, ocean engineering.

PUBLICATIONS and PRESENTATIONS Journal papers:

1. A. K. Morozov, D. C. Webb, Underwater tunable organ-pipe sound source, J. Acoust. Soc. Am. 122 2, August 2007, pp 777-785.
2. A. K. Morozov J. A. Colosi, Stochastic Differential Equation Analysis for Sound Scattering by Random Internal Waves in the Ocean, Acoustical Physics, 2007, Vol. 53, No. 3, pp. 335-347
3. Morozov A.K., Colosi J.A. Entropy and scintillation analysis of acoustical beam propagation through ocean internal waves. JASA, 117(3), Pt. 2 March 2005, pp. 1611-1623.
4. Egerev S.V., Morozov A.K., Lyamshev L.M. Laser sound technique for the remote control of underwater oceanographic instrumentation, ACTA ACUSTICA united with ACUSTICA, Vol. 90, No 2, 2004, pp. 263-271.
5. Morozov A.K., Webb D.C. A sound projector for acoustic tomography and global ocean monitoring. (invited paper) IEEE Journal of Oceanic Engineering. Vol. 28, No 2, April 2003, pp. 174-185.
6. Morozov A.K. Pseudocoherent accumulation of pulse response of hydroacoustic channel in processing of pseudonoise signals in the THETIS-II experiment. Acoustical Physics Vol. 42, No 6, 1996, pp. 733-738.
7. Egerev S.V., Lyamshev L.M., Morozov A.K., Pashin A.E. An optoacoustical channel for remote control of underwater oceanological instrumentation. Oceanology Vol. 36, No 2, 1996, pp. 291-295.
8. Derevnin V.A., Morozov A.K. Self-contained buoys with hydroacoustic systems for remote measuring and control. Oceanology Vol. 35, No 4, 1996, pp. 582-586.
9. Kuryanov B.F., Morozov A.K., Timashkevich G.K. Acoustic tomography of internal waves in the ocean. Acoustical Physics, Vol. 41, No 1, 1995, pp. 96-99.
10. Morozov A.K., Derevnin V.A. Use of broadband signals in underwater sound telemetry and remote control systems in autonomous oceanological stations, Acoustical Physics, Vol. 40, No 3, 1994, pp. 420-421.

11. Morozov A.K., Stepin V.A., Characteristics of wideband cascade constructions in multipath channel with Rice fading. Soviet Journal of Communications Technology and Electronics, 1992, v.37, N.16, pp. 76-81.
12. Morozov A.K., Stepin V.A. The characteristics of modulation coding system on the basis of pseudonoise signal ensemble and Reed-Solomon codes in multipath channel with Rice fading, (Russian) Izvestiya vysshikh uchebnykh zavedenii seriya radioelektronika. (English translation in Radio Electronics and Communications Systems) 1991, v.34, N.11, pp.50-53.
13. Morozov A.K., Stepin V.A. Optimal parameters of modulation coding system on the base of orthogonal broadband signals and Reed-Solomon codes in multipath channel with Rayleigh fading, (Russian) Radiotekhnicheskie tetradi, Proceedings of Radiotechnical Department of Moscow Power Engineering Institute, Moscow, 1991, N.1 pp. 31-33.
14. Morozov A.K., Golovkin D.A., Stepin B.A. Information transmission with the help of broadband recurrent signals on the base of matrix in a form of Kronecker power. Proceedings of Moscow Power Engineering Institute, 1991, N. 639, pp. 97-102.
15. Morozov A.K., Stepin V.A. Boundary for generalized code distance in channel with reflections without fading. Proceedings of Moscow Power Engineering Institute, 1991, N. 639, pp. 102-107.
16. Morozov A.K., The upper boundary for reception error probability of signals on the base of blocks and recurrent codes, (Russian) Izvestiya vysshikh uchebnykh zavedenii seriya radioelektronika. (English translation in Radio Electronics and Communications Systems) 1990, v.33, N.1, pp. 48-52.
17. Morozov A.K., Reception of recurrent signals in multipath channel by means of Viterbi algorithm, Soviet Journal of Communications Technology and Electronics, v.34, 16, 1989, p.1-7
18. Morozov A.K., Kolmogorov A.N., Comparison of block and recurrent signals in low-speed multiple-beam channel having fast fading and unrestricted bandwidth, Radioelectronics and communications systems, v.32, 5, 1989, p.6-10
19. Morozov A.K. Penin P.I. Microprocessors and microcomputer application in digital communication systems. Moscow, Moscow Power Engineering Institute, student manual, 1989.
20. Morozov A.K., The reliability of recurrent signal reception with an ideal estimate of channel parameters, Telecommunications and radio engineering, v.44, 7, 1989, p.80-83
21. Morozov A.K., Correlation properties of a sequence of recurrent signals. (Russian) Izvestiya vysshikh uchebnykh zavedenii seriya radioelektronika. (English translation in Radio Electronics and Communications Systems) 1988, n.11, pp.59-62.
22. Lazareva L.L., Morozov A.K., Penin P.I., Complex signals based on correlating codes and evaluation of their noise immunity in multibeam channels, Telecommunications and radio engineering, v.43, 12, 1988, p.99-102
23. Morozov A.K., Kolmogorov A.N., Noise immunity of reception wide-band recurrent phase-manipulated signals in multipath channel, Soviet journal of communications technology and electronics, v.33, 4, 1988, p.122-128

24. Morozov A.K., Digital data transmission over a stationary stochastic channel with uncorrelated paths using recursive spread-spectrum signals, Soviet journal of communications technology and electronics, v.33, 2, 1988, p.100-107
25. Morozov A.K., Nefedov V.O., Tuzikov V.A. Graphical description of sequences of orthogonal recurrent signals. (Russian) Proceedings of Moscow Power Engineering Institute N. 157, 1988, pp. 86-91
26. Morozov A.K., Semenov B.B., Kholmogorov A.N. A system for transfer of oceanological data from an oceanological research buoy station. Oceanology, 1987, vol.27, No.3, pp. 391-396.
27. Morozov A.K. Kholmogorov A.N. Digital processing of recurrent PM signals in stochastic multipath channels (Russian) Proceedings of Moscow Power Engineering Institute 1987, N.129. pp. 80-84.
28. Morozov A.K. Optimum processing of recurrent signals in multipath channel (Russian) Izvestiya vysshikh uchebnykh zavedenii seriya radioelektronika. (English translation in Radio Electronics and Communications Systems) 1986, v.29, N.1, pp. 3-7.
29. Morozov A.K., Penin P.I. Peculiarity of optimum reception of digital messages in channel with reflections. (Russian) Izvestiya vysshikh uchebnykh zavedenii seriya radioelektronika. (English translation in Radio Electronics and Communications Systems) 1986, v.29, N.11, pp. 3-7.
30. Morozov A.K., Shmelev V.A. Optimal reception of PIM-AM signals in a channel with random time scale changes, (Russian) Proceedings of Moscow Power Engineering Institute 1986, N.94, pp 5-9.
31. Morozov A.K., Litzarev N.A. Adaptive array for the separation of signals arriving from different directions. (Russian) Radiotekhnika (English translation in Telecommunications and Radio Engineering) v.9, 1985, pp. 66-69.
32. Morozov A.K., Lazareva L.L., Penin P.I., Tuzikov V.A. Digital signal reception in channels with scattering. (Russian), Proceedings of Moscow Power Engineering Institute 1982, v.593, pp.52-56.
33. Morozov A.K., Penin P.I. Incoherent reception noise-immunity of PM binary signals with fast fading. (Russian), Proceedings of Moscow Power Engineering Institute 1981, v.516, pp.3-7.
34. Morozov A.K. Acoustic signals reflected from the sea surface scattering function analysis. (Russian), Acoustic methods and equipment of the ocean exploration, proceedings of Far East Poly-Technical Institute, Vladivostok, 1981, pp.89-92.
35. Morozov A.K., Kodanov V.P., Kononov E.D., Penin P.I., Tsvelev E.I. About ultrasonic scattering in inhomogeneous sea medium, (Russian), Proceedings of Moscow Power Engineering Institute 1981, v.514/1, pp.114-119.
36. Morozov A. K., Kodanov V.P., Penin P.I., Tsvelev E.I. Some experimental results of the acoustic signals deformation during the sea surface reflection. (Russian), Proceedings of Moscow Power Engineering Institute 1981, v.515/1, pp.110-114.

37. Morozov A.K. Optimal noise-immunity of signals with different kinds of modulation in a line of sight scattering channels. (Russian), Proceedings of Moscow Power Engineering Institute 1980, v.467, pp.54-58.
38. Morozov A.K. Correlation receiver of phase modulated signals in a channel with reflections, (Russian), Proceedings of Moscow Power Engineering Institute 1980, v.467, pp. 49-53.
39. Morozov A.K. Correlation of field in a random dissipative medium with random boundaries. (Russian), Proceedings of Moscow Power Engineering Institute 1979, v.418, pp.36-39.
40. Morozov A.K. Frequency-spatial cross correlation of a field in random inhomogeneous medium. (Russian), Proceedings of Moscow Power Engineering Institute 1977, v.334, pp.137-138.
41. Morozov A.K. Optimization of reception for the binary PM signals in the channel with scattering. (Russian), Proceedings of Moscow Power Engineering Institute 1976, v.295, pp.3-6.
42. Morozov A.K., Biryukov Yu.A. Scattering process investigation in a digital channel with inhomogeneous medium. (Russian), Proceedings of Moscow Power Engineering Institute 1975, v.215, pp.10-17.
43. Morozov A.K., Biryukov Yu.A. Calculation of scattering noise dispersion in information channels. (Russian), Proceedings of Moscow Power Engineering Institute 1975, v.215/2, pp.16-24.
44. Morozov A.K., Biryukov Yu.A. Optimal noise immunity of PM signals in a line of sight channels with scattering. (Russian), Proceedings of Moscow Institute of Radioengineering, Electronics and Automation 1975, v.83, 50-59.
45. Morozov A.K., Penin P.I., Khzmalian A.D. Information channels with frequency-dependent characteristics simulation. (Russian), Proceedings of Moscow Power Engineering Institute 1974, v.180, pp.11-12.

Other publications and proceedings

1. Morozov A.K., Preisig J.C., Papp J., Investigation of Modal Processing for Low Frequency Acoustic Communications in Shallow Water. Acoustics'08 Paris, 29 June - 4 July 2008.
2. Duda T.F., Morozov A.K., Howe B.M., Brown M.G., Speer K., Lazarevich P., Worcester P.F., Cornuelle B.D. Evaluation of a Long-Range Joint Acoustic Navigation / Thermometry System, *Proceedings of Oceans 2006*.
3. Morozov, A.K., Preisig, J.C., Underwater acoustic communications with multi-carrier modulation, *Proceedings of Oceans 2006*.
4. Colosi J. A., Morozov A. K., A linear theory of internal tide beam disintegration from stochastic ocean density structure *Eos Trans. AGU*, 87(36), Ocean Sci. Meet. Suppl., Abstract OS22I-05 (2006)

5. Morozov A.K., Colosi J.A Stochastic differential equation analysis for ocean acoustic energy scattering by internal waves J. Acoust. Soc. Am. 119, 3344 (2006)
6. Morozov A.K., Webb D.C. Underwater sound source with tunable resonator for ocean acoustic tomography J. Acoust. Soc. Am. 116, 2635 (2004)
7. Morozov A.K., Colosi J.A. Entropy of Acoustical Beams in a Random Ocean. Proceedings of Oceans 2003 September 22-26, 2003.
8. Webb D.C., Morozov A.K., Ensign T.H. A new approach to low frequency wide-band projector design. Proceedings of Oceans 2002 October 29-31, 2002. pp. 2342-2349.
9. Morozov A.K., Snegovoy A.A., Tischenko S.V. The new method of the numerical ray tracing for waves propagating in 3D-inhomogeneous isotropic medium Symposium Theory of partial differential equations and special topics of theory of ordinary differential dedicated to 150th anniversary of birthday of Sofia V. Kovalevskaya St. Petersburg, Russia May 11-15, 2000
10. Morozov A.K., Yoon J.-H. Project of acoustic tomography experiment In Japan Sea. Proceedings of International Symposium on Circulation Research of the East Asian Marginal Seas- CREAMS'99 January 25-29 1999, Fukuoka, Japan.
11. Morozov A.K. Acoustical array application in sea experiments, Proceedings of Workshop "New Concepts in Ocean, Atmosphere, and Sea Floor Sensor Technologies for Gas Hydrate Investigations and Research" Biloxi, Mississippi, March 22-26, 1999, pp. 105-114.
12. Morozov A.K. Underwater acoustic tomography of Japan Sea Newsletters N 2 of Dynamics Simulation Research Center, Research Institute for Applied Mechanics, Kyushu University, Fukuoka, Japan, 30.4.1999 , p. 4.
13. Egerev S.V., Morozov A.K. Optoacoustic technique for Remote Control of underwater oceanographic instrumentation. Proceedings of 137th Acoustical Society of America meeting, Berlin, Germany, 14-19 March 1999, JASA v. 105, N2, Pt. 2 February, 1999, p.1170
14. Morozov A.K. Underwater acoustic tomography of Japan Sea Newsletters N 1 of Dynamics Simulation Research Center, Research Institute for Applied Mechanics, Kyushu University, Fukuoka, Japan, 30.4.1998, p. 4.
15. Morozov A.K., Derevnin V.A. Oceanology controlled buoyancy buoys with digital acoustic communication. Proceedings of MTS Ocean Community Conference '98, USA, Baltimore, Maryland, November 16-19, 1998. pp. 666-670.
16. Utyakov L.L., Morozov A.K., Derevnin V.A. Bottom stations and buoys for ocean exploration. Proceedings of the IV International Scientific and Technical Conference "Modern methods and facilities in oceanological investigations", Moscow, 1998, pp.55-62.
17. Morozov A.K. Application of pseudorandom phase-manipulated signals in mobile acoustic communication channels at strong Doppler effect. Proceedings of the IV International Scientific and Technical Conference "Modern methods and facilities in oceanological investigations", Moscow, 1998, p. 98.

18. Morozov A.K., Yoon J.-H. Fundamental limit for precision and resolution of acoustic tomography. Proceeding of Fall Meeting of Oceanographic Society of Japan. September 25-29 Kyoto-city, 1998, p.250.
19. Derevnin V.A., Morozov A.K., Stepin V.A. Oceanology controlled buoyancy autonomous buoys. Oceans'98, Conference proceeding v.3, 28 September -1 October, 1998, Nice, France pp.1812-1816.
20. Morozov A.K., Stromkov A.À. Phase-difference methods in underwater acoustic signal processing, Proceeding of 4th European Conference on Underwater Acoustics, Rome, Italy, 21-25 September, 1998 pp. 75-80
21. Morozov A.K. Decomposition of energy of pseudonoise phase-manipulated signals received from multielement acoustic array on delay angle plane Ocean Acoustic school-seminar L.M.Brekhovskikh and VII session of Russian Acoustical Society, Moscow, Russia 25-28 May 1998, pp. 37-41.
22. Morozov A.K. Decomposition of energy of pseudonoise phase-manipulated signals from multielement acoustic array on delay angle plane The 4th Pacific Ocean Remote Sensing Conference (PORSEC'98), Qingdao, China July 28-31, 1998, 725-727.
23. Egerev S.V., Morozov A.K. Laser sound technique for remote control of underwater oceanology instrumentation, Book of Abstracts, 10th International Conference on Photoacoustic and Photothermal Phenomena (10ICPPP), Rome, Italy, 1998, pp. 77 - 78
24. Egerev S.V., Morozov A.K. Laser sound technique for remote control of underwater oceanology instrumentation, 3rd Workshop on Photoacoustics and Photothermics within 27th Winter school on Molecular and Quantum Acoustics held by Polish Acoustic Society, 23-27 February, 1998, Ustron, Poland.
25. Kuryanov B.F., Morozov A.K. Local Acoustic Tomography of Dynamical Processes in the Ocean. Proceedings of International Workshop on Shallow-Water Acoustics. San Francisco, CA, December, 1997.
26. Derevnin V.A., Morozov A.K., Stepin V.A. Autonomous cyclical buoy. Proceedings of the III International Scientific and Technical Conference Modern Methods and Facilities in Oceanological Investigations, P.P.Shirshov Institute of Oceanology Russian Academy of Sciences, Moscow, 1997, pp 71-72
27. Derevnin V.A., Kuryanov B.F., Morozov A.K. Autonomous acoustic facilities and methods for remote research of mesoscale processes in ocean. Proceedings of the III International Scientific and Technical Conference Modern Methods and Facilities in Oceanological Investigations, P.P.Shirshov Institute of Oceanology Russian Academy of Sciences, Moscow, 1997, pp 85-88
28. Chen G., Morozov A.K., Bao J. A processing method of complex phase manipulated signal and its application to shallow water acoustical channel, International Conference on Shallow-Water Acoustics, SWAC'97, Beijing, China 21-25 April 1997, pp. 559-564.
29. Kuryanov B.F., Morozov A.K. Acoustic tomography of internal waves caused by tides near underwater mount in Atlantic Ocean. Proceedings of the Third European Conference on Underwater Acoustics Heraklion, Crete, Greece, 24-28 July, 1996, vol. 2, pp. 833-838.

30. Fokin V.N., Fokina M.S. Morozov A.K. Possibility of bottom-layer parameter reconstruction using acoustic signals of the THETIS-2 experiment. ASA 132nd meeting - Hawaii, December 1996. J. Acoust. Soc. Am. 100, 2614 p., 1996.
31. Derevnin V.A., Kuryanov B.F., Morozov A.K. Acoustic tomography of small-scale ocean nonhomogeneity. Proceedings of IV Workshop on Circulation Research of the East Asian Marginal Seas (CREAMS-96) Vladivostok February 12-13, 1996, pp. 211-216.
32. Morozov A.K. The sequential analysis application in the problem of estimation of stochastic channel impulse response. OCEANS'95 MTS/IEEE Proceedings 1995, "Challenges of Our Changing Global Environment", vol. 2, pp. 1049-1053.
33. Morozov A.K., Derevnin V.A. Broadband signal application in hydro-acoustic telemetry and remote control system of autonomous oceanology stations. II Session of Russian Acoustical Society Acoustical Media Monitoring. N.N.Andreev Acoustical Institute. Moscow, May 24-27. 1993, pp. 151-153.
34. Kuryanov B.F., Morozov A.K. "Acoustic Communication System with Broadband Phasemanipulated Signals". Proceedings of the Institute of Acoustics, University of Birmingham. United Kingdom Vol. 15, Number 9, 1993, pp 160-167.
35. Morozov A.K., Snegovoy A.A., Tischenko S.V. "Method of Numerical Ray Tracing for Waves Propagation in 3D Inhomogeneous Isotropic Medium", International Symposium on Computation Tomography CT-93, Novosibirsk, August 9-14, 1993, 336-343 pp., published in the book Computerized Tomography, Netherlands, 1995 396 p.
36. Morozov A.K., Nefedov V.O., Finatiev A.Y., Kholmogorov A.N. "Acoustic experimental measurement complex for the research of the ocean. Achievement of educational institutes scientists in research work." Moscow. Exhibition of Achievements of National Industry. Prospectus, 1988.
37. Morozov A.K., Semenov B.B., Kholmogorov A.N., Finatiev A.Y. Hydroacoustical communication channel with neutral buoyancy buoy Proceedings (Russian). III Congress of Soviet Oceanologists. Acoustics and optics of the ocean. Leningrad. December 1987. pp. 79-81.
38. Morozov A.K., Golovkin D.A. Random Markov signals optimal detection. (Russian), Fifth Moscow conference of young scientists and professionals on increasing of reliability, efficiency and power of energetic, electro-technique, and radio-technique equipment, Proceedings, Jan.13-Feb.4, 1983, v.2, p.8.
39. Morozov A.K., Penin P.I., Tsvelev E.A. Influence of sea surface reflection on noise-stability and information rate of digital communication. (Russian), Third Far East Acoustic conference 'Human and Ocean', Proceedings, Vladivostok, 1982, pp.67-70.
40. Morozov A.K. Noise-immunity of an incoherent receiver of phase manipulated signals in the channel with reflection. (Russian), Fourth Moscow science-technique conference of young scientists and professionals on increasing of reliability, efficiency and power of energetic, electro-technique, and radio-technique equipment, Proceedings, Moscow, Moscow Power Engineering Institute, 1980

Patents: <http://www.fips.ru/>

1. Morozov A.K. Stepin V.A. SYSTEM FOR ENCODING AND DECODING WITH ERROR CORRECTION, 1991.02.22, Patent RU 2007042
 2. Morozov A.K. METHOD OF MOTION OF SUBMERSIBLE VEHICLE IN DEPTH AND DEVICE FOR REALIZATION OF THIS METHOD (VERSIONS), 1994.03.29, Patent RU 2081782
 3. Morozov A.K. METHOD AND DEVICE FOR INFORMATION TRANSMISSION IN MULTIPLE BEAM CHANNEL, 1996.07.25, Patent RU 2118052
 4. Morozov A.K., Komarov V.S. METHOD AND DEVICE FOR MOTION OF SUBMERSIBLE VEHICLE IN DEPTH THROUGH USE OF TEMPERATURE GRADIENT OF SEA WATER (VERSIONS), 1998.01.06, Patent RU 2124457
 5. Morozov A.K. DEVICE FOR MOTION OF SUBMERSIBLE VEHICLE IN DEPTH BY USE OF THERMAL ENERGY OF SURROUNDING MEDIUM, 1998.05.19, Patent RU 2130401
 6. Morozov A.K. SCANNING THERMAL BUOY, 1998.11.13, Patent RU 2137662
 7. Morozov A.K. THERMAL DEVICE FOR MOTION OF SUBMERSIBLE VEHICLE IN DEPTH, 1998.12.02, Patent RU 2142385
 8. Morozov A.K., Utjakov L.L. DEVICE FOR MOTION OF SUBMERSIBLE VEHICLE IN DEPTH BY MEANS OF TEMPERATURE GRADIENT OF THERMOCLINE, 1998.02.17, Patent RU 2153439
- Scientific reports:
1. M. Taroudakis & ... A New, Full-Field Approach to Acoustic Tomography of Ocean Currents in the Coastal Zone The Final Report INTAS-RBRF 95 1002: The Final Report: In PDF format (for on-line reading)
 2. Brekhovskih L.M.& ... Final report on INTAS grant "Comparison between three approach to the ocean acoustic tomography: field experiment and numerical simulation" INTAS -93-0557 European management Michael Taroudakis (IASM/FORTH, Heraclion, Greece), Yve Desaubies IFREMER, Brest, France. (1995-1996)
 3. Report of scientific group head on 25 voyage of scientific research vessel "Akademik M.A. Lavrentiev" Pacific ocean (Russian) 1995.
 4. Report of scientific group head on 9 voyage of scientific research vessel "Akademik Sergey Vavilov" Mediterranean sea. (Russian) 1994.
 5. Report of scientific group head on 8 voyage of scientific research vessel "Akademik Sergey Vavilov" Atlantic Ocean. (Russian) 1991.
 6. Report of scientific group head on 6 voyage of scientific research vessel "Akademik Sergey Vavilov" North Atlantic. (Russian) 1990.
 7. Report of scientific group head on 2 voyage of scientific research vessel "Akademik Sergey Vavilov" North Atlantic, Arctic Ocean. (Russian) 1988.
 8. Doroshenko. A. A., N. M. Budnev, A. I. Panfilov, A. G. Tchensky, A. K. Morozov, and A. N. Gavrilov. Development of the Method for Deployment of an Autonomous Source for Year-Round Acoustic Monitoring of the Arctic Ocean and the Acoustic Complex for Horizontal Location of an Autonomous Source and Communication of the Navigation Data. MSIC Report, 1996.

9. Gavrilov, A. N. and A. K. Morozov. Modeling of Acoustic Thermometry at the Transarctic Franz Victoria Strait - Lincoln Sea Path. Final Report, MSIC, April, 1997.

10. Newhall A.E., Duda T.F., Von der Heydt, K. Irish J.D., Kemp J.N., Lerner S.A., Liberatore S.P., Lin Y.T., Lynch J.F., Maffei A.R., Morozov A.K., Shmelev A.A., Sellers C.J., Witzell W.E. Acoustic and Oceanographic Observations and Configuration Information for the WHOI Moorings from the SW06 Experiment, WHOI-2007-04 Woods Hole, 2007, 116 p.

Scientific awards and bonuses:

1. Bronze medal All-Russian Exhibition Centre (ex-VDNH), N64300 1/12-87 N1195-H, Moscow, 1987

2. Silver medal of All-Russian Exhibition Centre (ex-VDNH), N36756 14/12-88 N1112-H, Moscow, 1988

3. Premium and medal Ministry of Education Institutes, 05.05.88 N25/15, Moscow, 1988.

Member of IEEE, Acoustical Society of America