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** The spelling of my last name in my US passport and publications is 'Malyutov'*

Professional preparation

Doctor of Science, Probability and Statistics, 1983, Moscow University, Russia,
Dissertation:

Information-theoretic Methods of Design and Analysis of Experiments;

Ph.D. summa cum laude, 1967, Probability and Statistics, Moscow University,
Russia, Dissertation:

Solution of multivariate Poincare (Oblique Derivative) Boundary Value Problem.

Advisor: E.B.Dynkin;

M.S. magna cum laude, 1963, Mathematics, Moscow University, Russia.

Appointments

1995-present, Professor of Applied Statistics, Mathematics Department,
Northeastern University;

1976-1995, Leading (previously senior) Researcher, Mathematics and Mechanics
Dept., Moscow State University;

1987-1993, Professor, half-time position, Advanced Mathematics Chair, Moscow
Technical University;

1966-1976, Senior (previously junior) Researcher and **Academic Secretary,**
Kolmogorov Statistical Lab., Moscow University;

Academic Secretary, Probability & Statistics Branch, Moscow Mathematical
Society.

Grants

□ Grant of the London Mathematical Society for presenting talks in eight UK
Universities, 2016.

□ Grant of the Vice Chancellor, University of Technology Sydney for lecturing
and joint research, 2016.

- PI, Contract on Wind speed SAR measurements accuracy evaluation, 2010.
- Co-PI, “ Use of Computer-Enhanced laser and Video Microscopy Techniques to Elucidate the Physical Properties of Individual Cell Surface receptors, Channels, and Adhesion Molecules,” Engineering Research Center for Subsurface Sensing and Imaging Systems (NSF-sponsored since 2000), 2001-2003;
- Co PI, Multi-target tracking, NEU-sponsored seed Project for Engineering Research Center for Subsurface Sensing and Imaging Systems, 2000;
- Research and Scholarship Development Grants, Northeastern University (NEU), 1997-1998, 2007-2008;
- Co PI, grant MCF 000 of International Science Foundation (Soros), 1994-1995;
- Co PI, grant of Russian Foundation for Fundamental Research, 1995.

Selected recent publications out of around 200 in total (*coauthors indicated in parentheses*)

1. Compression-Based Methods of Statistical analysis and Prediction of Time Series: Springer International, 2016, (B.Ryabko and J. Astola)
2. M. Malyutov and P. Grosu, *SCOT approximation, modeling and training*, Journal of Machine Learning Research, vol. 60, Conformal and Probabilistic Prediction and Applications, 241--265, 2017.
3. Time series homogeneity tests via VLMC training, Information Processes (online IITP Journal), vol. 13, No.4, 2013, (with Tong Zhang, Xin Li, Yi li), 401-414.
4. M. Malyutov, P. Grosu and H. Sadaka , *Separate Testing Inputs vs. Linear Programming relaxation*, Information Processes (online IITP Journal), vol. 15, No. 3, 2015, 351-376.
5. Search for active inputs of a sparse system: a review, Springer Lecture Notes in Computer Science, No. 7777, 2012, 478-507.
6. Compression based homogeneity testing, Proceedings of Russian Academy of Sciences, vol. 443, No. 4, 2012, 427-430.
7. An Inter-group Conflict Model Integrating Perceptions of Threat and Vested Interest: Extending Rational Choice to Incorporate Psychological Dynamics, Dynamic Games and Applications, vol. 16, (with G. Pierce and C.Boulay), 2013, 145-164.
8. Sequential Search for Significant Variables of an Unknown Function, Problems of Information Transmission, 1997, 33, No. 4 , 88-107 (with Tsitovich I.).
9. Evaluation of marine wind speed derived from SAR imagery based on buoy observations', Proceedings, Workshop on Information Theoretic Methods in Science and Engineering, Tampere University of Technology, Finland, August 2010, (with A.Komarov, V. Zabeline, C. Boulay), <http://sp.cs.tut.fi/WITMSE10/Proceedings/index.html>.

10. Bayesian Approach to Parameter Estimation in Individual Protein Molecule Dynamics Model, WSEAS Transactions on Systems, 1, No. 2, April 2002 (with T. Korobeinikova, R. Protasov, D. Golan and R. Mirchev}, 204-210.
11. Threats to Peace: Threat Perception and the Persistence or Desistence of Violent Conflict: Proceedings of the European Intelligence and Security Informatics Conference (EISIC2013), August 2013, (with Amy Sliva, Glenn Pierce, Xin Li), 8 pages .

Associate editor of International journals: Mathematical Methods of Statistics, since 1992, American Journal of Mathematical and Management Science, since 2005, Journal of Statistical Theory and Practice, 2006-2013.

Advising: 22 PhD dissertations have been defended under my supervision.

Member: Manhattan Academia, since 2016.