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CURRICULUM VITAE

Education

1999	Ph.D. (Mathematics and Physics) MITPAN, Russian Academy of Sciences, Moscow Advisors: Prof. V.F. Pisarenko, Prof. V.I. Piterbarg.
1995	M.S. (Probability and Statistics) Lomonosov Moscow State University, Dept. of Probability Theory Advisor: Prof. V.I. Piterbarg.

Fields of interest

Applied probability and statistics with applications to statistical seismology, hydrology, climate, biology, and finance.

Professional experience

2016 – present	Professor, Dept. of Mathematics and Statistics, UNR
2021 – present	Director, Graduate Program in Statistics and Data Science
2016 – 2018	Director, Graduate Program in Statistics and Data Science
2015 – 2016	Vice-Chair, Dept. of Mathematics and Statistics, UNR
2009 – 2016	Associate Professor, Dept. of Mathematics and Statistics, UNR
2006 – 2009	Assistant Professor, Dept. of Mathematics and Statistics, UNR
2001 – 2006	Assistant Researcher, Institute of Geophysics and Planetary Physics University of California Los Angeles
1999 – 2001	Postdoctoral Fellow, Institute of Geophysics and Planetary Physics University of California Los Angeles

Broader Service

2011 – present	Commission on Mathematical Geophysics, International Union of Geodesy and Geophysics (IUGG), Secretary since 2013
2016 – present	Associate Editor, *Journal of Geophysical Research-Solid Earth* (AGU)
2009 – present	Editor, *Nonlinear Processes in Geophysics* (EGU/AGU)
2011 – 2016	Committee on Prob. and Stat. in Physical Sci., Bernoulli Society for Mathematical Statistics and Probability, Chair 2013 – 2015
2009 – 2018	Associate Editor, *Journal of Environmental Statistics* (UCLA)
2011 – 2016	Planning Committee, Southern California Earthquake Center
2009 – 2012	Secretary, Natural Hazards Focus Group, Am. Geophys. Union (AGU)

Honors

2020 Fulbright U.S. Scholar
2015 UNR Hyung K. Shin Outstanding Research Award
2010 UNR Westfall Scholar Mentor

Conference/workshop organizing: 4 IUGG CMG conferences, 5 workshops, 19 special sessions/symposia at international meetings

Review services: Springer, Cambridge University Press, Chapman & Hall, U.S. National Science Foundation (NSF), Canada Foundation for Innovation (CFI); Czech Science Foundation (CSF); Fondo Nacional de Desarrollo Científico y Tecnológico (FONDECYT), Chile; 30 academic journals including Science, Proceedings of the National Academy of Sciences (PNAS); Physical Review Letters (PRL), Annals of Applied Statistics (AOAS)

Research grants: Over $1,400K of external support in 30 projects funded by NSF, USGS, SCEC, DOE, and DOS

Publications: 79 papers in peer-refereed journals, 1 book (co-editor), 165 published abstracts (h-index 34 according to Google Scholar)

Advising: 1 postdoc, 13 graduate students, 6 undergraduate students

Selected Publications:

1. Kovchegov, Y. and I. Zaliapin (2020) Random Self-Similar Trees: A Mathematical Theory of Horton Laws. *Probability Surveys*, 17, 1–213. https://doi.org/10.1214/19-PS331
2. Zaliapin, I. and Y. Ben-Zion (2020) Earthquake declustering using the nearest-neighbor approach in space-time-magnitude domain. *J. Geophys. Res.: Solid Earth*, e53991. https://doi.org/10.1029/2018JB017120
3. Tejedor, A., A. Longjas, I. Zaliapin, and E. Foufoula-Georgiou (2015) Delta channel networks: 1. A graph-theoretic approach for studying connectivity and steady-state transport on deltaic surfaces. *Water Resources Research*, 51, 3998–4018. https://doi.org/10.1002/2014WR016577
4. Zaliapin, I. and Y. Ben-Zion (2013a) Earthquake clusters in southern California, I: Identification and stability. *J. Geophys. Res.: Solid Earth*, 118, 2847–2864. https://doi.org/10.1002/jgrb.50179
5. Zaliapin, I., A. Gabrielov, V. Keilis-Borok, and H. Wong (2008) Clustering analysis of seismicity and aftershock identification. *Phys. Rev. Lett*., 101, 018501. https://doi.org/10.1103/PhysRevLett.101.018501
6. Zaliapin, I., Y. Kagan, and F. Schoenberg (2005) Approximating the distribution of Pareto sums, *Pure. Appl. Geophys.,* 162, 1187-1228. https://doi.org/10.1007/s00024-004-2666-3