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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
2022 – present	Trevor J. McMinn Endowed Research Professor
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

2022 Trevor J. McMinn Endowed Research Professorship in Science
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: 81 papers in peer-refereed journals, 1 book (co-editor), 167 published abstracts (h-index 34 according to Google Scholar)

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

Selected Publications:

1. Kovchegov Y., I. Zaliapin and E. Foufoula-Georgiou (2022) Random Self-similar Trees: Emergence of Scaling Laws, Surveys in Geophysics, 43, 353–421. https://doi.org/10.1007/s10712-021-09682-0

2. 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

3. 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

4. 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

5. 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

6. 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

7. 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