

## 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
- 2016 – 2018 Director, PhD 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 \$1,200K of external support in 27 projects funded by NSF, USGS, SCEC, DOE, DOS

**Publications:** 75 papers in peer-refereed journals, 1 book (co-editor), 158 published abstracts (h-index 32)

**Advising:** 1 postdoc, 12 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>