

Christopher Janjigian

CONTACT INFORMATION	math.purdue.edu/~cjanjigi cjanjigi@purdue.edu	
RESEARCH INTERESTS	Statistical mechanical models, KPZ universality class, stochastic partial differential equations	
CITIZENSHIP	United States of America	
ACADEMIC POSITIONS	Assistant Professor, Department of Mathematics, Purdue University	2020-
	Postdoc, Department of Mathematics, University of Utah	2017-2020
	Postdoc, Laboratoire de Probabilités et Modèles Aléatoires, Université Paris Diderot - Paris VII	2016-2017
EDUCATION	University of Wisconsin - Madison	
	Ph.D., Mathematics, 2016, Advisor: Benedek Valkó	
	M.A., Mathematics, 2013	
	Graduate Student in Economics, 2010-2011	
	Lake Forest College	
	B.A., Mathematics and Economics 2010	
PAPERS	<ol style="list-style-type: none">1. C. Janjigian, S. Nurbavliyev, F. Rassoul-Agha. A shape theorem and a variational formula for the quenched Lyapunov exponent of random walk in a random potential. arXiv:2006.10871. (2020)2. E. Emrah, C. Janjigian, and T. Seppäläinen. Right-tail moderate deviations in the exponential last-passage percolation. arXiv:2004.04285. (2020)3. C. Janjigian, F. Rassoul-Agha, and T. Seppäläinen. Geometry of geodesics through Busemann measures in directed last-passage percolation. arXiv:1908.09040. (2019)4. E. Emrah, C. Janjigian, and T. Seppäläinen. Flats, spikes and crevices: the evolving shape of the inhomogeneous corner growth model. arXiv:1908.09319. (2019)5. C. Janjigian and F. Rassoul-Agha. Uniqueness and ergodicity of stationary directed polymer models on the square lattice. <i>J. Stat. Phys.</i> 179, 672689 (2020)6. C. Janjigian and F. Rassoul-Agha. Busemann functions and Gibbs measures in directed polymer models on \mathbb{Z}^2. <i>Ann. Probab.</i> 48 no. 2, 778-816. (2020)7. C. Janjigian Upper tail large deviations in Brownian directed percolation. <i>Electron. Commun. Probab.</i>, 24 no. 45, 1-10. (2019)8. D. Crisan, C. Janjigian, and T. Kurtz. Particle representations for stochastic partial differential equations with boundary conditions. <i>Electron. J. Probab.</i> 23 65 pp 1-29. (2018)	

9. E. Emrah and C. Janjigian. Large deviations for some corner growth models with inhomogeneity. *Markov Processes and Related Fields*. **23** pp. 267-312. (2017)
10. C. Janjigian. Large deviations of the free energy in the O'Connell-Yor polymer. *J. Stat. Phys.* 160 **4** pp. 1054-1080. (2015)

AWARDS

Research awards and grants

- NSF Standard Grant 'Random Walks in Random Potentials' DMS-1954204
- 2019 Donald H. Tucker Postdoctoral Fellow Award (\$3500), University of Utah
- 2016-2017 Fondation Sciences Mathématiques de Paris Postdoctoral Grant

Teaching

- 2015-2016 University of Wisconsin - Madison Capstone Ph.D. Teaching Award
- 2015-2016 University of Wisconsin - Madison Mathematics Department Teaching Award
- 2014 University of Wisconsin - Madison College of Letters and Sciences Teaching Fellow

SERVICE

Mentorship/outreach

- University of Utah Research Experiences for Undergraduates Mentor 2019
- Organizer, University of Utah High School Math Circle 2018-2020

Conferences

- Scientific Committee, 2020 Midwest Probability Colloquium 2020
- Local Organizing Committee, Seminar on Stochastic Processes 2019
University of Utah, March 13-16, 2019. 97 participants.
- Teaching assistant, AMS Mathematical Research Community on Spatial Stochastic Models 2019

TEACHING
EXPERIENCE

Instructor UofU, Stochastic Processes and Simulation II	Spring 2019
	Spring 2020
Instructor UoU, Stochastic Processes and Simulation I	Fall 2019
	Fall 2018
Instructor UofU, Introduction to Probability	Fall 2018
	Fall 2019
	Spring 2018
	Fall 2017
TA Coordinator UW-M, Calculus and Analytic Geometry II	Fall 2015
	Fall 2013
	Fall 2012
TA UW-M, Theory of Single Variable Calculus	Spring 2013
TA UW-M, Calculus and Analytic Geometry II	Spring 2012
TA UW-M, Calculus and Analytic Geometry I	Fall 2011