

Eliran Subag

CONTACT INFORMATION	113 Ziskind, Weizmann Institute of Science, Rehovot 76100, Israel E-mail: eliran.subag@weizmann.ac.il	
EMPLOYMENT	Junior Fellow in the Simons Society, Courant Institutue Host: Gérard Ben Arous	2017–
EDUCATION	Ph.D., Mathematics, Weizmann Institute of Science Advisor: Ofer Zeitouni	2017
	M.Sc., Electrical Engineering, Technion Summa cum laude, GPA 99.4, Thesis examination grade 100 Title: Rotation and Scale Space Random Fields and Mixing Times for Random Shuffles Advisor: Robert J. Adler	2013
	B.Sc., Electrical Engineering, Technion Summa cum laude, GPA 97.4, ranked 1 out of 220 in class	2010
AWARDS	The Alfred and Anna Grey Scholarship for Undergraduate Students Freescale Israel Excellence Award for Undergraduate Students Meyer Excellence Program Fellowship WorldQuant Foundation Scholarship The Adams Fellowship Otto Schwartz Award Wolf Foundation Fellowship John F. Kennedy Prize Junior Fellow in the Simons Society of Fellows	2008–2009 2009 2011 2011 2014–2017 2014, 2015 2015 2017 2017–2020
JOURNAL PUBLICATIONS	<ol style="list-style-type: none">1. R. J. Adler, O. Bobrowski, M. S. Borman, E. Subag, and S. Weinberger, Persistent homology for random fields and complexes. In <i>Borrowing Strength: Theory Powering Applications, A Festschrift for Lawrence D. Brown, IMS Collections 6</i>, 124-143, 2010.2. R. J. Adler, E. Subag, and J. E. Taylor, Rotation and scale space random fields and the Gaussian kinematic formula, <i>Annals of Statistics</i>, 40 (6), 2910-2942, 2012.3. E. Subag, A lower bound for the mixing time of the random-to-random insertions shuffle, <i>Electronic Journal of Probability</i>, 18, 1-20, 2013.4. E. Subag and O. Zeitouni, Freezing and decorated Poisson point processes, <i>Communications in Mathematical Physics</i>, 337 (1), 55-92, 2015.5. D. Yogeshwaran, E. Subag, and R. J. Adler, Random geometric complexes in the thermodynamic regime, <i>Probability theory and related fields</i>, 167, 107-142, 2017.6. E. Subag, O. Zeitouni, The extremal process of critical points of the pure p-spin spherical spin glass model, <i>Probability theory and related fields</i>, 168, 773-820, 2017.7. E. Subag, The complexity of spherical p-spin models - a second moment approach, accepted to <i>Annals of Probability</i>, preprint at arXiv:1504.02251.	

8. E. Subag, The geometry of the Gibbs measure of pure spherical spin glasses, accepted to *Inventiones mathematicae*, doi:10.1007/s00222-017-0726-4, 75 pages, 2017.

SEMINARS AND TALKS	Probability Seminar, Technion	Dec 2012	
	Student Probability Day, Weizmann	May 2013	
	Horowitz Seminar, Tel Aviv University	Jun 2014	
	Probability Seminar, Technion	Nov 2014	
	Probability and Ergodic Theory Seminar, Ben-Gurion University	Apr 2015	
	Probability Seminar, Technion	Apr 2015	
	Probability Seminar, Weizmann	Jun 2016	
	Invited Session on Spin Glasses (1 of 3 talks), World Congress in Probability and Statistics, Fields Institute	Jul 2016	
	Probability Seminar, CUNY	Sep 2016	
	Mathematical Physics Seminar, Princeton	Sep 2016	
	Analysis Seminar, Northwestern	Oct 2016	
	Columbia/Courant Probability Series, Courant	Oct 2016	
	Probability Seminar, Stanford	Oct 2016	
	Workshop on Mathematical Physics, Weizmann	Jan 2017	
	Israel Mathematical Union meeting, Acre	May 2017	
	Horowitz Seminar, Tel Aviv University	May 2017	
	AIM workshop ‘Phase transitions in randomized computational problems’	June 2017	
	WORKSHOPS	AIM workshop on ‘Topological Complexity of Random Sets’	Aug 2009
		WAART: Workshop in Algebraic and Random Topology, Chicago	Apr 2010
DSSA: Discrete Structures and Stochastic Analysis, Haifa		Mar 2013	
School on Mathematical Statistical Physics, Prague		Aug 2013	
Mathematical Biology, Particle Systems and Reaction-Diffusion Week, Toulouse		Mar 2014	
Summer school in probability, Northwestern		Jul 2016	
AIM workshop ‘Phase transitions in randomized computational problems’		June 2017	
SHORT TERM VISITS		Stanford University	Sep 2011
	Courant Institute	Oct 2014, Oct 2015, Sep–Oct 2016	
TEACHING EXPERIENCE	Teaching assistant (Technion):		
	044202 Random signals	2010	
	048979 Topological methods in electrical engineering	2010	
	104222 Probability theory	2011–2012	
	046868 Foundations of stochastic processes	2012	
	Teaching assistant (Weizmann):		
20164172 Martingales and Markov chains	2016		