

- 1999–2001 Three annual Provost’s list awards, Faculty of Exact Sciences, Tel Aviv University
- 1999–2001 Three annual Dean’s list awards, Faculty of Exact Sciences, Tel Aviv University
- 2000, 2001 Two Wolf Scholarship awards for B.Sc. students
- 2001 Excellence award, School of Computer Science, Tel Aviv University
- 1999 Award of excellence for first year B.Sc. students, Schools of Computer Science and Mathematics, Tel Aviv University

SELECTED INVITED TALKS IN CONFERENCES / WORKSHOPS:

- IHÉS mini-course at the Probability Summer School for graduate students, Paris, Jul 2017.
- Random Structures & Algorithms, Pittsburgh, Jul 2015 (*plenary address*).
- Stochastic Processes and Applications (SPA), Buenos Aires, Aug 2014 (*plenary address*).
- Invited course at the 10th Cornell Probability Summer School, Jul 2014.
- EuroComb 2011, Budapest, Aug 2011 (*plenary address*).
- La-Pietra 2011 conference on Probability, Florence, Jun 2011 (*5-lecture mini-course*).

SELECTED INVITED TALKS IN COLLOQUIA:

- Yale Colloquium, Mathematics Department, Sep 2016.
- UCLA Colloquium, Mathematics Department, Jan 2014.
- Hebrew University Colloquium, Mathematics Department, Dec 2012.
- Stanford University Colloquium, Mathematics Department, May 2012.
- Tel Aviv University Colloquium, Mathematics Department, Jun 2011.

SELECTED WORKS:

- G. Gheissari and E. Lubetzky,
Maximum and shape of interfaces in 3D Ising crystals,
Communications in Pure and Applied Mathematics, to appear.
- E. Lubetzky and A. Sly,
Information percolation and cutoff for the stochastic Ising model,
Journal of the American Mathematical Society 29 (2016), 729–774.
- E. Lubetzky and Y. Peres,
Cutoff on all Ramanujan graphs,
Geometric and Functional Analysis 26 (2016), no. 4, 1190–1216.
- E. Lubetzky and A. Sly,
Cutoff for the Ising model on the lattice,
Inventiones Mathematicae 191 (2013), no. 3, 719–755.
- E. Lubetzky and A. Sly,
Cutoff phenomena for random walks on random regular graphs,
Duke Mathematical Journal 153 (2010), no. 3, 475–510.

INTERNS MENTORED:

- Yufei Zhao Summer 2012 (while a graduate student at MIT)
- Robin Moser Winter 2009 (while a graduate student at ETH Zurich)
- Po-Shen Loh Summer 2009 (while a graduate student at Princeton University)
- Allan Sly Summer 2008 (while a graduate student at UC Berkeley)

SERVICES:

- Workshop co-organization: “Random media and large deviations,” Mar 2020.
- Associate Editor: Probability and Mathematical Physics, Sep 2019 – present.
- Workshop co-organization: “Markov chain mixing times,” AIM, Jun 2016.
- Associate Editor: Probability Theory and Related Fields, Sep 2010 – Aug 2015.
- Associate Editor: Annals of Applied Probability, Jan 2009 – Dec 2015.
- Workshop co-organization: “Probabilistic & Extremal Combinatorics,” IMA, Sep 2014.
- Workshop co-organization: “Percolation & Interacting Systems,” MSRI, Berkeley, Feb 2012.
- Program Committee, SODA 2010 (ACM-SIAM Symposium on Discrete Algorithms).

TEACHING:

- Courant Institute, New York University: *Honors Theory of Probability* (Spring20), *Probability Theory I* (Fall20), *Probability Limit Theorems I* (Fall19, 18, 17, 16, 15), *Theory of Probability* (Spring19), *Honors Calculus II* (Spring16), *Advanced Topics in Probability* (Spring20: *Spin glasses*, Fall18: *Random regular graphs*, Fall17: *Martingale & concentration*, Spring15: *Markov chain analysis*).
- U. of Washington: *Advanced topics in Probability* (Spring09, Fall12), *Probabilistic Combinatorics* (Spring10) (Highly rated course recognition, College of Engineering),

LIST OF PUBLICATIONS:

- A. Dembo, E. Lubetzky and O. Zeitouni,
Universality for Langevin-like spin glass dynamics,
Annals of Applied Probability, to appear.
- E. Lubetzky and A. Sly,
Fast initial conditions for Glauber dynamics,
Probability Theory and Related Fields, to appear.
- R. Gheissari and E. Lubetzky,
Tightness and tails of the maximum in 3D Ising interfaces,
Annals of Probability, to appear.
- I. Benjamini, E. Lubetzky and Y. Peled,
Minimum weight disk triangulations and fillings,
Transactions of the American Mathematical Society, to appear.
- R. Gheissari and E. Lubetzky,
Maximum and shape of interfaces in 3D Ising crystals,
Communications in Pure and Applied Mathematics, to appear.
- A. Dembo, E. Lubetzky and Y. Zhang,
Empirical spectral distributions of sparse random graphs,
In and Out of Equilibrium 3, Celebrating Vladas Sidoravicius (Progr. Probab.), to appear.
- E. Lubetzky, A. Lubetzky and O. Parzanchevski,
Random walks on Ramanujan complexes and digraphs,
Journal of the European Mathematical Society (JEMS) 22 (2020), no. 11, pp. 3441–3466.
- M. Krivelevich, E. Lubetzky and B. Sudakov,
Asymptotics in percolation on high-girth expanders,
Random Structures & Algorithms 56 (2020), no. 4, 927– 947.

- R. Gheissari and E. Lubetzky,
Quasi-polynomial mixing of critical 2D random cluster models,
Random Structures & Algorithms 56 (2020), no. 2, 517–556.
- R. Gheissari, E. Lubetzky and Y. Peres,
Exponentially slow mixing in the mean-field Swendsen–Wang dynamics,
Annales de l’Institut Henri Poincaré, Probab. Statist. 56 (2020), no. 1, 68–86.
Preliminary version appeared in the *Proc. of the 29rd ACM-SIAM SODA* (2018), 994–1046.
- A. Ben-Hamou, E. Lubetzky, and Y. Peres,
Comparing mixing times on sparse random graphs,
Annales de l’Institut Henri Poincaré, Probab. Statist. 55 (2019), no. 2, 1116–1130.
Preliminary version appeared in the *Proc. of the 29rd ACM-SIAM SODA* (2018), 1734–1740.
- A. Dembo and E. Lubetzky,
A large deviation principle for the Erdős–Rényi uniform random graph,
Electronic Communications in Probability 23 (2018), paper no. 79, 13 pp.
- R. Gheissari, E. Lubetzky and Y. Peres,
Concentration inequalities for polynomials of contracting Ising models,
Electronic Communications in Probability 23 (2018), paper no. 76, 12 pp.
- R. Gheissari and E. Lubetzky,
The effect of boundary conditions on mixing of 2D Potts models at discontinuous phase transitions,
Electronic Journal of Probability 23 (2018), 1–30.
- R. Gheissari and E. Lubetzky,
Mixing times of critical two-dimensional Potts models,
Communications in Pure and Applied Mathematics 71 (2018), no. 5, 994–1046.
- N. Berestycki, E. Lubetzky, Y. Peres and A. Sly,
Random walks on the random graph,
Annals of Probability 46 (2018), no. 1, 456–490.
- E. Lubetzky and A. Sly,
Universality of cutoff for the Ising model,
Annals of Probability 45 (2017), no. 6A, 3664–3696.
- B.B. Bhattacharya, S. Ganguly, E. Lubetzky and Y. Zhao,
Upper tails and independence polynomials in random graphs,
Advances in Mathematics 319 (2017), 313–347.
- E. Lubetzky and Y. Zhao,
On the variational problem for upper tails of triangle counts in sparse random graphs,
Random Structures and Algorithms 50 (2017), no. 3, 420–436.
- J. Kahn, E. Lubetzky and N. Wormald,
Cycle factors and renewal theory,
Communications in Pure and Applied Mathematics 70 (2017), no. 2, 289–339.
- E. Lubetzky and Y. Peres,
Cutoff on all Ramanujan graphs,
Geometric and Functional Analysis 26 (2016), no. 4, 1190–1216.
- E. Lubetzky, F. Martinelli and A. Sly,
Harmonic pinnacles in the Discrete Gaussian model,
Communications in Mathematical Physics 344 (2016), no. 3, 673–717.

- J. Kahn, E. Lubetzky and N. Wormald,
The threshold for combs in random graphs,
Random Structures and Algorithms 48 (2016), no. 4, 794–802.
- E. Lubetzky and A. Sly,
Information percolation and cutoff for the stochastic Ising model,
Journal of the American Mathematical Society (JAMS) 29 (2016), 729–774.
- C. Caputo, E. Lubetzky, F. Martinelli, A. Sly and F.L. Toninelli,
Scaling limit and cube-root fluctuations in SOS surfaces above a wall,
Journal of the European Mathematical Society (JEMS) 18 (2016), no. 5, 931–995.
- E. Lubetzky and J. Steif,
Strong noise sensitivity and random graphs,
Annals of Probability 43 (2015), no. 6, 3239–3278.
- T. Bohman, A. Frieze and E. Lubetzky,
Random triangle removal,
Advances in Mathematics 280 (2015), 379–438.
- E. Lubetzky and A. Sly,
An exposition to information percolation for the Ising model,
Annales de la Faculté des Sciences de Toulouse 29 (2015), no. 4, 745–761.
- E. Lubetzky and Y. Zhao,
On replica symmetry of large deviations in random graphs,
Random Structures and Algorithms 47 (2015), no. 1, 109–146.
- S. Ganguly, E. Lubetzky and F. Martinelli,
Cutoff for the east process,
Communications in Mathematical Physics 335 (2015), no. 3, 1287–1322.
- C. Cooper, A. Frieze and E. Lubetzky,
Cover time of a random graph with given degree sequence II: Allowing vertices of degree two,
Random Structures and Algorithms 45 (2014), no. 4, 627–674.
- M. Krivelevich, E. Lubetzky and B. Sudakov,
Cores of random graphs are born Hamiltonian,
Proceedings of the London Mathematical Society 109 (2014), no. 1, 161–188.
- E. Lubetzky and A. Sly,
Cutoff for general spin systems with arbitrary boundary conditions,
Communications in Pure and Applied Mathematics 67 (2014), no. 6, 982–1027.
- C. Caputo, E. Lubetzky, F. Martinelli, A. Sly and F.L. Toninelli,
Dynamics of (2+1)D SOS surfaces above a wall: slow mixing induced by entropic repulsion,
Annals of Probability 42 (2014), no. 4, 1516–1589.
- J. Ding, E. Lubetzky and Y. Peres,
Anatomy of the giant component: The strictly supercritical regime,
European Journal of Combinatorics 35 (2014), 155–168.
- E. Lubetzky and A. Sly,
Cutoff for the Ising model on the lattice,
Inventiones Mathematicae 191 (2013), no. 3, 719–755.
- M. Krivelevich, E. Lubetzky and B. Sudakov,
Longest cycles in sparse random digraphs,
Random Structures and Algorithms 43 (2013), no. 1, 1–15.

- E. Lubetzky, F. Martinelli, A. Sly and F.L. Toninelli,
Quasi-polynomial mixing of 2D stochastic Ising model with "plus" boundary up to criticality,
Journal of the European Mathematical Society 15 (2013), no. 2, 339–386.
- P.-S. Loh and E. Lubetzky,
Stochastic coalescence in logarithmic time,
Annals of Applied Probability 23 (2013), no. 2, 492–528.
Preliminary version appeared in the *Proc. of the 23rd ACM-SIAM SODA* (2012), 541–551.
- A. Blasiak, R. Kleinberg and E. Lubetzky,
Broadcasting with side information: bounding and approximating the broadcast rate,
IEEE Transactions on Information Theory 59 (2013), no. 9, 5811–5823.
- C. Caputo, E. Lubetzky, F. Martinelli, A. Sly and F.L. Toninelli,
The shape of the (2+1)D SOS surface above a wall,
Comptes Rendus Mathematique 350 (2012), 703–706.
- E. Lubetzky and A. Sly,
Critical Ising on the square lattice mixes in polynomial time,
Communications in Mathematical Physics 313 (2012), no. 3, 815–836.
- J. Ding, E. Lubetzky and Y. Peres,
Mixing time of near-critical random graphs,
Annals of Probability 40 (2012), no. 3, 979–1008.
- P. Cuff, J. Ding, O. Louidor, E. Lubetzky, Y. Peres and A. Sly,
Glauber Dynamics for the mean-field Potts Model,
Journal of Statistical Physics 149 (2012), no. 3, 432–477.
- N. Alon, O. Angel, I. Benjamini and E. Lubetzky,
Sums and products along sparse graphs,
Israel Journal of Mathematics 188 (2012), no. 1, 353–384.
- E. Lubetzky, B. Sudakov and V. Vu,
Spectra of lifted Ramanujan graphs,
Advances in Mathematics 227 (2011), no. 4, 1612–1645.
- J. Ding, J.H. Kim, E. Lubetzky and Y. Peres,
Anatomy of a young giant component in the random graph,
Random Structures and Algorithms 39 (2011), no. 2, 139–178.
- A. Blasiak, R. Kleinberg and E. Lubetzky,
Lexicographic products and the power of non-linear network coding,
Proc. of the 52nd IEEE FOCS (2011), 609–619.
- A. Azar, O. Gurel-Gurevich, E. Lubetzky and T. Moscibroda,
Optimal whitespace synchronization strategies,
European Symposium on Algorithms (ESA) (2011), 713–722.
- E. Lubetzky and A. Sly,
Explicit expanders with cutoff phenomena,
Electronic Journal of Probability 16 (2011), 419–435.
- J. Ding, E. Lubetzky and Y. Peres,
Mixing time of critical Ising model on trees is polynomial in the height,
Communications in Mathematical Physics 295 (2010), no. 1, 161–207.
- E. Lubetzky and A. Sly,
Cutoff phenomena for random walks on random regular graphs,
Duke Mathematical Journal 153 (2010), no. 3, 475–510.

- M. Krivelevich, E. Lubetzky and B. Sudakov,
Hamiltonicity thresholds in Achlioptas processes,
Random Structures and Algorithms 37 (2010), no. 1, 1–24.
- J. Ding, J.H. Kim, E. Lubetzky and Y. Peres,
Diameters in supercritical random graphs via first passage percolation,
Combinatorics, Probability and Computing 19 (2010), no. 5–6, 729–751.
- J. Ding, E. Lubetzky and Y. Peres,
Total variation cutoff in birth-and-death chains,
Probability Theory and Related Fields 146 (2010), no. 1, 61–85.
- N. Alon, O. Gurel-Gurevich and E. Lubetzky,
Choice-memory tradeoff in allocations,
Annals of Applied Probability 20 (2010), no. 4, 1470–1511.
Preliminary version appeared in the *Proc. of the 50th IEEE FOCS* (2009), 230–238.
- T. Bohman, A. Frieze and E. Lubetzky,
Random greedy triangle-packing beyond the $7/4$ barrier,
Journal of Combinatorics 1 (2010), no. 3–4, 477–488.
- G. Amir, O. Gurel-Gurevich, E. Lubetzky, A. Singer,
Giant components in biased graph processes,
Indiana University Mathematics Journal, 59 (2010), no. 6, 1893–1930.
- J. Ding, E. Lubetzky and Y. Peres,
The mixing time evolution of Glauber dynamics for the mean-field Ising model,
Communications in Mathematical Physics 289 (2009), 725–764.
- N. Alon and E. Lubetzky,
Poisson approximation for non-backtracking random walks,
Israel Journal of Mathematics 174 (2009), 227–252.
- N. Alon and E. Lubetzky,
Uniformly cross intersecting families,
Combinatorica 29 (2009), no. 4, 389–431.
- J. Ding, E. Lubetzky and Y. Peres,
Censored Glauber Dynamics for the mean field Ising Model,
Journal of Statistical Physics 137 (2009), no. 3, 407–458.
- E. Lubetzky and U. Stav,
Non-linear index coding outperforming the linear optimum,
IEEE Transactions on Information Theory 55 (2009), 3544–3551.
Preliminary version appeared in *Proc. of the 48th IEEE FOCS* (2007), 161–167.
- N. Alon, A. Hasidim, E. Lubetzky, U. Stav and A. Weinstein,
Broadcasting with side-information,
Proc. of the 49th IEEE FOCS (2008), 823–832.
- I. Benjamini, S. Haber, M. Krivelevich and E. Lubetzky,
The isoperimetric constant of the random graph process,
Random Structures and Algorithms 32 (2008), 101–114.
- N. Alon, I. Benjamini, E. Lubetzky and S. Sodin,
Non-backtracking random walks mix faster,
Communications in Contemporary Mathematics 9 (2007), 585–603.

- N. Alon and E. Lubetzky,
Privileged users in zero-error transmission over a noisy channel,
Combinatorica 27 (2007), 737–743.
- N. Alon and E. Lubetzky,
Graph powers, Delsarte, Hoffman, Ramsey and Shannon,
SIAM J. Discrete Math 21 (2007), 329–348.
- N. Alon and E. Lubetzky,
Codes and Xor graph products,
Combinatorica 27 (2007), 13–33
- N. Alon and E. Lubetzky,
Independent sets in tensor graph powers,
Journal of Graph Theory 54 (2007), 73–87.
- T. Amiaz, N. Kiryati, E. Lubetzky,
Coarse to Over-Fine Optical Flow Estimation,
Pattern Recognition 40 (2007), 2496–2503.
- N. Alon and E. Lubetzky,
The Shannon capacity of a graph and the independence numbers of its powers,
IEEE Transactions on Information Theory 52 (2006), 2172–2176.
- Y. Azar, M. Feder, E. Lubetzky, D. Rajwan and N. Shulman,
The Multicast Bandwidth Advantage in Serving a Web Site,
Proc. of 3rd NGC (2001), 88–99.
- G. Amir and E. Lubetzky,
On two biased graph processes,
preprint.
- E. Lubetzky, C. Thornett and O. Zeitouni,
Maximum of Branching Brownian motion in a periodic environment,
submitted.
- Y. Alon, M. Krivelevich and E. Lubetzky,
Cycle lengths in sparse random graphs,
submitted.
- E. Lubetzky and Y. Peled,
Noise sensitivity of critical random graphs,
submitted.

TALKS IN COLLOQUIA / CONFERENCES / WORKSHOPS:

- AMS Fall Eastern Sectional Meeting, Penn State University, Oct 2020.
- Workshop: “Combinatorics,” Oberwolfach, Jan 2020.
- Workshop: “External and Probabilistic Combinatorics,” Oberwolfach, Apr 2019.
- Workshop: “Advances in Asymptotic Probability,” Stanford University, Dec 2018.
- Colloquium: Ohio State University, Mathematics Department, Nov 2018.
- Charles River Lectures, Cambridge, Oct 2018.
- Workshop: “Algorithms and Randomness,” Atlanta, May 2018.
- Workshop: “Probabilistic and Extremal Combinatorics,” Harvard University, Feb 2018.
- MCA, Probability Theory session, Montreal, Jul 2017.
- MCA, Extremal and Probabilistic Combinatorics session, Montreal, Jul 2017.

- IHÉS mini-course at the Probability Summer School for graduate students, Paris, Jul 2017.
- Workshop: “Dynamics aging and universality,” Courant Institute, Jun 2017.
- Workshop: “Phase transitions in rand. computational problems,” AIM, San Jose, Jun 2017.
- AMS Spring Central Sectional Meeting, Indiana University, Apr 2017.
- Workshop: “Expanders and Extractors,” Simons Foundation, Berkeley, Feb 2017.
- Workshop: “Large Scale Stochastic Dynamics,” Oberwolfach, Nov 2016.
- Colloquium: Yale University, Mathematics Department, Sep 2016.
- Workshop: “Markov Chain mixing times,” AIM, San Jose, Jun 2016.
- Workshop: “Probabilistic and Extremal Combinatorics,” ETH Zurich, May 2016.
- Colloquium: University of Maryland, Mathematics Department, Apr 2016.
- Workshop: “Probabilistic and Extremal Combinatorics,” Oberwolfach, Apr 2016.
- Workshop: “Phase Transitions,” Simons Foundation, Berkeley, Feb 2016.
- AMS Fall Eastern Sectional Meeting, Probability section, Rutgers, Nov 2015
- AMS Fall Western Sectional Meeting, Fullerton, Oct 2015 (*plenary*).
- The 37th Midwest Probability Colloquium, Chicago, Oct 2015.
- Workshop: “Extremal & Probabilistic Combinatorics,” BIRS, Banff, Aug 2015.
- Random Structures & Algorithms, Pittsburgh, Jul 2015 (*plenary*).
- Southeast Probability Seminar, Duke University, May 2015.
- Workshop: “Crystals, quasicrystals and random networks,” ICERM, Providence, Feb 2015.
- Workshop: “Discrete Markov chains,” IMPA, Rio de Janeiro, Oct 2014.
- Courant–Columbia Probability Seminar Series, Oct 2014.
- Stochastic Processes and Applications (SPA), Buenos Aires, Aug 2014 (*plenary*).
- The 10th Cornell Probability Summer School, Jul 2014 (*invited main course*).
- Workshop: “Phase transitions in discrete structures,” Warwick, May 2014.
- Paul Erdős Lecture Series 2014, Memphis, Mar 2014.
- Workshop: “Talking across fields”, Toulouse, Mar 2014.
- Colloquium: Harvard University, Applied Mathematics Department, Feb 2014.
- Colloquium: UCLA, Mathematics Department, Jan 2014.
- Workshop: “Extremal and Probabilistic Combinatorics,” Oberwolfach, Jan 2014.
- Workshop: “Discrete Random Geometry,” Varbergs, Sweden, Aug 2013.
- Workshop: “Extremal and Probabilistic Combinatorics,” IPAM, Los Angeles, Jan 2013.
- Colloquium: Hebrew University, Mathematics Department, Dec 2012.
- Colloquium: Tel Aviv University, Mathematics Department, Dec 2012.
- Colloquium: Technion, Mathematics Department, Dec 2012.
- Workshop: “Discrete Geometric Analysis,” RIMS, Kyoto, Aug 2012.
- Workshop: “New Trends & Directions in Combinatorics,” BIRS, Banff, Aug 2012.
- Workshop: “Computation and Phase Transitions,” Atlanta, Jun 2012.
- Paul Erdős Lecture Series 2012, Memphis, May 2012.
- Colloquium: Stanford University, Mathematics Department, May 2012.
- The 10th Northeast Probability Seminar, Courant Institute (NYU), Nov 2011.
- EuroComb 2011, Budapest, Aug 2011 (*plenary*).
- La-Pietra 2011 conference on Probability, Florence, Jun 2011 (*5-lecture mini-course*).
- AMS Fall Western Meeting, Combinatorics section, Los Angeles, Oct 2010.
- SIAM Conference on Discrete Math, Austin, Jun 2010.

- Workshop “Probabilistic Techniques and Applications,” IPAM, Los Angeles, Oct 2009.
- The 50th IEEE Symposium on Foundations of Computer Science (FOCS), Atlanta, Oct 2009.
- ICMP, Probability Theory session, Prague, Aug 2009.
- Workshop: “Extremal and Probabilistic Combinatorics,” BIRS, Banff, Aug 2009.
- Workshop: “Combinatorics & Probability,” Oberwolfach, Apr 2009.
- Northwest Probability Seminar, Seattle, Nov 2008.
- European Conference on Complex Systems, Jerusalem, Sep 2008.
- Workshop: “Phase Transitions,” BIRS, Banff, Jun 2008.
- Workshop: “MCMC Methods,” Newton Institute CSM, Cambridge, Mar 2008.
- AMS national meeting, Probability Theory section, San Diego, Jan 2008.
- The 48th IEEE Symposium on Foundations of Computer Science (FOCS), Oct 2007.
- AMS Fall Eastern Meeting, Combinatorics & Probability section, Rutgers, Oct 2007.
- Random Structures and Algorithms Conference, Tel Aviv, May 2007.
- Workshop: “Combinatorics, Probability & Computing,” Oberwolfach, Oct 2006.
- Israel Mathematical Union Annual Meeting, Neve Ilan, May 2006.
- Random Structures and Algorithms Conference, Poznan, Aug 2005.