

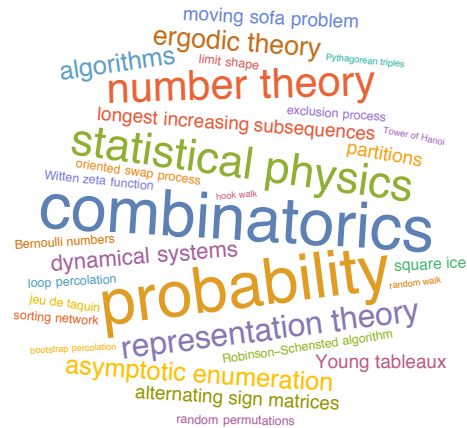
Dan Romik

Curriculum Vitae*

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Research interests



Employment: current positions

- **2013–present.** Professor at the Department of Mathematics, University of California, Davis.

Employment: previous positions

- **2017–2018.** Vice Chair of Academic Personnel, Department of Mathematics, University of California, Davis.
- **2014–2017.** Mathematics Department Chair, University of California, Davis.
- **2011–2013.** Associate Professor at the Department of Mathematics, University of California, Davis.
- **2009–2011.** Assistant Professor at the Department of Mathematics, University of California, Davis.
- **2007–2009.** Senior Lecturer at the Einstein Institute of Mathematics, The Hebrew University of Jerusalem.
- **2006–2007.** Member of the Fundamental and Industrial Mathematics Group at the Mathematical and Algorithmic Sciences Center, Bell Laboratories, New Jersey.
- **2005–2006.** Postdoctoral researcher at the Department of Statistics, UC Berkeley.

*Date last updated: October 17, 2018

- **Spring 2005.** Postdoctoral Fellow at the Mathematical Sciences Research Institute (MSRI), Berkeley, for the Program on Probability, Algorithms and Statistical Physics.
- **2002–2004.** Postdoctoral Fellow at the Department of Mathematics, The Weizmann Institute of Science, Rehovot, Israel.
- **2001–2002.** Chateaubriand Fellow (French government postdoctoral grant) at *Laboratoire de Probabilités et Modèles Aléatoires, Université Pierre et Marie Curie* (Paris 6), Paris.

Education

- **2001.** Ph.D. in Mathematics at Tel-Aviv University. Advisor: David Gilat. Dissertation title: “Randomized Central Limit Theorems—Probabilistic and Geometric Aspects.”
- **1997.** M.Sc. (*Summa Cum Laude*) in Pure Mathematics at Tel-Aviv University.
- **1996.** B.Sc. (*Summa Cum Laude*) in Mathematics at Tel-Aviv University.

Scholarly work

- **Papers.** 37 peer-reviewed publications (solely or jointly authored) in professional journals.

Full publication list and downloadable publications available at
<https://www.math.ucdavis.edu/~romik/publications/>

- **Book.** The Surprising Mathematics of Longest Increasing Subsequences. Cambridge University Press, 2015.

Available for download at
<https://www.math.ucdavis.edu/~romik/book/>

- **Patent.** Method and apparatus for filtering data packets. United States Patent 8,355,324. Y. Baryshnikov, D. Romik, E. H. Grosse, F. X. Zane.

Grants and awards

- **2018.** UC Davis Faculty Development Award.
- **2018–2021.** National Science Foundation (NSF) grant number DMS-1800725.
- **2010–2016.** National Science Foundation (NSF) Faculty Early Career Development (CAREER) grant number DMS-0955584.
- **2012–2013.** Simons Fellowship in Mathematics.
- **2008–2009.** Israeli Science Foundation (ISF) Individual Research Grant number 1051/08.

Graduate students and post-docs mentored

- Matan Karklinsky (M.Sc. student, Hebrew University, graduated summer 2009). Thesis title: “Enumerations of alternating sign matrices”.
- Arvind Ayyer (Krener Assistant Professor post-doc, UC Davis, 2010–2013).

Seminar, colloquium and conference talks since 2010

2018

1. Seminar talk, UC Berkeley, October 2018
2. Invited conference talk, Randomness and Symmetry Workshop, University College Dublin, June 2018
3. Colloquium talk, UC San Diego, June 2018
4. Seminar talk, UC San Diego, June 2018
5. Invited conference talk, Columbia-Princeton Probability Day 2018, Columbia University, April 2018
6. Seminar talk, Rutgers University, April 2018
7. Conference talk, Mini-symposium on computational problems in low-dimensional topology, Okinawa Institute of Science and Technology, March 2018

2017

8. Colloquium talk, Queen Mary University London, November 2017
9. Invited conference talk, Erwin Schrödinger Institute of Mathematical Physics, Vienna, November 2017
10. Seminar talk, UC Davis, November 2017
11. Invited speaker, The 29th international conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2017), London, July 2017
12. Invited speaker, The 28th International Meeting on Probabilistic, Combinatorial and Asymptotic Methods for the Analysis of Algorithms (AofA 2017), Princeton, June 2017
13. Invited speaker, Workshop on Asymptotic Representation Theory, Institut Henri Poincaré, Paris, February 2017

2016

14. Seminar talk, Harvard University, December 2016
15. Seminar talk, UC Davis, October 2016
16. Seminar talk, University of Maryland, September 2016
17. Seminar talk, University of Toronto, September 2016
18. Summer school lecturer, The 3rd Algorithmic and Enumerative Combinatorics Summer School (AEC 2016), Research Institute for Symbolic Computation (RISC), Johannes Kepler University Linz, Hagenberg, Austria, August 2016
19. Conference talk, Sage Days 78, University of British Columbia, June 2016
20. Seminar talk, University of Washington, April 2016
21. Seminar talk, Stanford University, February 2016

2015

22. Seminar talk, Nagoya University, December 2015

23. Invited conference talk, MAA MathFest 2015, Washington, D.C., August 2015
24. Seminar talk, Galileo Galilei Institute, Florence, June 2015
25. Invited conference talk, Clay Mathematics Institute, May 2015
26. Seminar talk, University of Chicago, May 2015
27. Invited conference talk, ICERM, April 2015
28. Colloquium talk, Dartmouth College, April 2015
29. Seminar talk, UC Davis, March 2015

2014

30. Invited conference talk, MAA MathFest 2014, Portland, August 2014
31. Invited conference talk, Erwin Schrödinger Institute of Mathematical Physics, Vienna, June 2014
32. Seminar talk, University of Wisconsin-Madison, April 2014
33. Seminar talk, University of Wisconsin-Madison, April 2014

2013

34. Conference talk, UC Davis, October 2013
35. Conference talk, UC Davis, May 2013
36. Seminar talk, UC Davis, May 2013
37. Seminar talk, UC Berkeley, April 2013
38. Colloquium talk, Tel Aviv University, March 2013
39. Seminar talk, Tel Aviv University, March 2013
40. Seminar talk, Cambridge University, March 2013
41. Seminar talk, Oxford University, March 2013
42. Invited conference talk, Simons Center for Geometry and Physics, February 2013

43. Invited conference talk, Banff International Research Station, September 2013

2010–2012

44. Invited conference talk, 8th World Congress in Probability and Statistics, Istanbul, July 2012

45. Invited conference talk, MSRI, January 2012

46. Seminar talk, Stanford University, November 2011

47. Seminar talk, UC Davis, November 2011

48. Invited conference talk, Bay Area Discrete Math Day, San Francisco State University, April 2011

49. Seminar talk, UC Davis, April 2011

50. Invited conference talk, The 34th Australasian Conference on Combinatorial Mathematics and Combinatorial Computing, Australian National University, Canberra, December 2010

51. Seminar talk, MSRI, December 2010

52. Seminar talk, Microsoft Research, October 2010

53. Seminar talk, University of Washington, October 2010

54. Seminar talk, UC Berkeley, April 2010

55. Seminar talk, Stanford University, April 2010

56. Invited conference talk, American Mathematical Society 2010 Spring Western Section Meeting, Albuquerque, April 2010

57. Colloquium talk, University of Southern California, April 2010

58. Seminar talk, UC Berkeley, March 2010

59. Invited conference talk, 28th Annual Western States Mathematical Physics Meeting, Caltech, February 2010

Teaching experience

- Taught a wide range of undergraduate and graduate classes at UC Davis, 2009–2018.
- Taught at the Hebrew University, 2007–2009.
- Taught at Tel Aviv University and the Weizmann Institute, 2003–2004.
- Teaching Assistant, Tel Aviv University, 1997–2001.

Professional service

• University service

- Mathematics Department Vice Chair of Academic Personnel, 2017-2018.
- Mathematics Department Chair, 2014-2017.
- Miscellaneous committee service, UC Davis, 2009-2018.
- Miscellaneous committee service, Hebrew University, 2007-2009.

• Conference organization

- Co-organizer of the workshop “Asymptotic algebraic combinatorics” to be held at the Banff International Research Station, March 2019.
- Organizer of the session “Random permutations and partitions” at the 12th International Vilnius Conference on Probability Theory and Mathematical Statistics and 2018 IMS Annual Meeting on Probability and Statistics, held in Vilnius, July 2018.
- Chair of the MSRI Committee of Academic Sponsors-Subcommittee on Sponsors Day (CAS-SSD), 2016-2017.
- Member of the program committee of the 28th International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2016), held in Vancouver, July 2016.
- Co-organizer of the workshop “Random matrices, random growth processes and statistical physics” held at the Simons Center for Geometry and Physics, September 2015.
- Co-organizer of the workshop “Random Sorting Processes Workshop” held at the Banff International Research Station, April 2006.

- **Review of papers and grants**

- National Science Foundation grant review panelist, 2010, 2014, 2016.
- Refereeing of grant applications for the National Science Foundation and Israeli Science Foundation.
- Refereeing of papers for many professional journals.