

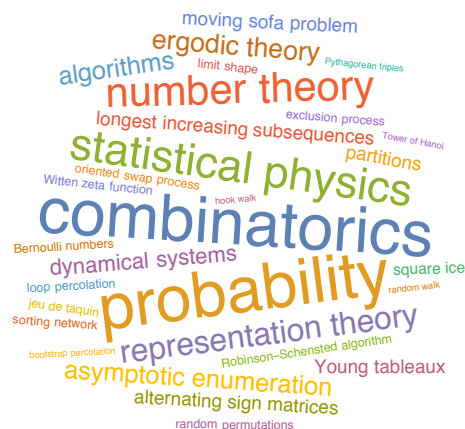
# Dan Romik

## Curriculum Vitae\*

Professor  
Department of Mathematics  
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## Research interests



## Employment: current positions

- **2017–present.** Vice Chair of Academic Personnel, Department of Mathematics, University of California, Davis.
- **2013–present.** Professor at the Department of Mathematics, University of California, Davis.

## Employment: previous positions

- **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.

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\*Date last updated: July 9, 2017

- **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.** 34 peer-reviewed publications (solely or jointly authored) in professional journals and 1 submitted preprint.

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

- **2012–2013.** Simons Fellowship in Mathematics.
- **2010–2016.** National Science Foundation (NSF) Faculty Early Career Development (CAREER) grant number DMS-0955584.
- **2008–2009.** Israeli Science Foundation (ISF) Individual Research Grant number 1051/08. Grant duration: 4 years. *Grant relinquished in summer 2009 due to my move from the Hebrew University to UC Davis.*

## 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

### 2017

1. Invited speaker, The 29th international conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2017), London, July 2017.
2. Invited speaker, The 28th International Meeting on Probabilistic, Combinatorial and Asymptotic Methods for the Analysis of Algorithms (AofA 2017), Princeton, June 2017.
3. Invited speaker, Workshop on Asymptotic Representation Theory, Institut Henri Poincaré, Paris, February 2017

### 2016

4. Seminar talk, Harvard University, December 2016.
5. Seminar talk, UC Davis, October 2016.
6. Seminar talk, University of Maryland, September 2016.
7. Seminar talk, University of Toronto, September 2016.

8. 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.
9. Conference talk, Sage Days 78, University of British Columbia, June 2016.
10. Seminar talk, University of Washington, April 2016.
11. Seminar talk, Stanford University, February 2016.

## **2015**

12. Seminar talk, Nagoya University, December 2015.
13. Invited conference talk, MAA MathFest 2015, Washington, D.C., August 2015.
14. Seminar talk, Galileo Galilei Institute, Florence, June 2015.
15. Invited conference talk, Clay Mathematics Institute, May 2015.
16. Seminar talk, University of Chicago, May 2015.
17. Invited conference talk, ICERM, April 2015.
18. Colloquium talk, Dartmouth College, April 2015.
19. Seminar talk, UC Davis, March 2015.

## **2014**

20. Invited conference talk, MAA MathFest 2014, Portland, August 2014.
21. Invited conference talk, Erwin Schrödinger Institute of Mathematical Physics, Vienna, June 2014.
22. Seminar talk, University of Wisconsin-Madison, April 2014.
23. Seminar talk, University of Wisconsin-Madison, April 2014.

## **2013**

24. Conference talk, UC Davis, October 2013.

25. Conference talk, UC Davis, May 2013.
26. Seminar talk, UC Davis, May 2013.
27. Seminar talk, UC Berkeley, April 2013.
28. Colloquium talk, Tel Aviv University, March 2013.
29. Seminar talk, Tel Aviv University, March 2013.
30. Seminar talk, Cambridge University, March 2013.
31. Seminar talk, Oxford University, March 2013.
32. Invited conference talk, Simons Center for Geometry and Physics, February 2013.
33. Invited conference talk, Banff International Research Station, September 2013.

**2010–2012**

34. Invited conference talk, 8th World Congress in Probability and Statistics, Istanbul, July 2012.
35. Invited conference talk, MSRI, January 2012.
36. Seminar talk, Stanford University, November 2011.
37. Seminar talk, UC Davis, November 2011.
38. Invited conference talk, Bay Area Discrete Math Day, San Francisco State University, April 2011.
39. Seminar talk, UC Davis, April 2011.
40. Invited conference talk, The 34th Australasian Conference on Combinatorial Mathematics and Combinatorial Computing, Australian National University, Canberra, December 2010.
41. Seminar talk, MSRI, December 2010.
42. Seminar talk, Microsoft Research, October 2010.
43. Seminar talk, University of Washington, October 2010.

44. Seminar talk, UC Berkeley, April 2010.
45. Seminar talk, Stanford University, April 2010.
46. Invited conference talk, American Mathematical Society 2010 Spring Western Section Meeting, Albuquerque, April 2010.
47. Colloquium talk, University of Southern California, April 2010.
48. Seminar talk, UC Berkeley, March 2010.
49. 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, 2009–2016.
- 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**

- Mathematics Department Chair, 2014-present.
- Miscellaneous committee service, UC Davis, 2009-2016.
- Miscellaneous committee service, Hebrew University, 2007-2009.
- Chair of the MSRI Committee of Academic Sponsors-Subcommittee on Sponsors Day (CAS-SSD), 2016-2017.
- Co-organizer of the workshop “Random matrices, random growth processes and statistical physics” held at the Simons Center for Geometry and Physics, September 2015.
- National Science Foundation panelist, 2010, 2014, 2016.
- Refereeing of grant applications for the National Science Foundation and Israeli Science Foundation.

- Refereeing of papers for many journals.
- Co-organizer of the workshop “Random Sorting Processes Workshop” held at Banff International Research Station, April 2006.