

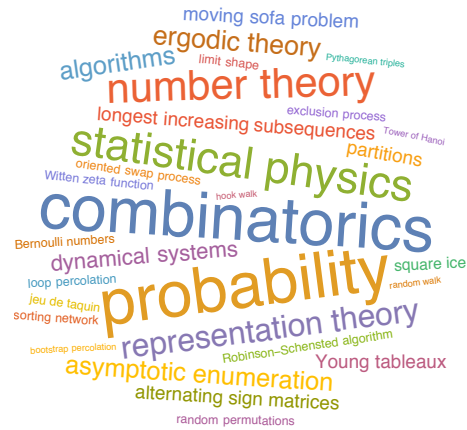
# Dan Romik

## Curriculum Vitae\*

Professor  
Department of Mathematics  
University of California, Davis  
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USA

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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

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\*Date last updated: November 13, 2021

- **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
- **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.** 40 peer-reviewed publications (solely or jointly authored) in professional journals, 2 publications in conference proceedings, 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

- **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

- Robert Scherer (Ph.D. 2021)
- Arvind Ayyer (Krener Assistant Professor post-doc, UC Davis, 2010–2013)
- Matan Karklinsky (M.Sc. 2009)

## Professional service

- **University service**
  - Mathematics Department Vice Chair of Academic Personnel, 2017-2018
  - Mathematics Department Chair, 2014-2017
  - Miscellaneous committee service, UC Davis, 2009-2021
  - Miscellaneous committee service, Hebrew University, 2007-2009
- **Conference organization**
  - Co-chair of the Program Committee of the 33rd International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2021), to be held in Ramat-Gan, Israel, July 2021
  - Co-organizer of the workshop “Asymptotic algebraic combinatorics” 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, 2018
- Refereeing of grant applications for the National Science Foundation, European Research Council and Israeli Science Foundation
- Refereeing of papers for many professional journals

## **Seminar, colloquium and conference talks since 2010**

### **2021**

1. Seminar talk, Mathematical Sciences Research Institute, Berkeley, November 2021

### **2020**

2. Seminar talk, Kent State University (online), October 2020
3. Seminar talk, UC Davis (online), October 2020
4. Invited conference talk, Banff International Research Station (online), September 2020
5. Conference talk, The 32nd international conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2020), online, July 2020
6. Invited conference talk, UCLA, February 2020
7. Seminar talk, UC Davis, February 2020

### **2019**

8. Seminar talk, UC Berkeley, December 2019
9. Invited conference talk, ICERM, November 2019
10. Seminar talk, MIT, November 2019
11. Colloquium talk, UC Berkeley, September 2019
12. Seminar talk, Rutgers University, April 2019
13. Seminar talk, Okinawa Institute of Science and Technology, February 2019

## **2018**

14. Seminar talk, UC Berkeley, October 2018
15. Invited conference talk, Randomness and Symmetry Workshop, University College Dublin, June 2018
16. Colloquium talk, UC San Diego, June 2018
17. Seminar talk, UC San Diego, June 2018
18. Invited conference talk, Columbia-Princeton Probability Day 2018, Columbia University, April 2018
19. Seminar talk, Rutgers University, April 2018
20. Conference talk, Mini-symposium on computational problems in low-dimensional topology, Okinawa Institute of Science and Technology, March 2018

## **2017**

21. Colloquium talk, Queen Mary University London, November 2017
22. Invited conference talk, Erwin Schrödinger Institute of Mathematical Physics, Vienna, November 2017
23. Seminar talk, UC Davis, November 2017
24. Invited speaker, The 29th international conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2017), London, July 2017

25. Invited speaker, The 28th International Meeting on Probabilistic, Combinatorial and Asymptotic Methods for the Analysis of Algorithms (AofA 2017), Princeton, June 2017
26. Invited speaker, Workshop on Asymptotic Representation Theory, Institut Henri Poincaré, Paris, February 2017

## 2016

27. Seminar talk, Harvard University, December 2016
28. Seminar talk, UC Davis, October 2016
29. Seminar talk, University of Maryland, September 2016
30. Seminar talk, University of Toronto, September 2016
31. 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
32. Conference talk, Sage Days 78, University of British Columbia, June 2016
33. Seminar talk, University of Washington, April 2016
34. Seminar talk, Stanford University, February 2016

## 2015

35. Seminar talk, Nagoya University, December 2015
36. Invited conference talk, MAA MathFest 2015, Washington, D.C., August 2015
37. Seminar talk, Galileo Galilei Institute, Florence, June 2015
38. Invited conference talk, Clay Mathematics Institute, May 2015
39. Seminar talk, University of Chicago, May 2015
40. Invited conference talk, ICERM, April 2015
41. Colloquium talk, Dartmouth College, April 2015

42. Seminar talk, UC Davis, March 2015

## **2014**

43. Invited conference talk, MAA MathFest 2014, Portland, August 2014

44. Invited conference talk, Erwin Schrödinger Institute of Mathematical Physics, Vienna, June 2014

45. Seminar talk, University of Wisconsin-Madison, April 2014

46. Seminar talk, University of Wisconsin-Madison, April 2014

## **2013**

47. Conference talk, UC Davis, October 2013

48. Conference talk, UC Davis, May 2013

49. Seminar talk, UC Davis, May 2013

50. Seminar talk, UC Berkeley, April 2013

51. Colloquium talk, Tel Aviv University, March 2013

52. Seminar talk, Tel Aviv University, March 2013

53. Seminar talk, Cambridge University, March 2013

54. Seminar talk, Oxford University, March 2013

55. Invited conference talk, Simons Center for Geometry and Physics, February 2013

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

## **2010–2012**

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

58. Invited conference talk, MSRI, January 2012

59. Seminar talk, Stanford University, November 2011

60. Seminar talk, UC Davis, November 2011
61. Invited conference talk, Bay Area Discrete Math Day, San Francisco State University, April 2011
62. Seminar talk, UC Davis, April 2011
63. Invited conference talk, The 34th Australasian Conference on Combinatorial Mathematics and Combinatorial Computing, Australian National University, Canberra, December 2010
64. Seminar talk, MSRI, December 2010
65. Seminar talk, Microsoft Research, October 2010
66. Seminar talk, University of Washington, October 2010
67. Seminar talk, UC Berkeley, April 2010
68. Seminar talk, Stanford University, April 2010
69. Invited conference talk, American Mathematical Society 2010 Spring Western Section Meeting, Albuquerque, April 2010
70. Colloquium talk, University of Southern California, April 2010
71. Seminar talk, UC Berkeley, March 2010
72. 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, 2009–2021
- 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