

Dan Romik

Curriculum Vitae

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General information

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Research interests

- Probability theory and combinatorics. I am particularly interested in: random combinatorial models, lattice models, enumerative and algebraic combinatorics, translation-invariant processes, exactly solvable models in statistical physics.

Current position

- 2011–present. Associate Professor at the Department of Mathematics, University of California, Davis.

Previous positions

- 2009–2011. Assistant Professor at the Department of Mathematics, University of California, Davis.
- 2007–2009. Senior Lecturer in 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.

- January–May, 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, under the supervision of Prof. David Gilat. The title of my thesis was “Randomized Central Limit Theorems - Probabilistic and Geometric Aspects”.
- 1997. *Summa Cum Laude* M.Sc. in Pure Mathematics at Tel-Aviv University, under the supervision of Prof. David Gilat.
- 1996. *Summa Cum Laude* B.Sc. in Mathematics at Tel-Aviv University.

Grants and awards

- **2012–2013** Recipient of the Simons Fellowship in Mathematics.
- **2010–2015** Recipient of the National Science Foundation (NSF) Faculty Early Career Development (CAREER) grant number DMS-0955584.
- **2008–2009** Recipient of the 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.*

Recent and upcoming scientific activities

- Invited speaker at the “Spatial stochastic models” session of the 8th World Congress in Probability and Statistics, July 9–14, 2012.
- Invited speaker at the workshop “Lattice Models and Combinatorics” at the Mathematical Sciences Research Institute (MSRI), Berkeley, January 16–20, 2012.

- Invited speaker at the 34th Australasian Conference on Combinatorial Mathematics and Combinatorial Computing (34ACCMCC), Canberra, Australia, December 6–10, 2010.
- Invited participant in the Discrete Probability Workshop, held on June 13–27, 2010 at the Banff International Research Station for Mathematical Innovation and Discovery (BIRS) in Banff, Alberta, Canada.
- Invited speaker at the 2010 American Mathematical Society’s Spring Western Section Meeting, in the session on Random Matrix Theory and Applications, Albuquerque, New Mexico, April 17–18, 2010.
- Invited speaker at the 28th Annual Western States Mathematical Physics Meeting, Caltech, February 15–16, 2010.
- Invited speaker at the Lunteren Stochastics Meeting 2008, November 17–19, 2008.
- Invited participant in the workshop “New Directions in Random Spatial Processes” at the Centre de Recherches Mathematiques, Montreal, Quebec, Canada, May 11–15, 2009.
- Invited participant in the IAS/Park City Mathematics Institute research program on Statistical Mechanics, July 2007.
- Invited speaker at the Seymour Sherman Conference on Probability and Statistical Physics, Indiana University, April 21-23, 2006.
- Co-organizer, jointly with Alexander Holroyd and Balint Virag, of the Random Sorting Processes Workshop, held on April 22-May 6, 2006 at the Banff International Research Station for Mathematical Innovation and Discovery (BIRS) in Banff, Alberta, Canada.

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–).