

# Curriculum Vitae

Asaf Nachmias — December 2018

Professor,

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**Research interests:** Probability theory and statistical physics.

## Education and previous positions

- 2000-2003, B.Sc. in mathematics and computer science (summa cum laude), Tel-Aviv university, Israel.
- 2003-2004, M.Sc. in mathematics, supervised by Prof. Michael Krivelevich, Tel-Aviv university, Israel.
- 2004-2008 Ph.D. in mathematics, supervised by Prof. Yuval Peres, university of California at Berkeley.
- Summer 2005, Research intern in the theory group of Microsoft research, Redmond, WA.
- 2008-2010 Postdoc in the theory group of Microsoft research, Redmond, WA.
- 2010-2011 Postdoc in the department of mathematics, Massachusetts Institute of Technology.
- 2011-2014 Asst. Prof. department of mathematics, University of British Columbia.
- 2014-2018 Assoc. Prof. department of mathematics, Tel Aviv university, Israel.
- 2018— present, Full Prof. department of mathematics, Tel Aviv university, Israel.

## Students

- 2011-2013 Hanna Cairns, M.Sc. (now math Ph.D. student in Cornell).
- 2012-2014 Hongliang Lu, M.Sc. student.
- 2013-2017 Tom Hutchcroft, Ph.D. student (will graduate in June 2017, then will hold Trinity junior fellowship and Herschel-Smith postdoc in Cambridge, UK).
- 2016— present, Peleg Michaeli, Ph.D. student
- 2016— present, Shaked Feldman, M.Sc student.
- 2017— present, Matan Shalev, M.Sc student.

## Postdocs supervision

- 2016-2017 present, Dr. Paul Smith.
- 2016— present, Dr. Raimundo Briceno.
- 2017— present, Dr. Daniel Jerison.
- 2017— present, Dr. Qingsan Zhu.
- 2018— present, Dr. Joshua Rosenberg.

## Grants

- 2010-2014 NSF grant #6923910 (150,000 USD).
- 2011-2015 NSERC Discovery grant (150,000 Canadian Dollars).
- 2015-2019 ISF grant 1207/15 (240,000 NIS per year)
- 2015-2020 ERC starting grant, RANDGEOM (ca 1,300,000 Euros)

## Selected lectures and courses

- *Hypathie* seminar, Marseilles, October 2009.
- Mathematics Colloquium, UCLA, October 2009.
- “Above the critical dimension” conference, Paris, December 2009.
- IMS Meeting, Chalmers university, Sweden, August 2010.
- Probability seminar, New York university, March 2011.
- CMS Meeting, Montreal, December 2012.
- “Percolation in high dimensions” mini-course in Oberwolfach, May 2013.
- “Random walks on random fractals” course in PIMS summer school in probability, June 2014 (24 hours of lectures; 80 international graduate students and postdocs).
- Charles-River lectures, plenary speaker, September 2016, MIT.
- A Mini-school on “Random maps and the Gaussian free field”, May 2017 (5 hours of lectures; 70 international graduate students and postdocs).
- “Stochastic processes and applications, Plenary speaker, June 11-15, 2018.
- St. Flour Lectures, plenary speaker, July 8-20, 2018.

## Conference organization

- “Random networks”, Oberwolfach, May 19-24, 2013.
- “Recent trends in stochastic analysis”, University of British Columbia, July 22-26, 2013.
- PIMS summer school in probability, University of British Columbia, June 2-27, 2014.
- “Probability on Trees and Planar Graphs”, Banff International Research Station, September 14-19, 2014.
- “Elegance in probability”: a conference honoring Russell Lyons 60th birthday, September 3-7, 2017.