

CURRICULUM VITÆ

Marek Biskup

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Education:

- *Master of Physics*: Charles University of Prague, 1994.
- *Master Class diploma*: Mathematical Research Institute, Utrecht 1995.
- *Doctor of Mathematics*: Catholic University of Nijmegen, 1999.
- *Docent of Probability and Mathematical Statistics*: Charles University of Prague, 2010.

Language skills:

- Czech, English, Russian, Dutch.

Academic Positions:

- *Post-doc Researcher*, Microsoft Research; 1999-2001.
- *Hedrick Assistant Professor*, UCLA, 2001-2004.
- *Assistant Professor*, UCLA, 2004-2005.
- *Associate Professor*, UCLA, 2005-2010.
- *Visiting Researcher*, Microsoft Research, 2007-2008.
- *Docent*, University of South Bohemia, 2008-2012.
- *Professor*, UCLA, 2012-present.

Awards and grants:

- Summer internship at Microsoft Research, June-September 1999.
- 2003-2005 National Science Foundation research grant NSF DMS-0306167.
- 2003 UCLA Mathematics Department Distinguished Teaching Award.
- 2005-2007 National Science Foundation research grant NSF DMS-0505356
- 2007-2010 US-Israel Binational Science Foundation research grant, BSF-2006477
- 2008-2011 National Science Foundation research grant DMS-0949250
- 2009 Laureat de prix Annales Henri Poincaré (with N. Berger, C. Hoffman, G. Kozma)
- IMS Medallion Lecturer, Gothenburg 2010
- Plenary speaker, Stochastic Processes and Applications, Osaka 2010.
- 2010-2012 National Security Agency research grant H98230-11-1-0171
- 2010-2013 GAČR research grant P201/11/1558
- 2011-2014 National Science Foundation research grant DMS-1106850
- 2014-2017 National Science Foundation research grant DMS-1407558
- IMS Fellow, 2016
- 2017-2020 National Science Foundation research grant DMS-1712632

- 2019-2022 US-Israel Binational Science Foundation research grant
- 2019-2022 National Science Foundation research grant DMS-1954343

Thesis Advisor and Mentor:

Graduate student advisor:

- N. Crawford (PhD 2007, now Assist. Prof. at Technion Haifa)
- S.A. Smith (PhD 2008, now at Facebook)
- T. Prescott (PhD 2008, now Assist. Prof. at UND Grand Forks)
- J. Lin (PhD 2017, now at Google)
- J. Gold (PhD 2017, now at Northwestern University)
- S. Lee (PhD 2019, currently at UCLA)

Undergraduate/graduate mentor:

- V. Siebenbrunner (Master in Economics, Univ. South Bohemia, 2010)
- A. Rozinov (at UCLA 2010-11, now grad student at Courant Inst.)
- T. Wolff (at UCLA in spring 2012, PhD at TU Berlin in May 2013)
- M. Salvi (at UCLA in spring 2012, PhD at TU Berlin in May 2013)
- M. Secci (now at UCLA, Master degree at Univ. Padova 2014)

Post-doctoral mentor:

- T. Richthammer (at UCLA 2007-10, now Prof. at Univ. Hildesheim, Germany)
- O. Loudior (at UCLA 2010-13, now Assistant Prof. at Technion Haifa)
- T. Antunović (at UCLA 2012-2015)
- E.B. Procaccia (at UCLA 2013-2015, now Associate Prof. at Technion Haifa)
- P.F. Rodriguez (at UCLA 2015-2018, now Lecturer at Imperial College London)

Synergistic activities:

- Associate editor of the *Electronic Journal of Communications in Probability* (2006-2014)
- Catalina school *Stochastic Loewner Equation & Applications*, August 2005 (organizer).
- *Special session on Probability and Statistical Mechanics*, AMS regional meeting, San Francisco, March 2006 (organizer).
- Oberwolfach Workshops: *Spatial Random Processes and Statistical Mechanics*, 2006, 2009, 2012 (organizer).
- Oberwolfach Miniworkshop: *Mathematical approaches to collective phenomena in large quantum systems*, September 2008 (organizer).
- 6th and 7th Prague School on Mathematical Statistical Physics, 2011 & 2013 (organizer).

Teaching experience:

- Undergraduate: Calculus (31AB, 32AB), upper division probability theory (170ABE and 171), real and complex analysis (131ABC and 132A), optimization (164)
- Graduate: probability (275ABCD) and analysis (245ABC)

- Topics courses (Path properties of Brownian motion, Domino Tilings, Statistical Mechanics of Ising model, Mean-field models of spin glasses, Algorithms, stochastic analysis, random Schrödinger operators, etc)
- Summer school teaching (2006 Prague School on Mathematical Statistical Physics; 2007 PCMI Summer School Undergraduate Program; 2009 Leipzig Herbstschule; 2011 Cornell Probability Summer School); 2016 Berlin-Leipzig school on Stochastic Analysis in Hejnice, Czech Republic; 2017 PIMS-CRM Summer School in Probability, schools in Bonn (2015), Hejnice (2016), Lyon (2017), Vancouver (2017), Haifa (2017), Atlanta (2018).

Research visits:

- The Fields Institute, Toronto, Canada, October-December 1998.
- Center for Theoretical Study, Prague, The Czech Republic, August 2002.
- Microsoft Research, Redmond, WA, June-July 2003; March 2005, June 2006, July 2007-May 2008.
- Kavli Institute for Theoretical Physics, August 2006.
- CPT-CNRS Luminy, Marseille, June 2007.
- WIAS Berlin, September 2010, August 2011
- RIMS Kyoto University, September-December 2013.

Other skills and interests:

- sports—hiking, swimming, skiing, ice-hockey.
- classical and jazz piano.
- computer programming (PostScript, C, HTML).

Publications:

See <http://www.math.ucla.edu/~biskup/papers.html>