

CURRICULUM VITAE

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Research interests

Discrete probability theory with particular emphasis on spatial models and random graphs.

Education (at Stockholm University=SU)

Jan 2000: Basic academic exam (magisterexamen) in mathematical statistics.

Nov 2001: Licentiate degree in mathematical statistics.

Jan 2004: PhD in mathematical statistics.

Sept 2008: Docent in mathematical statistics.

Employments

1999 - 2004: Graduate studentship in mathematical statistics at SU.

2004-2006: Postdoc positions at the Mittag-Leffler Institute, Vrije Universiteit Amsterdam, Chalmers and Eurandom/TU Delft.

2006 - 2010: Junior research position funded by The Swedish Research Council, placed at the Department of Mathematics, SU, with tenure track.

2010-2015: Associate professor (universitetslektor) in mathematical statistics, SU.

2015 - present: Professor in mathematical statistics, SU.

Parental leave

14 months during 2012-2014.

Teaching and administration (at the Department of Mathematics, SU)

2002 – 2004: Work with public relations, including contacts with media, schools and the general community.

2002 – 2004: Work in a project for increasing the recruitment of students from groups under-represented in higher education.

2006 - present: Lecturer and examiner on the courses Probability theory I, Probability theory II, Statistical Analysis, Stochastic processes I, Random graph models of complex networks.

2008 - 2011: Initiated and managed an alumni group at the department.

2011-present: Director of graduate studies in mathematical statistics.

Supervision (at the Department of Mathematics, SU)

PhD supervision: Mathias Lindholm (PhD Jan 2009, co-supervisor), Fabio Lopes (PhD Sept 2014), Sebastian Rosengren (2015 - present).

Supervisor of 2 master theses and 15 bachelor theses.

Research grants

2006: Junior research position, The Swedish Research Council, 3.2 Mkr.

2009: Project grant from The Bank of Sweden Tercentenary Foundation (main applicant Tom Britton, co-applicant Fredrik Liljeros), 2.7 Mkr.

2009: Strategic research grant from the Faculty of Science, SU, 1.2 Mkr.

2010: Project grant from The Swedish Research Council, 1.5 Mkr.

2012: Project grant from The Bank of Sweden Tercentenary Foundation (main applicant Tom Britton, co-applicant Fredrik Liljeros), 2.8 Mkr.

2014: Project grant from the Swedish Research Council, 2.8 Mkr.

Selected and recent conference talks (invited)

European Meeting of Statisticians (Oslo) 2005, New directions in random spatial processes (Montreal) 2009, Workshop on interacting particle system in honor of Tom Liggett's 65th birthday (Beijing) 2009, Focus group on large graphs and complex networks (Budapest) 2009, Dynamic random environments (Eurandom) 2009, 10th Vilnius conference on probability and mathematical statistics 2010, Women in probability (Munich) 2010, Stochastic processes and their applications (Kyoto) 2010, Random graphs and the brain (Eurandom) 2011, 16th Applied probability society conference (Stockholm) 2011, Networks: stochastic models for populations and epidemics (Edinburgh) 2011, Winter meeting of the Canadian mathematical society (Toronto) 2011, Nordic congress of mathematicians (Lund) 2013, Random discrete geometry (Varberg) 2013, Dutch annual stochastics meeting (Lunteren) 2013, Mark Kac meeting (Utrecht) 2014, Recent developments in probability (Bath) 2015, Dynamical networks and network dynamics (Edinburgh) 2016, Nordic congress of mathematicians (Stockholm) 2016.

Mini-course: Summer school on random geometry (Reykjavik) 2011, main lecturer.

Long-term visits

March - May 2007: IPAM (UCLA), Los Angeles.

Nov 2008: Institute Henri Poincare, Paris.

Spring 2009: Institute Mittag-Leffler.

Sept 2009: Collegium Budapest.

Feb 2010: Microsoft Research (Theory Group), Seattle.

March 2015: Isaac Newton Institute, Cambridge.

Organizational work

2001 - 2004: Organizer of the seminar series in mathematical statistics at SU.

2002: Member of the organizing committee for the 19th Nordic Conference on Mathematical Statistics in Stockholm.

2007: Organizer of the one-week workshop "Random graphs and complex networks" at Eurandom (jointly with Remco van der Hofstad).

2009: Organizer of an invited session on stochastic networks at the 27:th European Meeting of Statisticians in Toulouse.

2010: Organizer of the one-week workshop "Networks: modeling and applications" in Öregrund (jointly with Tom Britton and Fredrik Liljeros).

2015: Organizer of the four-day workshop "Dynamical processes on networks", in Sigtuna (jointly with Tom Britton and Fredrik Liljeros).

Referee assignments

Referee for a junior research position in discrete probability at Chalmers (2006) and positions as senior lecturer at Chalmers (2012) and in Luleå (2012).

Member of the examination board at the PhD defence of Niclas Petersson (Uppsala 2009), Andreas Lindell (Stockholm 2009), Marcus Warfheimer (Chalmers 2010), Anders Södergren (Uppsala 2010), Thorbjörn Gudmundsson (KTH 2015), Erik Duse (KTH 2015).

Discussion leader at the licentiate presentation of Emilio Bergroth (Chalmers 2011).

Referee for journals in probability and discrete mathematics, around 5 assignments per year.

Member of the evaluation panel in mathematics at the Swedish Research Council (2011, 2012, 2013).