

Tom Hutchcroft

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EDUCATION

- 2013- **PhD** in mathematics, co-supervised by Prof. Omer Angel and Prof. Asaf Nachmias, University of British Columbia, Canada.
- 2015 Intern in the Microsoft Research Theory Group, USA. Mentored by Alexander Holroyd and Yuval Peres.
- 2012-2013 **MMath** in mathematics (Part III of the Mathematical Tripos), University of Cambridge, UK. Pass with distinction. Essay title: '*The Gaussian Free Field*'.
- 2009-2013 **BA** in mathematics, University of Cambridge, UK. First class honours.

PUBLICATIONS

- 2015 *Interlacements and the Wired Uniform Spanning Forest*, **submitted**.
Boundaries of Planar Graphs: A Unified Approach, with Y. Peres, **preprint**.
Indistinguishability of Trees in Uniform Spanning Forests, with A. Nachmias, **submitted**.
Collisions of Random Walks in Reversible Random Graphs, with Y. Peres, **Electronic Communications in Probability**, **20**, no. **63**, 1-6, **2015**.
Wired Cycle-Breaking Dynamics for Uniform Spanning Forests, **Annals of Probability**, **to appear**.
Unimodular Hyperbolic Triangulations: Circle Packing and Random Walk, with O. Angel, A. Nachmias and G. Ray, **Inventiones Mathematicae**, **to appear**.

AWARDS, SCHOLARSHIPS AND OTHER HONOURS

- 2016 Microsoft Research Fellowship
2015 UBC Graduate Research Award

TALKS

- 2016 Probability and Statistical Physics Seminar, University of Chicago.
2015 MSR Talk Series, Microsoft Research.
Geometric Functional Analysis and Probability Seminar, Weizmann Institute.
Horowitz Seminar, Tel Aviv University.
Groups, Graphs, and Stochastic Processes, Banff International Research Centre.
2014 Probability Seminar, University of British Columbia.
Probability on Trees and Planar Graphs, Banff International Research Centre.

CONFERENCES AND SUMMER SCHOOLS ATTENDED

- 2015 Groups, Graphs, and Stochastic Processes, Banff International Research Centre.
Random Planar Structures and Statistical Mechanics, Isaac Newton Institute, Cambridge.
2014 Probability on Trees and Planar Graphs, Banff International Research Centre.
PIMS Probability Summer School, UBC.

TEACHING

Instructor, MATH 110, UBC.	2015
MATH 110 Workshop Facilitator, UBC.	2014
Math Learning Centre Tutor, UBC.	2013-

OTHER EXPERIENCE

Member of the King's College Student Union steering committee.	2012-2013
Junior Member of the King's College governing body.	2011-2012
Member of the King's College Student Union executive committee.	