

Ioan MANOLESCU

PERSONAL DATA

BIRTH: Romania — 4th of February 1984
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WORK AND EDUCATION

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| since 2015 | Associate professor at the University of Fribourg (CH). |
| 2012 – 2015 | PostDoc , supervisor Prof. S. Smirnov – University of Geneva (CH). |
| 2009 – 2012 | PhD in Mathematics , supervisor Prof. G. Grimmett – University of Cambridge (UK). |
| 2007 – 2008 | Masters in Probability (M2) – Pierre et Marie Curie University, Paris (FR). |
| 2005 – 2009 | Student of the Ecole Normale Supérieure – department of mathematics and applications, Paris (FR). |
| 2003 – 2005 | Preparatory classes MPSI / MP – Louis Le Grand high school, Paris (FR). |

PUBLICATIONS

- [9] *Expected depth of random walks on groups*, with K. bou-Rabee and A. Myropolska, Preprint (2016)
- [8] *The phase transitions of the random-cluster and Potts models on slabs with $q \geq 1$ are sharp*, with A. Raoufi, arXiv:1604.01299, Preprint (2016)
- [7] *The phase transitions of the planar random-cluster and Potts models with $q \geq 1$ are sharp*, with H. Duminil-Copin, arxiv:1409.3748, Probability Theory and Related Fields (2016)
- [6] *Scaling limits and influence of the seed graph in preferential attachment trees*, with N. Curien, T. Duquesne and I. Kortchemski, arXiv:1406.1758, Journal de l'École Polytechnique (2015)
- [5] *Planar lattices do not recover from forest fires*, with D. Kiss and V. Sidoravicius, arXiv:1312.7004, Annals of Probability (2015)
- [4] *On the probability that self-avoiding walk ends at a given point*, with H. Duminil-Copin, A. Glazman and A. Hammond, arXiv:1305.1257, Annals of Probability (2016)
- [3] *Bond percolation on isoradial graphs: criticality and universality*, with G. Grimmett, arXiv:1204.0505, Probability Theory and Related Fields (2014)
- [2] *Universality for bond percolation in two dimensions*, with G. Grimmett, arXiv:1108.2784, Annals of Probability (2013)
- [1] *Inhomogeneous bond percolation on square, triangular and hexagonal lattices*, with G. Grimmett, arXiv:1105.5535, Annals of Probability (2013)

TALKS

- 2016** Inhomogeneous Random Systems, IHP, Paris (FR) – conference
 University of Columbia (US) – seminar
 University of Zurich (CH) – seminar
 University of Bern (CH) – seminar
- 2015** University of Bristol (UK) – seminar
 University of Bath (UK) – seminar
 Random Planar Structures, Newton Institute, Cambridge (UK) – conference
- 2014** Journée cartes aléatoires, IHES, Bure-sur-Yvette (FR) – conference
 Tel Aviv university, Tel Aviv (IL) – seminar
 Pierre et Marie Curie University, Paris (FR) – seminar
 Two-Dimensional statistical mechanics, Les Diablerets (CH) – conference
- 2013** Journée de Probabilités Lyon-Genève, Genève (CH) – conference
 IMPA, Rio de Janeiro (BR) – seminar
 Statistical physics in Lugdunum, Lyon (FR) – conference
 Geometry and Analysis of Random Processes: UK Probability Meeting, Cambridge (UK) – conference
 University of Oxford (UK) – seminar
 Two-Dimensional statistical mechanics, Les Diablerets (CH) – conference
 Tsinghua-Sanya International Mathematics Forum, Sanya (CN) – conference
- 2012** ENS Lyon (FR) – seminar
 Workshop Scaling Limits in Models of Statistical Mechanics, Oberwolfach (DE) – conference
 Conformal Invariance, Discrete Holomorphicity and Integrability, Helsinki (FI) – conference
 Two-Dimensional statistical mechanics, Les Diablerets (CH) – double talk, conference
 Young European Probabilists, Eurandom, Eindhoven (NL) – conference
 University of Warwick (UK) – seminar
- 2011** School on Mathematical Statistical Physics, Prague (CZ) – conference

LONG TERM VISITS

- Jan. 2015 Weizmann Institute of Science, Rehovot (IL) — 2 weeks
 Mar. 2014 Pierre et Marie Curie University, Paris (FR) — 2 weeks
 Aug. 2013 IMPA, Rio de Janeiro (BR) — 3 weeks
 Oct. – Nov. 2009 Microsoft research, Redmond (US) — 3 weeks
 Sept. – Dec. 2007 Stanford University, Palo Alto (US) — 3 months

TEACHING

- 2015 – present Teaching activities at the University of Fribourg
 Linear algebra (introductory course for non-mathematicians)
 Introduction to probability (2nd year class)
 Measure theory (3rd year class)
 Seminar on statistical mechanics (student presentations)
 Probability (3rd year class)
- 2012 – 2015 Teaching activities at the University of Geneva
 Teaching assistant for Theory of Percolation (master class)
 Teaching assistant for Brownian Motion and Stochastic Calculus (master class)
 Teaching assistant for Analysis III (3rd year class)
 Teaching assistant for Probability and Statistics (2nd year class)
 Teaching assistant for Analysis I (1st year class)
 Tutoring for first year students
 Substitute teaching of Brownian Motion and Stochastic Calculus and Analysis III
- 2009 – 2012 Teaching activities at the University of Cambridge
 Supervisor for Probability I (1st year class)
 Supervisor for Analysis II (2nd year class)
 Supervisor for Advanced Probability (master class)
 Teaching assistant for Percolation (master class)
 Marking STEP examination (for undergraduate admission process)

ORGANISATIONAL ACTIVITIES

- Feb. 2015 - Sept. 2015 Co-organiser of the mathematical physics seminar of the University of Geneva (CH)
- Feb. 2015 Co-organiser for the conference Topics in low dimensional statistical mechanics, Les Diablerets (CH)
- Sept. 2014 Co-organiser for the stochastic processes session of the 12th Franco-Romanian colloquium in Applied Mathematics, Lyon (FR)
- Feb. 2014 Co-organiser for the conference Two-Dimensional statistical mechanics, Les Diablerets (CH)

AWARDS AND SCHOLARSHIPS

- 2009 – 2012 PhD Scholarships: EPSRC grant, Cambridge European trust grant, departmental grant from the Mathematics department of the University of Cambridge
- 2012 Grant of the Peter Whittle Fund
- 2009 – 2012 Jesus college travel grants
- 2010 First place in the Smith-Knight and Rayleigh-Knight competitions for essays in Mathematics and its application — competitions for Cambridge PhD students in mathematics and related topics
- 2003 Bronze medal at the International Mathematical Olympiads

LANGUAGES

ROMANIAN: Mothertongue
ENGLISH: Fluent
FRENCH: Fluent
GERMAN: Basic Knowledge