

Curriculum vitæ

Olaf Parczyk | Born 15.11.1988 in Frankfurt am Main

Education

Ph.D. in Mathematics, Goethe-Universität Frankfurt am Main 2014 – 2017
Thesis: Spanning structures in random graphs and hypergraphs
Advisor: Jun.-Prof. Dr. Yury Person

M.Sc. in Mathematics, Freie Universität Berlin 2013 – 2014
Thesis: On Sidorenko's Conjecture
Advisor: Prof. Dr. Tibor Szabó

B.Sc. in Mathematics, Freie Universität Berlin 2009 – 2013
Thesis: The Combinatorial Nullstellensatz
Advisor: Prof. Dr. Tibor Szabó

Teaching & Admin

Teaching Assistant (Tutor) FU Berlin, 2011 – 2014
for various classes Goethe-Universität, 2016 – 2017

Organization of research workshop August 2016

Refereeing for Discrete Applied Mathematics, SIDMA, ENDM, and SODA

Preprints

Embedding spanning bounded degree subgraphs in randomly perturbed graphs
with J. Böttcher, R. Montgomery, and Y. Person, arXiv:1802.04603.

Universality of bounded degree spanning trees in randomly perturbed graphs
with J. Böttcher, J. Han, Y. Kohayakawa, R. Montgomery, and Y. Person,
arXiv:1802.04707.

Finding tight Hamilton cycles in random hypergraphs faster
with P. Allen, C. Koch, and Y. Person, arXiv:1710.08988.

Thresholds for anti-Ramsey properties of cycles and cliques
with Y. Kohayakawa, G. O. Mota, and J. Schnitzer, in preparation.

Publications

On universal hypergraphs with S. Hetterich and Y. Person,
The Electronic Journal of Combinatorics **23** (2016), no 4, P4.28.

Spanning structures and universality in sparse hypergraphs
with Y. Person, Random Structures & Algorithms **49** (2016), no 4, 819–844.

Conference Proceedings

Finding tight Hamilton cycles in random hypergraphs faster
with P. Allen, C. Koch, and Y. Person, proceedings of LATIN 2018.

Embedding spanning bounded degree subgraphs in randomly perturbed graphs
with J. Böttcher, R. Montgomery, and Y. Person, ENDM **61** (2017), 155–161.

On spanning structures in random hypergraphs
with Y. Person, ENDM **49** (2015), 611–619.

Talks

Randomly perturbed graphs in Research Seminars at ETH Zürich and LSE in 2018
Finding tight Hamilton cycles in random hypergraphs faster at RS&A 2017
Embedding spanning bounded degree subgraphs in randomly perturbed graphs
at the University of Warwick in 2017 and at EuroComb2017
Explicit construction of universal hypergraphs at PCC 2016 and at LSE 2017
Universality in random and sparse hypergraphs at KolKom2015 and
in Research Seminars at FU Berlin 2015, USP in 2016, and Prague in 2017
Spanning structures in sparse hypergraphs at EuroComb2015
Spanning structures and universality in sparse hypergraphs at RS&A 2015 and
at Kolloquium Mathematische Informatik at Goethe Universität in 2015
On Sidorenko's conjecture
in Research Seminars at Goethe Universität and FU Berlin in 2014

Conferences, Workshops & Visits

EuroComb2017 Conference in Vienna
Random Structures & Algorithms 2017 18th Conference in Gniezno
Warwick university two-week research visit, June 2017 in Warwick
USP one-month research visit, March 2017 in São Paulo
Large-scale structures in random graphs Workshop 2016 in London
6th Polish Combinatorial Conference 2016 in Będlewo
Group Workshop AG Szabó 2016 in Brandenburg
Joint Frankfurt-TU Graz Research Workshop Söllerhaus 2016 in Kleinwalsertal
7th European Congress on Mathematics 2016 in Berlin
Symposium Diskrete Mathematik 2016 in Berlin
Joint FUB-TAU Research Workshop Positional Games 2016 in Berlin
USP one-month research visit, January 2016 in São Paulo
Kolloquium on Combinatorics 2015 in Ilmenau
Cargèse fall school on random graphs 2015 in Corsica
EuroComb2015 Conference in Bergen
Random Structures & Algorithms 2015 17th Conference in Pittsburgh
Research School Regularity and Analytic Methods 2015 in Warwick
Berlin-Poznań Seminar on Discrete Mathematics 2015 in Berlin
Berlin-Poznań Seminar on Discrete Mathematics 2014 in Hamburg

References

on request