BENEDIKT STUFLER

Assistant Professor of Mathematics

Homepage: http://www.dmg.tuwien.ac.at/stufler/

PERSONAL INFORMATION

Address: Institut für Diskrete Mathematik und Geometrie
Technische Universität Wien
Wiedner Hauptstraße 8–10
A-1040 Wien

POSITIONS

Assistant Professor, Vienna University of Technology *since 2020*
Institute of Discrete Mathematics and Geometry

Postdoctoral Researcher, Ludwig-Maximilians-Universität München *2019 – 2020*
Institute of Mathematics

Postdoctoral Researcher, Universität Zürich *2017 – 2019*
Institute of Mathematics
Board member of the association of doctoral students, postdocs and scientific employees

Postdoctoral Researcher, École Normale Supérieure de Lyon *2016 – 2017*
Unit of Mathematics, Pure and Applied (UMPA)
Research Fellowship by Deutsche Forschungsgemeinschaft (STU 679/1-1)

DEGREES

Habilitation in Mathematics, Technische Universität Wien *2022*
Thesis: *Probabilistic analysis of large discrete structures.*

PhD Mathematics, Ludwig-Maximilians-Universität München *2015*
Thesis: *Scaling limits of random trees and graphs.* Supervised by Konstantinos Panagiotou
Referees: Jean-François Le Gall, Michael Drmota, Konstantinos Panagiotou

Diploma in Mathematics (perfect score), Ludwig-Maximilians-Universität München *2013*
Thesis: *Coxeter groupoids.* Supervised by Hans-Jürgen Schneider

AWARDS

Research Fellowship (STU 679/1-1) by Deutsche Forschungsgemeinschaft *2016*
SDV-Scholarship for a study abroad year at the Universidad de Buenos Aires *2011*
Fellowship by Studienstiftung des Deutschen Volkes *2010*

RESEARCH INTERESTS

My research interests lie at the interface of combinatorics and probability theory. I combine stochastic process methods with combinatorial constructions to study models of random discrete structures, including various kinds of trees, graphs, maps, partitions, and permutations.

I enjoy writing open source software (github projects: `https://github.com/BenediktStufler/`) for the efficient sampling of random discrete structures. I have taught courses on interesting topics like Hopf algebras (with lecture notes available at: `https://www.dmg.tuwien.ac.at/stufler/lec/2018hopf/hopf.pdf`) and Random Trees.

RECENT INVITED TALKS (2017+)

Technische Universität Wien	*05/2022*
Extremal and Probabilistic Combinatorics Webinar	*12/2021*
Journée MathStic: Combinatoire et Probabilités, Paris	*10/2021*
DMV-OEMG Jahrestagung, Mini-Symposium "Connecting young researchers by networks"	*09/2021*
Analysis of Algorithms 2021 Conference, Klagenfurt	*06/2021*
RandNET International Seminar	*03/2021*
Uppsala University	*12/2020*
Vienna Probability Seminar (IST, Universität Wien, TU Wien)	*11/2020*
Seminar Arbeitsgemeinschaft Diskrete Mathematik (Universität Wien, TU Wien)	*11/2020*
Analysis of Algorithms 2020 Conference, Video Talk	*06/2020*
Imperial College London	*01/2020*
Technische Universität Wien	*12/2019*
ÖMG-Tagung Dornbirn, Minisymposium "Enumerative and Algebraic Combinatorics"	*09/2019*
The 19th International Conference on Random Structures and Algorithms	*07/2019*
Random Trees and Graphs Summer School, CIRM Luminy	*07/2019*
Analysis of Algorithms 2019 Conference, CIRM Luminy	*06/2019*
ANR-FWF-MOST meeting, Technische Universität Wien	*10/2018*
Technische Universität München	*10/2018*
Analysis of Algorithms 2018 Conference, Uppsala University	*06/2018*
Mathematisches Forschungsinstitut Oberwolfach, Enumerative Combinatorics Workshop	*05/2018*
Universität Hamburg	*04/2018*
SFB Statusseminar in Strobl, Algorithmic and Enumerative Combinatorics	*12/2017*
Universität Zürich	*11/2017*
Universidad de Buenos Aires	*04/2017*
University of Oxford	*03/2017*
University of Birmingham	*03/2017*
University of Iceland	*01/2017*