

FLORIAN KRANHOLD

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Mathematical Institute
University of Bonn
Endericher Allee 60
53115 Bonn
kranhold@math.uni-bonn.de

EDUCATION

- SINCE 2018 **PhD (Dr. rer. nat.) in Mathematics**
University of Bonn, Max Planck Institute for Mathematics
Member of the International Max Planck Research School (IMPRS)
Advisor: Carl-Friedrich Bödigheimer
Expected graduation: March 2022
- 2015–2018 **Master of Science (MSc) in Mathematics**
Universities of Tübingen and Bonn
Thesis: *Moduli spaces of Riemann surfaces and symmetric products*
Advisor: Carl-Friedrich Bödigheimer
Mark: 1.0 ('excellent')
- 2012–2015 **Bachelor of Science (BSc) in Mathematics**
University of Tübingen
Thesis: *Projektive Kurven, Riemannsche Flächen und Funktionenkörper*
Advisor: Jürgen Hausen
Mark: 1.0 ('very good')

PREPRINTS

- 05/2021 **Parametrised moduli spaces of surfaces as infinite loop spaces**
with A. Bianchi and J. Reinhold, [arXiv:2105.05772](https://arxiv.org/abs/2105.05772)
- 04/2021 **Configuration spaces of clusters as E_d -algebras**
[arXiv:2104.02729](https://arxiv.org/abs/2104.02729)
- 03/2021 **Vertical configuration spaces and their homology**
with A. Bianchi, [arXiv:2103.12137](https://arxiv.org/abs/2103.12137)

SCHOLARSHIPS

- SINCE 2019 **Studienstiftung des deutschen Volkes**
PhD stipend („Promotionsstipendium“)
- SINCE 2018 **International Max Planck Research School**
PhD stipend (until 02/2020), Grant agreement (since 03/2020)
- 2018 **Studienstiftung des deutschen Volkes**
Exposé scholarship (offered)
- 2012–2018 **Studienstiftung des deutschen Volkes**
Scholarship

INVITED TALKS

- 11/2021 📅 **Configuration spaces of clusters as E_d -algebras**
Workshop: *Homology and homotopy of configuration spaces*, Copenhagen
- 11/2021 📅 **Vertical configuration spaces and their homological stability**
Seminar: *Moduli and Friends*, Bucharest (online)
- 09/2021 **Parametrised moduli spaces of surfaces as infinite loop spaces**
Topology seminar, Purdue University, Indiana (online)
- 05/2020 **Clustered configurations and asphericity**
Seminar: *Arrangements and symmetries*, Bochum (online)
- 01/2020 **Operadic actions on moduli spaces of Riemann surfaces**
Topology Oberseminar, Bochum
- 09/2019 **Operadic actions on moduli spaces of Riemann surfaces**
Working group of Linus Kramer, Münster
- 📅 upcoming

CONFERENCES AND WORKSHOPS ATTENDED

- 07/2021 ☞ Young Topologists Meeting, Stockholm (online)
- 06/2021 Masterclass: *High-dimensional cohomology of moduli spaces*, Copenhagen (online)
- 06/2021 ☞ TopFlavours seminar, Warwick (online)
- 05/2021 Seminar: *Cellular E_k -algebras*, Oberwolfach (online)
- 08/2020 24h Operad Pop-Up (online)
- 09/2019 Workshop: *Automorphisms of manifolds*, Bonn
- 07/2019 Young Topologists Meeting, Lausanne
- SINCE 2018 Several NRW Topology Meetings, Münster/Bochum/Düsseldorf
- ☞ contributed a research talk

TEACHING EXPERIENCE

- 2020 **Organisation of graduate seminars (1 term)**
Operads in Algebra and Topology, together with Andrea Bianchi
- 2017 – 2021 **Teaching assistant at the University of Bonn (9 terms)**
Algebraic Topology I + II, Carl-Friedrich Bödigheimer
Algebraic Topology II, Christoph Winges
Three topology courses, Wolfgang Lück
Topology II, Daniel Kasprowski
Analysis I, Herbert Koch
Analysis II, Barbara Niethammer
- 2014 – 2017 **Teaching assistant at the University of Tübingen (5 terms)**
Analysis I, Stefan Teufel
Analysis I – IV, Frank Loose