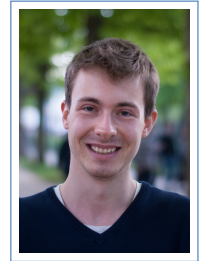


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Positions

2019–now **PostDoc in mathematics**, *RWTH Aachen University*, Aachen.

Education

2016–2019 **PhD in mathematics**, *Technical University of Munich*, Munich.
under supervision of Prof. Massimo Fornasier

2013–2015 **Master of Science**, *Technical University of Munich*, Munich, 1.2 - *passed with high distinction*.
Mathematics

2011–2013 **Bachelor of Science**, *Technical University of Munich*, Munich, 1.9 - *passed with merit*.
Mathematics with minor in computer science

2011 **TwoInOne program**, *Technical University of Munich*, Munich.
Special program to shorten Bachelor's degree

2003–2011 **University-entrance diploma**, *Erasmus Grasser Gymnasium*, Munich, 1.2 - *passed with high distinction*.

Theses

Ph.D. thesis *Recovery Algorithms for Quantized Compressed Sensing*;
Advisor Prof. Massimo Fornasier

M.Sc. thesis *Weighted Energy-Dissipation Approximation for an Optimal Control Problem*;
Advisor Prof. Martin Brokate

Experience

Teaching

2020 **Teaching assistant for "Optimization"**, *RWTH University Aachen*, Aachen.

2019/2020 **Teaching assistant for "Repetitorium - Höhere Mathematik II"**, *RWTH University Aachen*, Aachen.

2019 **Teaching assistant for "Höhere Mathematik II"**, *RWTH University Aachen*, Aachen.

- 2018 **Teaching assistant for "Foundations of Data Analysis"**, *Technical University of Munich*, Munich.
- 2012/2014 **Teaching assistant for "Analysis für Informatiker"**, *Technical University of Munich*, Munich.
- [Thesis supervision](#)
- 2020 **Advisor for Bachelor's Thesis "On the relation between stability and regularisation for Support Vector Machines"** of Havva Akcay, *RWTH University Aachen*, Aachen.
- 2019 **Advisor for Master's Thesis "Non-Convex Approaches to Compressed Sensing and Robust Recovery of Simultaneously Structured Signals from Inaccurate and Incomplete Information"** of Konstantin Riedl, *Technical University of Munich*, Munich.
- 2018 **Advisor for Master's Thesis "Near-Optimal Data-Driven ℓ_1 -Regularization"** of Judith Wewerka, *Technical University of Munich*, Munich.
- [International](#)
- 2014–2015 **Semester abroad**, *Nanyang Technological University*, Singapore.
- [Vocational](#)
- 2012–2015 **Work experience and working student**, *Siemens*, Munich.
 Work on pedestrian flow simulation based on cellular automata and enhancements of simulator

List of Publications

Accepted and Published Articles

- [1] **J. Maly and L. Palzer**, "Analysis of Hard-Thresholding for Distributed Compressed Sensing with One-Bit Measurements", 2018, *to appear in Information and Inference: A Journal of the IMA*, *arXiv preprint*: <https://arxiv.org/abs/1805.03486>.

Submitted Preprints to Refereed Journals

- [2] **H. C. Jung, J. Maly, L. Palzer, and A. Stollenwerk**, "Quantized Compressed Sensing by Rectified Linear Units", 2019, *arXiv preprint*: <https://arxiv.org/abs/1911.07816>.
- [3] **Z. Kereta, J. Maly, and V. Naumova**, "Linear convergence and support recovery for non-convex multi-penalty regularization", 2019, *arXiv preprint*: <https://arxiv.org/abs/1908.02503>.
- [4] **M. Iwen, F. Krahmer, S. Krause-Solberg, and J. Maly**, "On Recovery Guarantees for One-Bit Compressed Sensing on Manifolds", 2018, *arXiv preprint*: <https://arxiv.org/abs/1807.06490>.
- [5] **M. Fornasier, J. Maly and V. Naumova**, "Robust Recovery of Low-Rank Matrices with Non-Orthogonal Sparse Decomposition from Incomplete Measurements", 2018, *arXiv preprint*: <https://arxiv.org/abs/1801.06240>.

Conference Papers

- [6] **H. C. Jung, J. Maly, L. Palzer, and A. Stollenwerk**, "Quantized Compressed Sensing by Rectified Linear Units", 2020, *accepted to iTWIST'20 workshop*.
- [7] **S. Dirksen, M. Iwen, S. Krause-Solberg, and J. Maly**, "Robust One-bit Compressed Sensing With Manifold Data", 2019, *International Conference on Sampling Theory and Applications (SampTA)*, <https://sampta2019.sciencesconf.org/267528/document>.
- [8] **H. C. Jung, J. Maly, L. Palzer, and A. Stollenwerk**, "One-Bit Compressed Sensing by Convex Relaxation of the Hamming Distance", 2019, *SPARS workshop*.
- [9] **Z. Kereta, J. Maly, and V. Naumova**, "Linear convergence and support recovery for non-convex multi-penalty regularisation", 2019, *SPARS workshop*.
- [10] **M. Fornasier, J. Maly and V. Naumova**, "Robust Recovery of Low-Rank Matrices using Multi-Penalty Regularization", 2017, *NIPS workshop Optimization for Machine Learning, Long Beach*, <http://opt-ml.org/papers.html>.
- [11] **S. Krause-Solberg and J. Maly**, "A tractable approach for one-bit Compressed Sensing on manifolds", 2017, *International Conference on Sampling Theory and Applications (SampTA)*, <https://ieeexplore.ieee.org/document/8024465>.