Johannes Lenfers

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Education

since 2019	**Ph.D. studies**, *Westfälische Wilhelms-Universität Münster*, Münster, Germany. Supervisors: Prof. Sergei Gorlatch & Dr. Michel Steuwer (University of Edinburgh
2017–2019	**Master of Science in computer scicence**, *Westfälische Wilhelms-Universität Münster*, Münster, Germany.
2013–2017	**Bachelor of Science in computer science**, *Westfälische Wilhelms-Universität Münster*, Münster, Germany.

Research Visits

02/2020 – 03/2020	**Visiting Researcher (2 months)**, *University of Glasgow*, Glasgow, UK. Funded by EuroLab-4-HPC

Publications

2020	[1] B. Hagedorn, J. Lenfers, T. Kœhler, X. Qin, S. Gorlatch, and M. Steuwer. "Achieving High-Performance the Functional Way: A Functional Pearl on Expressing High-Performance Optimizations as Rewrite Strategies". In: *Proc. ACM Program. Lang.* 4.ICFP (Aug. 2020). DOI: 10.1145/3408974. URL: https://doi.org/10.1145/3408974.

Research Projects

since 10/2019	**ELEVATE**, *A Language for Describing Program Transformations*. Ongoing Research: *(elevate-lang.org)*
since 10/2019	**RISE**, A Functional Pattern-Based Data-Parallel Language. Ongoing Research: *(rise-lang.org)*
since 04/2017	**Lift**, *A Novel Approach to Achieving Performance Portability on Accelerators*. Ongoing Research: *(lift-project.org)*

Reviewer

2020	CC 2020 artifact evaluation committee.

Teaching

Winter '21	Teaching assistant for the course: *Distributed Systems*.
Summer '20	Teaching assistant for the course: *Multi-Threading and Networking in Java*.
Winter '20	Teaching assistant for the course: *Parallel Systems*.
Summer '19	Student assistant for the course: *Data Structures and Algorithms*.
Winter '19	Student assistant for the course: *Operating Systems*.
Summer '18	Student assistant for the course: *Data Structures and Algorithms*.
Winter '18	Student assistant for the course: *Operating Systems*.
Summer '17	Student assistant for the course: *Data Structures and Algorithms*.