## Lars Rohwedder

EPFL
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### Research Interests

My research focuses mostly on algorithms in theoretical computer science. I am interested in combinatorial optimization, approximative and parameterized algorithms. Most of my work is connected to scheduling and (integer) linear programming.

### Academia

Oct. 2019 - current. **Post-Doc** - EPFL.

Feb. 2016 - Sep. 2019. **Ph.D.** - University of Kiel.

Mar. 2013 - Feb. 2016. **Master of Science (Computer Science)** - University of Kiel.

Oct. 2010 - Feb. 2013. **Bachelor of Science (Computer Science)** - University of Kiel.

### Training

Apr. 2015 - Jun. 2015. **Research Assistant** - VMWare (Palo Alto, USA).

Feb. 2014 - Apr. 2014. **Research Assistant** - Oracle Labs (Redwood Shores, USA).

Mar. 2013 - Sep. 2013. **Research Assistant** - Oracle Labs (Redwood Shores, USA).

### Awards and Honors

I was admitted a scholarship by the Studienstiftung (German Academic Scholarship Foundation), a prestigious German organization that supports exceptionally talented students. My Master's degree was among the three best (by grade) within the graduating class. My Bachelor's degree was the best.

### Publications

Moritz Buchem, Lars Rohwedder, Tjark Vredeveld, Andreas Wiese. *Additive Approximation Schemes for Load Balancing Problems.* manuscript.

Etienne Bamas, Paritosh Garg, Lars Rohwedder. *The Combinatorial Santa Claus Problem or: How to Find Good Matchings in Non-Uniform Hypergraphs.* manuscript.

Paritosh Garg, Sagar Kale, Lars Rohwedder, Ola Svensson. *Robust Algorithms under Adversarial Injections.* ICALP'20.

Lars Rohwedder. *Algorithms for Integer Programming and Allocation.* Ph.D. thesis.

Klaus Jansen, Alexandra Lassota, Lars Rohwedder. *Near-Linear Time Algorithm for n-fold ILPs via Color Coding.* ICALP'19.

Klaus Jansen, Lars Rohwedder. *Local Search Breaks 1.75 for Graph Balancing.* ICALP'19.

Marin Bougeret, Klaus Jansen, Michael Poss, Lars Rohwedder. *Approximation Results for Makespan Minimization with Budgeted Uncertainty.* WAOA'19.

Sebastian Berndt, Leah Epstein, Klaus Jansen, Asaf Levin, Marten Maack, Lars Rohwedder. *Online Bin Covering with Limited Migration.* ESA'19.

Klaus Jansen, Lars Rohwedder. *On Integer Programming, Discrepancy, and Convolution.* ITCS'18.

Klaus Jansen, Lars Rohwedder. *A Note on the Integrality Gap of the Configuration LP for Restricted Santa Claus.* unpublished.

Klaus Jansen, Lars Rohwedder. *Compact LP Relaxations for Allocation Problems.* SOSA'18.

Klaus Jansen, Lars Rohwedder. *A Quasi-Polynomial Approximation for the Restricted Assignment Problem.* IPCO'17.

Klaus Jansen, Lars Rohwedder. *Structured Instances of Restricted Assignment with Two Processing Times.* CALDAM'17.

Klaus Jansen, Lars Rohwedder. *On the Configuration-LP of the Restricted Assignment Problem.* SODA'17.