

Curriculum Vitae

Frederik Fiand

Operations Research Analyst



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Personal Information

Birth date October 18, 1985
Nationality German

Summary of Qualifications

Frederik Fiand has a diploma degree in Financial Mathematics and Mathematical Economics from the Technical University of Braunschweig, Germany, where he also held a position as research associate at the Institute for Mathematical Optimization from 2013 to 2015. Since 2016 he works at GAMS Software GmbH where he engages in customer optimization projects that deliver cutting-edge optimization technology to clients from various fields of application. Frederik frequently gives lectures at renowned international conferences.

Professional Profile

2016 – today Operations Research Analyst, GAMS Software GmbH, Frechen, Germany

2013 – 2016 Research Associate, Institute for Mathematical Optimization,

Professional Experience

- Teaching
TU Braunschweig, Germany.
 - Consulting
For companies in the Energy, Chemical, Rail Transport and Military industry.
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Academic Degrees

- Diploma
Financial Mathematics and Mathematical Economics, Technical University Braunschweig, 2013
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Recent Projects

- BEAM-ME
Research project on utilizing high performance computing for energy models. In particular, develop new modeling paradigms and solution algorithms (decomposition methods) for the REMix model.
(http://www.beam-me-projekt.de/beam-me/EN/Home/home_node.html)
(http://www.dlr.de/tt/en/desktopdefault.aspx/tabid-2885/4422_read-12423/)
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Recent Presentations and Workshops

- INFORMS Annual Meeting, October 22-25 2017, Houston, TX: High Performance Computing with GAMS
 - INFORMS Annual Meeting, October 22-25 2017, Houston, TX: Stochastic Programming in GAMS
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Publications

- Optimizing Large-Scale Linear Energy System Problems with Block Diagonal Structure by Using Parallel Interior-Point Methods, joint work with T. Breuer, M. Bussieck, K. K. Cao, F. Cebulla, H. C. Gils, A. Gleixner, D. Khabi, T. Koch, D. Rehfeldt, M. Wetzels, ZIB Report 17-75 (December 2017)
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Awards and Honors

- Graduation Award 2013 of the Mathematical Departments of the Technical University Braunschweig