

## Personal Information

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## Education

2014–2017	Berlin Institute of Technology (TU-Berlin), Industrial Engineering (Master) <b>Msc. Thesis:</b> Discretely Constrained Mixed Complementary Problems - Application on a stylized electricity market Prof. Steven Gabriel (University of Maryland)
2011–2014	Berlin Institute of Technology (TU-Berlin), Industrial Engineering (Bachelor) <b>Bsc. Thesis:</b> Interdependencies Between Hydro Storage Systems and the Allocation of Balancing Reserves Prof. Christian v. Hirschhausen

## Professional Experience

2018: Apr - Today	Researcher Institute for Climate Protection, Energy and Mobility, Berlin
2017: Dez - Today	Phd Student and Researcher Workgroup for Economic and Infrastructure Policy (WIP), TU Berlin
2017: Aug - Nov	Advisor - Danish Energy Agency Center for System Analysis Development of a combined grid- and marketmodel
2016 - 2017	Internship - Vattenfall AB - Business Area Markets Value Forecasting and Optimization
2016: Apr - Jun	Guest researcher with Prof. Gabriel Applied Math & Statistics & Scientific Computation Program University of Maryland
2013 - 2016	Research and Teaching Assistant Workgroup for Economic and Infrastructure Policy (WIP), TU Berlin

## Research/Paper/Contributions

- 2018 **Discretely Constrained Mixed Complementary Problems**  
Application and Analysis of a Stylized Electricity Market  
Journal for Operation Research Society (in review) with Steven A. Gabriel
- 2016 **Transatlantic Infraday 2016 - Washington** Conference Talk  
Discretely Constrained MCPs - Application on a stylized electricity market
- 2016 **DIW Berlin - Politikberatung kompakt 112** Kempfert, C. et al.  
Stromnetze und Speichertechnologien für die Energiewende
- 2016 **IAEE Bergen Conference Paper**  
Interdependencies between hydro storage systems and the allocation of balancing reserves
- 2015 **DIW Berlin - Politikberatung kompakt 97** Mieth, R. et al.  
Perspektiven für eine sichere, preiswerte und umweltverträgliche Energieversorgung in Bayern
- 2015 **DIW Wochenbericht 6 / 2015** Mieth, R. et al.  
Electricity Grids and Climate Targets: New Approaches to Grid Planning
- 2014 **EEM14 Conference Paper** Lorenz, C. et al.  
Assessing Inefficiencies on the German Balancing Market