

## M.SC. PETER-PHILIPP SCHIERHORN

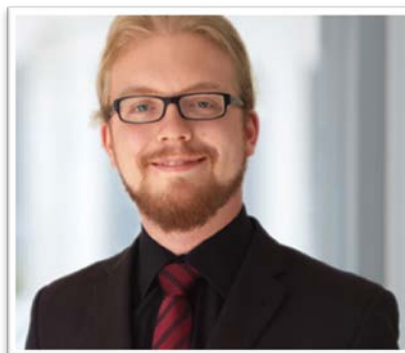
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### Research Engineer

Energynautics GmbH  
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Languages: German, English



### WORK EXPERIENCES

- since 09/2014      Research Engineer at Energynautics GmbH, a Germany-based research and consulting company in the area of renewable and distributed power generation
- 10/2013 – 01/2014      Internship at Energynautics GmbH, Darmstadt, Germany  
Research for the Greenpeace Report “POWE[R] 2030”
- 04/2011 – 09/2013      Student Research Assistant at the Renewable Energies Group (since 2012: Department Electrical Power Supply with use of Renewable Energies), Technische Universität Darmstadt, Germany

### EDUCATION

- 03/2014 – 08/2014      Master Thesis at Energynautics GmbH, Darmstadt, Germany
- 09/2011 – 10/2014      Master Course Electrical Engineering and Information Technology, Technische Universität Darmstadt, Germany  
Subject: Electrical Power Systems
- Master Thesis: “Ramp Rates Requirements for Conventional Power Plants at High Shares of Renewable Energy”
- Student Research: „Demand Side Management in Electrical Power Grids“
- 10/2007 – 09/2011      Bachelor Course Electrical Engineering and Information Technology, Technische Universität Darmstadt, Germany  
Subject: Electrical Power Systems
- Bachelor Thesis: „Modelling of a Medium Voltage Grid and Development of Strategies for Managing Surplus Generation from Renewable Energies regarding Grid Stability“

## PUBLICATIONS

### Conference Papers

Brown, T.; Schierhorn, P.-P.; Tröster, E.; Ackermann, T.:  
**"Optimising the European Transmission System for 77% Renewables by 2030"**, 13<sup>th</sup> International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Power Plants, Berlin, November 2014.

Schierhorn, P.-P., Brown, T., Tröster, E.: **"Cycling Requirements for Conventional Power Plants at High Shares of Renewable"**, 13<sup>th</sup> International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Power Plants, Berlin, November 2014.

### Reports

Teske, S.; Brown, T.; Tröster, E.; Schierhorn, P.-P.; Ackermann, T.:  
**"powE[R] 2030 – A European Grid for 3/4 Renewable Electricity by 2030"**, Greenpeace Germany, March 2014.

Tröster, E.; Untsch, S.; Brown, T.; Geidel, S.; Narasimhan, B.; Schierhorn, P.-P.; Ackermann, T.: **"Kurzgutachten zur Eigenstromerzeugung in Rheinland-Pfalz"**, Darmstadt, March 2014.