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## Education

- Aug 2015 – **Doctoral candidate**, *University of Cologne*, Germany.  
◦ Adviser: Prof. Dr. David Gross
- 2014 – 2015 **Doctoral candidate**, *University of Freiburg*, Germany.  
◦ Adviser: J.-Prof. Dr. David Gross
- 2010 – 2013 **Diploma in Theoretical Physics**, *Technische Universität Dresden*, Germany.  
◦ Final grade: 1.0 (passed with distinction)  
◦ Thesis title: *Hierarchy of Quantum Trajectories applied to Photosynthetic Complexes*  
◦ Adviser: Prof. Dr. Walter T. Strunz
- 2008 – 2010 **Intermediate Diploma**, *Technische Universität Dresden*, Germany.  
◦ Grade: 1.1

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## Experience

- Apr – Jul 2014 **Researcher in the group of A. Eisfeld**, *Max Planck Institute for the Physics of Complex Systems*, Dresden, Germany.  
◦ Topic: Simulation of open quantum systems in bosonic and fermionic environments

### International

- Jan – Mar 2014 **Visiting researcher in the group of H. Wiseman**, *Griffith University*, Brisbane, Australia.  
◦ Topic: Stochastic simulation of open quantum systems and quantum feedback.
- 2004 – 2005 **Student exchange**, *Reeltown Highschool*, USA.

### Teaching

- 2016 **Teaching Assistant**, *Institute of Theoretical Physics, University of Cologne*, Germany.  
◦ Pre-study course: “Mathematical Methods for Physicists: Analysis”
- 2015 – 2016 **Teaching Assistant**, *Institute of Theoretical Physics, University of Cologne*, Germany.  
◦ 1<sup>st</sup> semester course: “Mathematical Methods”
- 2014 – 2015 **Tutor**, *Institute of Theoretical Physics, University of Freiburg*, Germany.  
◦ 1<sup>st</sup> and 2<sup>nd</sup> semester course: “Classical Mechanics”
- 2010 – 2013 **Tutor**, *Institute for Analysis, TU Dresden*, Germany.  
◦ 3<sup>rd</sup> and 4<sup>th</sup> semester courses “Mathematics for Physicists”  
◦ Subjects taught: ordinary and partial differential equations, theory of distributions, functional analysis, and complex analysis
- 2009 – 2010 **Tutor**, *Institute for Analysis, TU Dresden*, Germany.  
◦ 1<sup>st</sup> semester course “Mathematics for Civil Engineering, Water Management, and Waste Management”

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## Scholarships

- 2014 **PROMOS**, DAAD (German Academic Exchange Service).  
Partial scholarship to promote visit to Griffith University.

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## Conference Presentations

- April 2016 **Spring Meeting of the Rhineland Quantum Information Network**, *University of Cologne*, Germany.  
Talk: *Optimal error regions for quantum state estimation*.
- Mar 2016 **DPG Spring Meeting**, *Leibniz Universität Hannover*, Germany.  
Talk: *Characterising linear optical circuits using phaseless estimation techniques*.
- Jan 2016 **Quantum Information Processing**, *Banff Centre*, Canada.  
Poster: *Characterising linear optical circuits using phaseless estimation techniques*.
- Dez 2015 **2. International Matheon Conference on Compressed Sensing and its Applications**, *TU Berlin*, Germany.  
Poster: *Characterising linear optical circuits using phaseless estimation techniques*.
- Mar 2013 **DPG Spring Meeting**, *Leibniz Universität Hannover*, Germany.  
Poster: *Energy transfer dynamics in structured environments*.

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## Languages

Self-assessment European level CEFR (C2 maximum evaluation)

German	Mother Tongue
English	Fluent (C2)
French	Beginner (A1)

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## Computer Skills

- Programming
  - Extensive working knowledge in *Python*, *Fortran*, and *C++*.
  - Familiarity with *R*, *Haskell*, *Bash*, *HTML*, *CSS*, *JavaScript*, *SQL*, *PHP*, etc.
  - Practical experience with development tools (e.g. *git*, *make*, *scons*).
  - Working knowledge in high performance computing techniques (especially shared and distributed parallel computing).
- Presentation
  - Proficiency in  $\text{\LaTeX}$  and in the creation of scientific plots.
- Experience
  - Working knowledge of Linux (extensive), OS X (extensive) and Windows (good).
  - Administrator of the group's computers at TU Dresden, University of Freiburg, and University of Cologne
  - IT consulting for the group at University of Cologne

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## Publications

- D. Suess, W. T. Strunz, A. Eisfeld: *Hierarchical equations for open system dynamics in fermionic and bosonic environments*, J. Stat. Phys. 159, Issue 6, pp 1048–1423 (2015) (arXiv:1410.0304)
- G. Ritschel, D. Suess W. T. Strunz, A. Eisfeld: *Non-Markovian Quantum State Diffusion for*

*temperature-dependent linear spectra of light harvesting aggregates*, J. Chem. Phys. 142, 034115 (2015) (arXiv:1409.1091)

- D. Suess, A. Eisfeld, W. T. Strunz: *Hierarchy of stochastic pure states for open quantum system dynamics* Phys. Rev. Lett. 113, 150403 (2014) (arXiv:1402.4647)