

## Curriculum Vitae of Dr. Frank Setzpfandt

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Google Scholar           <https://scholar.google.de/citations?user=O92nUzcAAAAJ>

### Academic career

02/2017 – 03/2017            parental leave

since 10/2016                junior research group leader, Institute of Applied Physics,  
Friedrich-Schiller-Universität Jena, Germany

07/2016 - 08/2016            parental leave

11/2014 – 09/2016            research scientist at the Institute of Applied Physics, Friedrich-  
Schiller-Universität Jena, Germany

03/2014 – 10/2014            research fellow at Nonlinear Physics Centre, ANU Canberra,  
Australia

05/2013 – 09/2013            parental leave

08/2012 – 02/2014            research scientist at the Institute of Applied Physics, Friedrich-  
Schiller-Universität Jena, Germany

04/2011 – 05/2011            visiting scientist at Nonlinear Physics Centre, ANU Canberra,  
Australia

03/2010 – 04/2010            visiting scientist at Nonlinear Physics Centre, ANU Canberra,  
Australia

03/2006 – 07/2012            research assistant at the Institute of Applied Physics, Friedrich-  
Schiller-Universität Jena, Germany

### Education

03/2006 – 07/2012            Ph.D. student at the Friedrich-Schiller-Universität Jena, Germany

10/2000 – 12/2005            study of Physics at the Friedrich-Schiller-Universität Jena, Germany

## Degrees

- 07/2012 Dr. rer. Nat. (Ph.D.), final mark "magna cum laude" (very good)  
title of doctoral thesis: „Nonlinear Dynamics in Multimode Optical Waveguide Arrays“
- 12/2005 Dipl.-Phys., (Diploma in physics), final mark "very good"  
title of diploma thesis: "Development of a measurement scheme to evaluate the dispersion relation of photonic crystal waveguides"

## Teaching and mentoring experience

- lecture "Quantum Optics," summer term 2017
- seminars in "Computational Physics"
- seminars in "Computational Nanophotonics"
- tutorial "Introduction to LabView" for PhD students
- practical training in experimental physics for undergraduates
- assistance for lecture "Computational Physics"
  
- mentoring of 6 PhD-students, 4 master students, several internship students

## Other professional activities

- organization of Spring School "Methods in modern photonics", Jena, March 2017
- organizer of doctoral students conference "DokDok 2011" (<http://www.asp.uni-jena.de/dokdok>)
  
- reviewer for Science, Optics Letters, Optics Express, Journal of the Optical Society of America B, Optics Communications, Journal of Optics, Nature Communications, Physical Review Letters

## Research interests

- nanostructured optical imaging devices
- nonlinear optics in integrated optical structures
- photon-pair generation in nonlinear optical devices
- applications of nonlinear optics
- quantum spectroscopy and quantum imaging
- integrated nanophotonics
- optical properties of two-dimensional materials

Jena, 17.10.2017