



# Markus Leipe

## Curriculum Vitae

### Education

- 02/2023–  
today **PhD student**, *Fraunhofer IOF, Friedrich-Schiller-Universität Jena & Max Planck School of Photonics*, Thesis topics: free-space optical communication, satellite-based quantum communication, high-brightness entangled photon sources, Supervisor: Prof. Fabian Steinlechner.
- 10/2019–  
11/2022 **M.Sc. Physics**, *Friedrich-Schiller-Universität Jena, Optics Track*, Master's Thesis title: Pulsed SHG Source for Quantum Technology Applications, Supervisors: Prof. Andreas Tünnermann, Dr. Fabian Steinlechner.
- 09/2020–  
08/2021 **ERASMUS+ exchange year**, *Technische Universiteit Delft*.
- 10/2016–  
09/2019 **B.Sc. Physics**, *Friedrich-Schiller-Universität Jena, Bachelor's Thesis: Realization of Short-Wavelength Tm-doped Fiber Lasers*; Supervisor: Prof. Jens Limpert.
- 09/2008–  
07/2016 **Abitur**, *Gymnasium "Am Lindenberg" Ilmenau*, Final grade 1.0.

### Internships and experience

- 2021-2023 **Scientific assistant at Fraunhofer IOF, Jena**, *Emerging Technologies Group, Optical Quantum Technologies*.
- 2020 **Scientific assistant in Fiber & Waveguide Lasers Group**, *Group leader: Prof. Jens Limpert*.
- 2018 **Internship in Fiber & Waveguide Lasers Group**, *Group leader: Prof. Jens Limpert*.
- 2018 **TA for Theoretical Mechanics**, *Lecturer: Prof. Holger Gies*.
- 2018 **Assistant for the Physical-Astronomical Faculty, FSU Jena**, *Public relations, website management & event organization*.
- 2018, 2019 **Mentor for freshman students**.

### Personal Details

Date of Birth 28.08.1998  
Place of Birth Ilmenau, Thuringia  
Nationality German