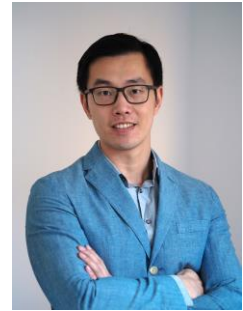


Curriculum Vitae

Name: Dr. Qingfeng Li
Date/place of birth: 25.06.1991 in Hubei, China
Marital status: Married
Address: Schüffnerstra. 15, 09130 Chemnitz
Tel.: +49 151 64105436
Email: liqingfeng06@gmail.com
Publication list: [Google Scholar](#)



PRACTICAL EXPERIENCE

since 04/2022

Process Development

3D-Micromac AG (Chemnitz, DE)

- System architecture and process development in the field of laser processing, especially in the semiconductor sector (SiC, GaN and microLED). Direct contact and co-development with top-tier customers (TecDAX or Nasdaq100 indexed).
- Simulation and optimisation of the optical beam path for laser processing systems with Zemax, Python and MATLAB.

04/2019 - 04/2022

Postdoc

Friedrich-Schiller-Universität Jena, Institut für Angewandte Physik (Jena, DE)

- Developed the first femtosecond laser-based glass/silicon-to-metal welding system (patented).
- Femtosecond laser direct writing of nanograting-based optical quantum gates on a chip.
- Development of a flexible, fast and benchmarked vector model algorithm for the simulation of optical propagation. Creation of an open-source toolkit based on the algorithm, supported by Zemax and MATLAB.

EDUCATION

10/2015 – 01/2019

PhD in Physics, Aix-Marseille University, France

- Title of the dissertation: "Laser-induced forward transfer for digital 3D-nanoprinting."
- Winner of the Aix-Marseille University Best Thesis Prize (one of 16 winners out of 3300 doctoral students from 113 research units).

10/2013 – 10/2015

Master of Science in Optics and Photonics, EUROPHOTONICS
Erasmus Mundus Joint Master's Programme

- Double degree: Karlsruhe Institute of Technology (DE) and Aix-Marseille University (FR).
- Thesis: "Development of quantitative phase microscopy for the analysis of silicon waveguides" (grade 1.0).

FURTHER TRAINING

10/2019 – 02/2020

Certified training "Optical Design with Zemax for PhD"

Institut für Angewandte Physik, Friedrich-Schiller-Universität Jena
(Trainer: Prof. Herbert Gross)

10/2022

Learning-Path: "Becoming a Six Sigma Green Belt"

LinkedIn Learning (Online)

VOLUNTARY WORK FOR THE OPTICS COMMUNITY

since 2021

Creator of an open-source project for optical simulation

<https://github.com/QF06/InFocus>

since 2021

Editor for Frontier in Physics

<https://www.frontiersin.org/research-topics/29574/advances-in-laser-micro-processing-and-applications>

since 2016

Recognised reviewer for peer-reviewed journals, e.g. Optics Letter, Optics Express, Applied Optics etc.

since 2019

Influencers in the optics community and Member of OPTICA

<https://www.zemax.com/blogs/news/photronics-and-applied-physics-labs-at-university-of-jena-use-opticstudio-to-gain-precision-in-ultrafast-bulk-laser-processing>

ADDITIONAL KNOWLEDGE

Languages:

Chinese - mother tongue

English, German - fluent in spoken and written

French - solid basic knowledge

Software:

Opticstudio Zemax, Comsol Multiphysics

MatLab, Git, Python, TensorFlow Latex, MS Excel, MS Word

INTERESTS

Bodyfit, Ski, DIY, Camping