

### PhD student (f/m/d) in the field of „Printed Photonics“

- Project description:** Printed photonic components are one of the research topics at Light Technology Institute. Recently, the research group has succeeded in manufacturing e.g., microlenses and Bragg mirrors by means of digital inkjet printing. This opens up numerous research opportunities for novel sensor systems and applications in large-area optoelectronics, for instance displays and photovoltaic technologies. To strengthen our team, we are looking for a PhD student to start as soon as possible.
- Personal qualifications:**
- A university degree (Master's degree) in electrical engineering and information technology, materials science, process engineering, physics or related fields with excellent results.
  - Knowledge in the field of photonics.
  - Strong interest in experimental work (inkjet printing, optical characterization, etc.).
  - Strong analytical skills.
  - Structured and independent work styles.
- Salary:** Funding will initially be provided by a fellowship from the Carl Zeiss Foundation through the Cluster of Excellence 3DMM2O.
- Institute/Organizational unit:** Light Technology Institute (LTI)
- Contract duration:** Limited to 3 years, extension is possible
- Date of entry:** As soon as possible
- Application up to:** Nov. 30th, 2022
- Application:** Please send your application in electronic form with the subject InkJet\_2022 to Prof. Uli Lemmer: [uli.lemmer@kit.edu](mailto:uli.lemmer@kit.edu).  
KIT emphasizes the professional equality of women and men. We would therefore be particularly looking forward to receiving applications from women.  
Severely disabled applicants will be given preferential consideration if they are equally qualified.