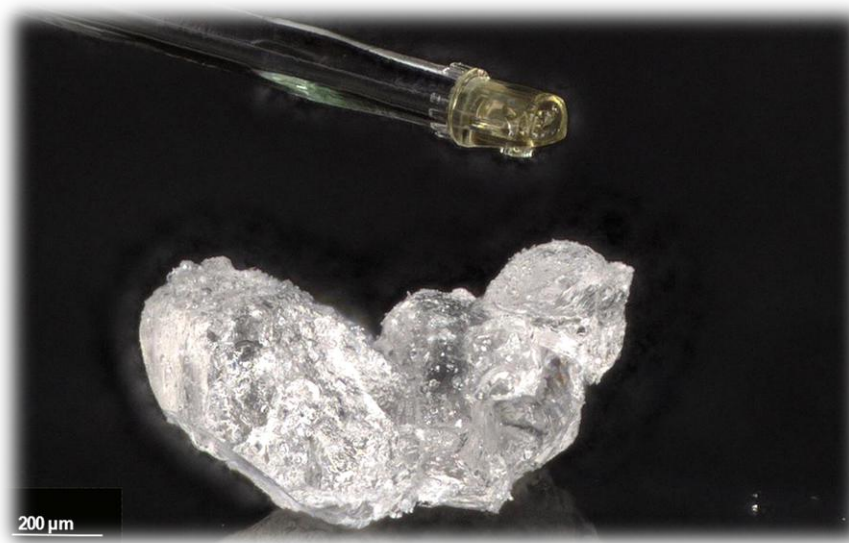


Student Thesis/ research internship: 3D-printed micro-optics for photonic-integrated circuits



Topic

The project focuses on the design, fabrication, and characterization of advanced micro-optical components fabricated via high-resolution multi-photon 3D-printing and integrated with PIC platforms.

This position offers hands-on experience at the intersection of:

- Integrated photonics
- Micro-optical system design
- Optical characterization of fabricated probes

Useful skills

- Good knowledge of optics fundamentals
- Optical design (Zemax OpticStudio)
- Lab-experience with optical setups
- Experience with fiber optics
- Programming and data processing (Python, Matlab)

Working period

May 2026 onwards (negotiable)

Application

Please send your academic CV and a transcript of records to: oindrila.ghosh@ito.uni-stuttgart.de

Contact:

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