

# Vacant Position as HiWi (Research Assistant)

at the Leibniz Institute for Photonic Technology



## Alignment and characterisation of a Fourier-transform infrared spectrometer

The recently founded research group «Fiber Sensors» looks for research assistance. The subject of the work is about spectral detection of infrared (IR) light sources based on interferometric techniques.

The tasks of the RA work contain:

- Alignment of an customised FT-IR spectrometer
- Calibration of the spectrometer using IR light sources
- Spectral characterisation of novel broadband mid-IR light sources

The work is paid and mainly meant to be done in our labs at the IPHT in Jena (Beutenberg Campus). The expansion of this topic to a Bachelor thesis is possible.

### Kontaktdaten

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### Information

- **workload: 10h per week**
- minimum period: 3 month
- possible start: immediately
- requirements: on-going studies in the field of physics or optics