



Leibniz  
Universität  
Hannover

The Hannover Centre for Optical Technologies (HOT) invites applications for a

## **PhD Student Position (m/f/d) in the field of Polymer-optical networks for 2D sensing (Salary Scale 13 TV-L, 75 %)**

to start on May 1, 2022. The appointment will be for 3 years. The scope of work corresponds to 75 % of the collectively agreed working hours. The possibility for a PhD thesis is given and desired.

### **Responsibilities**

The advertised position deals with the implementation of new types of polymer-optical networks for distributed sensing using 3D laser direct writing. The topic is part of an interdisciplinary project together with the Institute for Information Processing (tnt) at Leibniz Universität Hannover, which is responsible for the signal and network theoretical aspects of the topic. A close cooperation with the tnt is necessary and ensured.

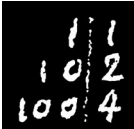
We offer a motivated, dynamic working atmosphere in a highly topical research field at the interface between optics, physics and information technology.

### **Conditions of appointment**

Requirement for the recruitment is a successfully completed university degree (Master) in physics, optical technologies, engineering or a related field. In-depth knowledge in at least one of the following areas: additive manufacturing of optical microstructure arrays, optical measurement and sensing, data analysis. Experience in general optics and photonics, optics simulation, optical measurement technology as well as good programming knowledge are advantageous.

We expect a high level of commitment and motivation, enjoyment of independent, experimental and theoretical work, good written and spoken German and English skills as well as good communication skills.

The university aims to promote equality between women and men. For this purpose, the university strives to reduce under-representation in areas where a certain gender is under-represented. Women are under-represented in the salary scale of the advertised position. Therefore, qualified women are encouraged to apply. Moreover, we welcome applications from qualified men. Preference will be given to equally-qualified applicants with disabilities.



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For information please contact Prof. Dr. Bernhard Roth (Phone: 0511 762-17907, Email: [bernhard.roth@hot.uni-hannover.de](mailto:bernhard.roth@hot.uni-hannover.de)). Further information on HOT can be found on our website: [www.hot.uni-hannover.de](http://www.hot.uni-hannover.de)

Please submit your complete application documents including letters of recommendation until April 15, 2022 to:

**Gottfried Wilhelm Leibniz University Hannover**

Hannover Centre for Optical Technologies (HOT)

Nienburger Str. 17

D-30167 Hannover

<http://www.uni-hannover.de/jobs>

or by Email to Prof. Bernhard Roth: [bernhard.roth@hot.uni-hannover.de](mailto:bernhard.roth@hot.uni-hannover.de)

Information on the collection of personal data according to article 13 GDPR can be found at <https://www.uni-hannover.de/en/datenschutzhinweis-bewerbungen/>.