

## External Job Advertisement Reg.-Nr. 5-5020/26-H

Creating knowledge since 1502: the Martin-Luther-University Halle-Wittenberg offers a wide range of academic subjects in the areas of humanities, social sciences, natural sciences and medicine. Formed in 1817 following the merger of the University of Wittenberg (1502) and the Friedrichs University Halle (1694), it is the oldest and largest university in Saxony-Anhalt. Today, it has 340 professors and 20,000 students and its research activities are focussed on the nano and life sciences, society and culture.

The Faculty of Natural Sciences II, Institute of Physics, at Martin-Luther-University Halle-Wittenberg is seeking a part-time position (75%) as a

### Doctoral Research Associate (m-f-d)

for a fixed term of 3 years, starting as soon as possible.

Remuneration will be determined based on job duties and responsibilities and will be aligned with the fulfillment of listed personal requirements, up to pay grade E13 under the TV-L (Tarifvertrag für den Öffentlichen Dienst der Länder – 'German Public Service Pay Agreement for the Federal States')

#### Job Responsibilities:

- Development of technologies and methods for optical ultrasound detection
- Development of interferometric detection methods and parallelised signal acquisition
- Dissemination of scientific results (publications, conferences)
- Contribution to teaching (tutorials, teaching lab, supervision of final year projects)

This position offers the opportunity to complete a doctorate.

#### Requirements:

- completed graduate degree (Master's degree, diploma, or equivalent) in physics, medical physics, biophysics, or an equivalent engineering discipline
- Knowledge and experience in all or some of the following areas: optics, optoelectronics, programming, numerical modelling, instrumentation control (Labview), signal and image processing
- Very good spoken and written English
- High motivation, ability to work independently and within an interdisciplinary team,
- very good organisational and communication skills.

Women are strongly encouraged to apply. Applicants with disabilities will be preferred if qualifications and suitability are comparable. Informal enquiries and visits prior to the interview are welcome. For more information, please contact Prof. Jan Laufer, Tel.: 0345 55 25400, E-Mail: [jan.laufer@physik.uni-halle.de](mailto:jan.laufer@physik.uni-halle.de).

Please send your application (incl. *covering letter*, CV, and *two references*) by email to Jan Laufer ([jan.laufer@physik.uni-halle.de](mailto:jan.laufer@physik.uni-halle.de)), stating Reg.-Nr. 5-5020/26-H. The deadline for applications is 16/04/2026.

Please note that expenses associated with the application process (e.g. travel) will not be reimbursed. Application documents will only be returned if an envelope with pre-paid postage is provided. This job vacancy is conditional and subject to potential legal and financial restrictions.