Faculty of Physics

At the **Institute of Applied Physics**, the **Chair of Opto-Electronics** (Prof. Karl Leo) is offering a position as

**Research Associate**

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting **November 1, 2021**. The position is limited until May 31, 2024 with the option for extension, subject to the availability of resources. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). It entails 50% of the fulltime weekly hours for the first year and 62.5% of the fulltime weekly hours for the second and third year. The position offers the chance to obtain further academic qualification (e.g. PhD), which is highly recommended.

The research activities of the Chair of Opto-Electronics focus on the basic physical characteristics of organic semiconductors and their device applications. The doping technology for organic small molecule semiconductors developed at the institute enables development of high efficiency organic light emitting diodes, solar cells, photodetectors and thin film transistors. In this context, we are also researching photonic structures. Research work on organic semiconductors at TU Dresden is bundled within the "Dresden Integrated Center for Applied Physics and Photonic Materials" (DC-IAPP), which is one of the world's leading research institutions in the field of organic electronic devices.

**Tasks:** Research work on organic spectroscopic NIR-OLED sensor systems (investigation of new materials for higher sensor performance, optimization of the sensor stacks, device development on flexible substrates).

**Requirements:** university degree (master or comparable) in physics, electrical engineering, material sciences, or related fields; interest in basic and application-related research; high self-motivation; experimental skills; excellent command of English language; excellent computer skills; ready-to-use and up-to-date knowledge of organic electronics.

Applications from women are particularly welcome. The same applies to people with disabilities.

Please submit your comprehensive application including the usual documents by **September 13, 2021** (stamped arrival date of the university central mail service applies) preferably via the TU Dresden SecureMail Portal [https://securemail.tu-dresden.de](https://securemail.tu-dresden.de) by sending it as a single pdf-document to [angelika.wolf@tu-dresden.de](mailto:angelika.wolf@tu-dresden.de) or to: TU Dresden, Fakultät Physik, Institut für Angewandte Physik, Professur für Optoelektronik, z.Hd. Frau Dr. Angelika Wolf, Helmholtzstr. 10, 01069 Dresden. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

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**Reference to data protection:** Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: [https://tu-dresden.de/karriere/datenschutzhinweis](https://tu-dresden.de/karriere/datenschutzhinweis)