

The *Laboratory of Measurement and Sensor Systems* (headed by Prof Juergen Czarske) of the *Institute of Circuits and Systems* offers a position as

### **Research Associate**

(Subject to personal qualification employees are remunerated according to salary group E13 TV-L)

starting as soon as possible. The position entails up to 100% of the fulltime weekly hours. The position is limited for 3 years, initially. The period of employment is governed by Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz-WissZeitVG. The position offers the chance to obtain further academic qualification (e.g. PhD / habilitation thesis).

**Tasks:** The position is funded by a third party project on the reduction of sound pressure levels in aircraft turbines. Within the project, a camera-based, tomographic, interferometric laser Doppler vibrometer is applied to an engine silencer in order to investigate the sound-flow interaction, see [https://tu-dresden.de/ing/elektrotechnik/iee/mst/forschung/forschungsprojekte/tomographische\\_Messung](https://tu-dresden.de/ing/elektrotechnik/iee/mst/forschung/forschungsprojekte/tomographische_Messung)

Your tasks entail basic research on the sensor principle, the setup of a measurement system as well as the application at our partner institute (German Aerospace Center in Berlin). Furthermore, your scope of activity involve publications in international research journals as well as supervising Bachelor and Master Students.

**We offer:** A diverse, ambitious research topic; an interdisciplinary team; creative possibilities; visits of international conferences and contacts to excellent partners in research and industry. Within our group, you will find profound support as well as professional training.

**Requirements:** University degree in electrical engineering, mechanical engineering, physics or similar studies with knowledge in optics, signal processing or fluid dynamics; ability for working autonomously and goal-driven within a team; great commitment, analytical thinking and taking joy in practical work and basic research are expected.

Applications from women are particularly welcome. The same applies to people with disabilities. Please submit your comprehensive application including the usual documents by 15.04.2019 by mail to:

Prof. Juergen Czarske, TU Dresden, Fakultät Elektrotechnik und Informationstechnik, Professur für Mess- und Sensorsystemtechnik, Helmholtzstr. 18, 01069 Dresden

or preferably via the TU Dresden SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf-document to:

[grp-mst-sekretariat@msx.tu-dresden.de](mailto:grp-mst-sekretariat@msx.tu-dresden.de)

Please submit copies only, as your application will not be returned to you.