



At the Faculty of Chemistry and Physics, Institute of Theoretical Physics, the temporary position of



**Scientific assistant (m/f/d) – Position number 208-E/2020**

within a DFG-financed third-party funded project is to be filled at the earliest possible.

**Salary:** E13, TV-L  
**Compensation:** 0,67 FTE  
**Time limit:** 36 month

In this project thermoelectric materials based on mineral-like thiospinels are investigated by Raman spectroscopy. Raman spectroscopy is used to obtain information about crystal structure, defects and possible phase transitions. A major goal is the development of a method to determine the lattice thermal conductivity using the frequency shifts of the phonon modes induced by the variation of the laser power and the confocal technique.

**Tasks:**

- Processing of the work plan according to the DFG project: „Thermoelectric properties of  $\text{In}_{1-x}\text{Mn}_x\text{S}_4$ - $\text{yTe}_y$  thiospinels”
- Preparation and elaboration of publications / presentations at conferences, as well as scientific reports

**What we offer:**

- Working at a family-friendly university with flexible working hours
- Remuneration according to the provisions of the collective agreement for the public service of the federal states in accordance with the personal requirements;
- Attractive fringe benefits, e.g. asset-based benefits (VL), company pension schemes (VBL), health management

**Employment requirements:**

- University diploma or master's degree in the field of natural sciences or physics
- Knowledge and practical experience in the field of optical spectroscopy with focus on Raman spectroscopy is advantageous
- High personal commitment, initiative, team spirit and experimental skills
- Good knowledge of English and/or German, spoken and written

**For further information, please contact Dr. Cameliu Himcinschi, Tel. 03731-392862, E-Mail: [himcinsc@physik.tu-freiberg.de](mailto:himcinsc@physik.tu-freiberg.de)**

Applicants (m/f/d) must meet the employment requirements for temporary employment contracts in accordance with the Wis-sZeitVG. Severely disabled applicants or applicants with equivalent qualifications (m/f/d) will be given preferential consideration if they have the same aptitude, performance and skills. For appropriate consideration, please enclose proof of severe disability/equal status with your application documents. The TU Bergakademie Freiberg strives to increase the proportion of women in teaching and research and is therefore particularly interested in applications from qualified women.

**Please send your application with the usual documents and the reference number (208-E/2020) by 06.11.2020:**

**TU Bergakademie Freiberg -Dezernat für Personalangelegenheiten -09596 Freiberg, Germany,  
E-Mail: [bewerbungen@tu-freiberg.de](mailto:bewerbungen@tu-freiberg.de)**

Your application documents will not be returned, therefore please send only copies. Interview costs will not be covered. TU Bergakademie Freiberg is further looking for scientific personnel of diverse specialization. For further information: <http://tu-freiberg.de/wirtschaft/karriere/stellenausschreibungen>