



CRC/TRR 270 Junior Researcher (PhD) or Junior Research Group Leader (Post-doc) position

(salary equivalent to TV-L 13)

In brief

The Collaborative Research Centre/Transregio (CRC/TRR) 270 (<https://www.tu-darmstadt.de/sfb270/>) involves internationally leading researchers from TU Darmstadt, Universität Duisburg-Essen, Max Planck Institute for Iron Research and Ernst Ruska-Centre for Microscopy and Spectroscopy with Electrons (ER-C) at Forschungszentrum Jülich. Their common goal is the development of new magnetic materials for efficient energy conversion technologies. This requires a detailed understanding of the structural, magnetic and electronic interactions within the material in order to adjust the local and global properties. The research within CRC/TRR combines modern computational sciences with advanced characterization and synthesis methods and new processing techniques like additive manufacturing and severe plastic deformation.

The CRC/TRR 270 searches for a highly motivated and dynamic early career scientist with the potential of performing excellent research. We offer a highly stimulating environment to conduct own research, and to work with modern equipment and state-of-the-art support structures in a collaborative research consortium of more than 15 research groups. Successful candidates on a post-doctoral level will be encouraged and supported to set up their own research group at one of the two universities of their choice within the CRC/TRR 270.

Who can apply?

Post-doctoral researchers who

- have completed their doctorate no longer than 5 years ago (exceptions apply)
- have proven outstanding academic achievements in their field and
- are planning to conduct a research project within the framework of the CRC/TRR 270

or

Junior Researchers who

- have completed their master in physics, materials science or a related field and
- wish to perform research within the CRC/TRR 270 (with the possibility to obtain a PhD)

Your profile:

You are a highly talented early-stage scientist with an excellent track record in physics, materials science or a related area. You are exceptionally motivated, creative, and highly collegial with a collaborative, curious, well-organized work ethic and excellent written and oral communication skills in English or German.

Type and extent of funding

The successful candidate (post-doc or PhD student) will receive funding for their own position and a yearly budget for consumables (initially for three years with a possible extension). The post-doctoral researcher may receive additional funds to establish a junior research group. Equipment and facilities will be provided by the host institution.

Duration

3 years.

Application

Candidates are encouraged to contact principal investigators within the CRC/TRR 270 to discuss potential collaborations. For application send a project proposal (max. 2 pages) together with a statement of interests and background, CV, diplomas/transcripts in a single pdf together with a suggestion for the potential host institute to the management of the CRC/TRR 270 (sonja.laubach@tu-darmstadt.de). Applications have to be submitted by May 15th, 2021.

Position opens as early as possible.

The CRC/TRR 270 HoMMage aims at increasing the share of women in the scientific personnel and therefore explicitly encourages women to apply. Women will be preferentially considered when equally qualified according to the state equality law. Applications from disabled or equivalents according to § 2 (3) SGB IX are encouraged.