

Job advertisement

At the Department of Materials Science, Faculty of Engineering at Kiel-University we are looking for the [Chair of Composite Materials](#) (Prof. Tayebbeh Ameri) a

Researcher (m/f/d) (Postdoc)

Solar supercapacitors

If you are passionate about renewable energy and materials science, have experience in fabrication and characterization of supercapacitors, and want to contribute to groundbreaking research, you should join our team at Kiel University Faculty of Technology, Department of Materials Science, Chair of Composite Materials. We are looking for a dynamic and motivated person who wants to work extensively in the exciting field of solar supercapacitors.

The position is limited to an initial period of two years and will be paid according to TV-L 13. The regular weekly working time is that of a full-time employee (currently 38.7 hours). The cooperation in teaching (extent: 4 SWS, including seminars, exercises and internships) is an integral part of this employment.

Job Description:

Research: In this role, you will be part of a cutting-edge project focused on printable photovoltaics, including perovskite, integrated into supercapacitors in a monolithic configuration. Our approach uses additive manufacturing techniques such as inkjet printing to push the limits of renewable energy storage.

Teaching: Supervision of tutorials and/or internships as part of the bachelor's and master's degree program in materials science.

We are looking for a committed personality who enjoys working independently, is enthusiastic about scientific questions and works on them precisely. The applicant should have completed an above-average doctorate and have very good knowledge in the border area between materials science, physics and chemistry and should have the following qualifications:

- Proficiency in the fabrication and characterization of supercapacitors.
- Experience in printing techniques (inkjet printing experience in particular would be an asset).
- Familiarity with printed solar cells.
- Theoretical and simulation skills (an advantage).
- Fluent in English with excellent writing and communication skills.
- Strong teamwork and collaboration skills.

A high degree of initiative and teamwork as well as the willingness to cooperate and collaborate in teaching are required.

The University strives to increase the proportion of female scientists in research and teaching and therefore strongly encourages suitably qualified women to apply. Women are given preferential consideration in cases of equal aptitude, ability and performance. The university is committed to the employment of severely disabled persons. Therefore, severely disabled

applicants will be given preferential consideration if they are suitable. We expressly welcome applications from people with a migration background. We expressly refrain from submitting photographs / application photos and therefore ask you to refrain from doing so.

Required documents:

1. a short CV (2 pages) with a link to your Google Scholar profile.
2. a brief but compelling letter of motivation (1 page) outlining your interest in this research opportunity.

Please send your complete application, as single PDF file, no later than 11/15/2023 to:

Prof. Dr. T. Ameri
Faculty of Engineering, Composite Materials
Kaiserstr. 2, 24143 Kiel

Phone: +49 431 880-6230
E mail: tam@tf.uni-kiel.de

Application documents received by mail will not be returned, but will be destroyed after completion of the procedures.

Here you can download the job advertisement as a pdf-document.