

Postdoctoral Researcher (100%, E13 TV-L) in Upscaling of Perovskite Photovoltaics

Our offer:

The “Solar Factory of the Future”, a cooperation project between the Chair of Materials Science (Materials of Electronics and Energy Technology, i-MEET) of the Friedrich-Alexander University Erlangen-Nürnberg and the Helmholtz Institute for Renewable Energy Erlangen-Nürnberg (HI-ERN), offers a post-doc position (full position, salary according to E13 TV-L) in the field of upscaling perovskite photovoltaics from lab scale to high-throughput manufacturing. The duration of the contract will be up to two years, with the opportunity of extension for another year.

Your task:

Your task will consist in developing processes and instrumentation for roll-to-roll manufacturing of long-lived high-efficiency perovskite modules on flexible substrates. You will work as part of an international team of scientists, engineers and technicians. Integral parts of your work will be:

- Cooperation with other research groups and industrial partners
- Publication of scientific results in high-level journals

Your qualifications:

- Master in physics, chemistry or materials science.
- Completed PhD in one of the above-mentioned subjects.
- Excellent experimental skills and solid theoretical background in printed photovoltaics, preferably perovskite photovoltaics.
- Hands-on experience in engineering, automation and data processing.

Timeline:

The position is to be filled by 01.06.2023 or later.

Please send your application with the usual documents (comprising cover letter, CV, references, grades and certificates) by e-mail to Dr. Hans-Joachim Egelhaaf (hans-joachim.egelhaaf@fau.de) before 17.04.2023.