

**11 PhD Positions in Electro-Optical-Mechanical Materials
and Devices for Energy Harvesting Systems
Friedrich-Alexander-Universität Erlangen-Nürnberg**

Direct Link: <https://www.AcademicKeys.com/r?job=257621>

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Posted Jun. 2, 2025, set to expire Oct. 2, 2025

Job Title	11 PhD Positions in Electro-Optical-Mechanical Materials and Devices for Energy Harvesting Systems
Department	Faculty of Materials Science and Engineering
Institution	Friedrich-Alexander-Universität Erlangen-Nürnberg Erlangen, Bavaria, Germany
Date Posted	Jun. 2, 2025
Application Deadline	Jul. 15, 2025
Position Start Date	Jan. 1, 2026
Job Categories	Graduate Student
Academic Field(s)	Mechanical Engineering Material/Metallurgy Energy Technology Electrical and/or Electronics Computer Science Chemical/Petroleum Engineering - Other
Job Website	https://www.igk2495.fau.de/
Apply By Email	igk2495-apply@fau.de
Job Description	

The International Research Training Group (IGK 2495)“Energy Conversion Systems: From Materials to Devices” at the Friedrich-Alexander-Universität Erlangen-Nürnberg offers

11 doctoral researcher positions for projects related to photo-electro-mechanical energy harvesting

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systems, including material synthesis, characterization, device integration, and material simulation.

We are seeking highly motivated doctoral researchers with a M.Sc., or equivalent, in materials science, chemistry, mechanical engineering, physics, mathematics, or electrical engineering. Ideal candidates have demonstrated excellence through their academic record and timely completion of B.Sc. and M.Sc. studies, in addition to having established interest and experience in the scientific area related to the IGK2495. Proficient oral and written communication skills in English are required. Doctoral researchers will work closely with various partners in both Germany and Japan, necessitating teamwork and interpersonal skills.

We offer a vibrant research environment, where you will work collaboratively with an international team of German and Japanese scientists and engineers on various aspects of photo-electro-mechanical materials and devices. The international training group will offer a variety of educational and training activities, such as tutorials, hands-on workshops, and yearly summer schools, to support doctoral researchers during their projects as well as develop intercultural training. As part of each project, an extended research stay (6 to 12 months) at our partner institute Nagoya Institute of Technology, Japan, is planned. We strive for an open and inclusive research environment.

Applications should include a CV, a letter of motivation, academic transcripts and certificates, and, if necessary, a letter detailing any other pertinent information, such as prolonged delays in study or significant extracurricular activities. In addition, a letter of recommendation is encouraged. Please mention a maximum of 3 projects you are interested in applying for. Please note that project B is not available. More information about individual projects can be found at www.igk2495.fau.de/.

Applications should be sent electronically by **15.07.2025** to igk2495-apply@fau.de.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Igk 2495
Faculty of Engineering
Friedrich-Alexander-Universität Erlangen-Nürnberg
Erlangen, Bavaria 91058
Germany

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