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Universität für Weiterbildung Krems

# Mitteilungen

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Jahrgang 2025 / Nr. 07 vom 12. Februar 2025

## **30. Stellenausschreibung – Senior Scientist – Postdoc (m/f/d)**

## 30. Stellenausschreibung – Senior Scientist – Postdoc (m/f/d)

The following position is available to strengthen our team of the Department for Integrated Sensor Systems at the Faculty of Education, Arts and Architecture:

### Senior Scientist – Postdoc (m/f/d)

40 hrs./week

Advertisement No. SB25-0007

#### Your tasks

- Develop and implement advanced numerical methods in simulation software for magnetic materials
- Develop machine learning methods for the optimization and design of magnetic materials
- Conduct simulations, analyze data and publish results in peer-reviewed international journals and conferences
- Coordinate and conduct international research projects
- Engage in international research collaboration
- Prepare and submit research proposals
- Supervise and guide students and scientific staff

#### Your profile

##### We require evidence of the following qualifications for the application:

- Completed university degree (doctorate/PhD) in Physics or Material Sciences
- Experience as a Postdoctoral Researcher (more than 5 years)
- A research-oriented attitude and the ability to transfer knowledge
- Track record in peer-reviewed international journals in this research field
- Successful research project acquisition
- Extensive knowledge and experience in material simulation and magnetism
- Experience with the Finite Element Method in application and development
- Experience with the application of machine learning methods in the development of magnetic materials
- Excellent communication skills in German and English (both level B2)

##### In addition, the following criteria are desirable:

- Experience in creating synthetic grain structures of magnetic materials
- Experience in managing and conducting international research projects
- Teamwork skills, high communication and organizational competence
- Broader knowledge in the field of magnetic materials, especially with rare earth lean permanent magnets

#### Your perspective

- Full time (40 hours/week) incl. paid lunch break (30 minutes, on days with more than 6 hours working time)
- Minimum salary of EUR 4,932.90 gross per month (14x) on a full-time basis. Willingness to pay more based on relevant qualifications and work experience.
- Classification according to § 49 VwGr. B1, [Kollektivvertrag für Universitäten \(collective agreement for universities\)](#)
- Innovative and modern working environment at the Campus Krems
- Possibility of home office and mobile working (max. 42% of working hours)
- Very good opportunities for further education within the framework of our own study programs, extensive offer of workplace health promotion as well as the University Sports Institute (USI)

Persons with disabilities who meet the required profile criteria are expressly invited to apply for this position.

The University of Continuing Education Krems sees high innovation potential in the diversity of its employees and is committed to diversity as a guiding principle.

We look forward to receiving your online application by **February 26, 2025**, via our online tool: [Vacancies - University for Continuing Education Krems](#)

**Your application should include:**

- Cover letter (max. two pages)
- Curriculum Vitae
- Degrees and transcripts
- Two writing samples (e.g., Master thesis, seminar paper, scientific articles, etc.)

Mag. Friedrich Faulhammer  
Rektor