

Helmholtz-Zentrum Dresden-Rossendorf e.V.



With cutting-edge research in the fields of ENERGY, HEALTH and MATTER, around 1,500 employees from more than 70 nations at Helmholtz-Zentrum Dresden-Rossendorf (HZDR) are committed to mastering the great challenges facing society today. The Center for Advanced Systems Understanding (CASUS) is a German-Polish research center for data-intensive digital systems research. CASUS is looking for a Postdoc (f/m/d) machine learning aided virtual materials design.

Postdoc (f/m/d) machine learning aided virtual materials design

City: Görlitz; Starting Date: 01/05/25; Duration: 24 months; Renumeration: TVöD-Bund;
Reference number: 2025/28; Closing date: 27/02/25

Working field

- Design and train machine learning models to predict materials properties
- Developing and utilizing automated workflows
- Performing machine learning aided large-scale simulations
- Collaborating with peers including experimental project partners
- Publishing results in academic and peer-reviewed journals
- Presenting results at scientific meetings
- Supervising junior members of the group

Requirements

- Completed university studies (PhD) in the field of Computer Science, Physics, Chemistry, or a related field
- Proficiency in Python
- Strong motivation to work in a collaborative environment
- Excellent communication skills in English and in a professional context
- Experience with Linux, Git and related tools as well as high-performance computing

What We Offer

- A vibrant research community in an open, diverse and international work environment
- Scientific excellence and extensive professional networking opportunities
- Salary and social benefits in accordance with the collective agreement for the public sector (TVöD-Bund) including 30 days of paid holiday leave, company pension scheme (VBL)
- We support a good work-life balance with the possibility of part-time employment, mobile working and flexible working hours
- Numerous company health management offerings
- Employee discounts with well-known providers via the platform Corporate Benefits
- An employer subsidy for the "Deutschland-Ticket Jobticket"

Application

We look forward to receiving your application documents (including cover letter, CV, diplomas/transcripts, etc.), which you can submit via our online-applicationsystem:
<https://www.hzdr.de/db/Cms?pNid=490&pLang=en&pOid=73949>

More information at <https://stellenticket.de/191401/>
Offer visible until 27/02/25

