



Technische Universität Berlin offers an open position:

## **Research Associate (PostDoc) - salary grade 13 TV-L Berliner Hochschulen - 2nd qualification period (Habilitation)**

Part time employment may be possible; under the reserve that funds are granted

**Faculty III - Institute of Materials Science and Technologies / Department of Ceramic Materials**

**Reference number:** III-466/24 (starting at 01/11/24 / limited for 5 years / closing date for applications 20/09/24)

### **Working field:**

We are looking for a person with in-depth knowledge in the field of processing technology of advanced ceramic materials / non-metallic inorganic materials with one or more thematic focuses from the following list:

- Shaping technology
- Sintering technology
- Additive manufacturing by means of extrusion processes or photopolymerization
- Silicate ceramics
- Polymer-derived ceramics
- Stimuli-responsive ceramics or composites

The selected candidate will conduct innovative scientific research by deepening and complementing the already ongoing research and teaching activities of the Chair. Ability to conduct independent research and teaching is required. It is strongly encouraged and expected that the selected applicant will pursue further qualifications (e.g. ERG application, Emmy-Noether application or similar).

### **The tasks include:**

- Independent conception, application and coordination of research proposals
- Supervision of students and doctoral candidates
- Supervision of the relevant research infrastructure
- Initiating, establishing and coordinating collaborations with research institutions and companies as well as research projects
- Scientific publications
- Independent conception, organization, supervision and implementation of courses
- Coordination of the Bachelor's and Master's degree programs offered by the institute

### **Requirements:**

- Successfully completed scientific university studies (Master, Diplom or equivalent) with a doctorate in the field of materials science, materials engineering, chemistry, physics or a related discipline
- A profound understanding of non-metallic inorganic materials as evidenced by the topic of the doctorate or scientific publications after the doctorate
- Profound expertise in the field of technical ceramics technology / non-metallic inorganic materials, proven by scientific publications, project proposals or supervised theses
- Proven laboratory experience and experience with the use of basic experimental equipment in the field of non-metallic inorganic materials
- Proven excellence in scientific research and method development as evidenced by publications
- International experience
- Researcher profile and willingness to apply for and establish an own research group in the future
- Proven ability and experience to collaborate and communicate effectively with research institutions and companies
- Proven experience in the conception, organization, supervision and implementation of courses (in particular lectures and laboratory practicals) in German and English
- Proven experience in the supervision of students and doctoral candidates
- Proven didactic ability to teach documented by teaching evaluations
- The ability to teach in German and/or in English is required; willingness to acquire the respective missing language skills

### **Desirable:**

- Proven ability to work independently and in a team
- Proven organizational, coordination and communication skills

Please send your application exclusively **by e-mail to [bewerbung@keramik.tu-berlin.de](mailto:bewerbung@keramik.tu-berlin.de), quoting the reference number**. The application documents (merged in a SINGLE PDF document, max 10 MB) must contain (1) a cover letter (max 1 page), (2) curriculum vitae (max two pages), (3) certificates (university degree, doctorate), (4) copy of the dissertation (or access to it via cloud/library), (5) proof of teaching experience with evaluations and (6) a statement (max.

five pages). In your Statement (no. 4), you must demonstrate how you meet the above qualifications (required and desirable) (e.g., through theses, professional and private projects, publications, links to platforms such as GitHub or similar).

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guarantee for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: [https://www.abt2-t.tu-berlin.de/menue/themen\\_a\\_z/datenschutzerklaerung/](https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/).

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities.

Employment position: Faculty III, Institute of Materials Science and Technology, Department of Ceramic Materials  
For more information: <https://www.keramik.tu-berlin.de/menue/home/>

The vacancy is also available on the internet at  
<https://www.personalabteilung.tu-berlin.de/menue/jobs/>

