The Leibniz Institute for Solid State and Materials Research Dresden – in short IFW – is a legally and economically independent research institution and a member of the Leibniz Association. The five institutes of the IFW operate in joint research programs (in four fields: functional materials, quantum materials, nanoscale materials, towards products) and have the level of equipment, which befits an internationally leading research facility. Further information at: http://www.ifw-dresden.de

The Institute for Metallic Materials (Prof. K. Nielsch) of the IFW Dresden offers a

**Junior Research Group Leader (m/f/d)**

on the following topic:

**Additive Manufacturing of Nanostructured Functional Materials.**

The junior research group leader (m/f/d) should have experience in the field of additive manufacturing of nanostructured functional materials and related topics. With the help of these technologies combined with atomic layer deposition and electrochemistry, new applications are expected to be developed, e.g. devices for energy conversion, sensing, microfluidics or actuators. The junior research group leader (m/f/d) should have a completed PhD in mechanical engineering/manufacturing, materials science, applied physics, or electrical engineering and research experience abroad or in industry.

The junior research group leader (m/f/d) can potentially work on one of the following research topics or related topics in the future and expand the existing research profile of the Institute for Metallic Materials at IFW:

- Thermoelectric modules using additive manufacturing
- ALD or electrochemistry-based printing processes
- Chemical microreactors based on additive manufacturing for the synthesis of nanomaterials
- Superconducting or magnetic applications via additive manufacturing

The position is remunerated according to TVL E14, provisionally limited to 2 years and starts with an orientation phase, in which the junior research group leader (m/f/d) builds up own research group, advances first third-party funding and research initiatives at IFW. Upon proof of independent publications in the field of additive manufacturing and submission of an independent proposal for a third-party funded project, the Junior Research Group Leader position will be extended. Depending on the successful acquisition of third-party funding, the completion of a habilitation or the application for an ERC Starting Grant or a comparable project, an extension by 4 years to a total of 6 years may typically be granted. Taking into account parental leave, further fixed-term employment can be made possible within the framework of the academic contract law (WissZeitVG).

The institute promotes the professional equality between all genders. The IFW would like to increase the proportion of women in science. Qualified women are therefore explicitly invited to apply. The application of severely disabled persons is expressly desired.

The applicant (m/f/d) should submit a cover letter, curriculum vitae, list of publications and 3 highlight publications (or patents) as well as a research outline (max. 5 pages). Applications should be submitted citing the reference number 027-22-2000 no later than April 15th, 2022 online as a single pdf-file to:

bewerbung@ifw-dresden.de

For further inquiries, please contact Prof. Kornelius Nielsch (K.Nielsch@ifw-dresden.de)