

The Leibniz-Institute for Crystal Growth (IKZ) is a leading research institution in the area of science & technology as well as service & transfer of crystalline materials. Our goal is to enable solutions for urgent societal challenges (e.g. communication, artificial intelligence, climate protection, health etc.) by modern electronic & photonic technologies. The work covers the full spectrum from basic over applied research up to pre-industrial development and is performed in collaboration with national and international partners from university, academy and industry. The institute is part of Forschungsverbund Berlin (<https://www.fv-berlin.de/>) and a member of the *Leibniz Association* www.leibniz-gemeinschaft.de. You can find more details on the institute webpage: www.ikz-berlin.de.

In the "Semiconductors" section we are looking for a

Crystal Grower (m/f/d)

In the field of semiconductor materials.

IKZ is seeking to hire a crystal grower with experience in the melt growth for semiconductor crystals, e.g. Silicon and Germanium. Cz growth of bulk crystals is a unique expertise of our institute and is one of the main stream research activities of the semiconductor section. The Si, Ge and SiGe high quality crystals with tailored properties and/or with ultra-high-purity find wider applications in energy-efficient electronics, photonics, quantum computing, or radiation detectors for fundamental research. With our state-of-the-art lab facilities and variety of pre-industrial scale Cz-pullers, Si & Ge crystals of up to 6-inch diameter can be grown. As one of the key personnel for the Cz-growth related activities, you will contribute to the process developments and as well to the application-oriented research, besides routinely growing crystals.

Assignment:

Your area of responsibility and **your tasks** will span over all the aspects of the growth process and technical developments, which includes, but not limited to:

- Czochralski growth of larger size silicon, germanium and SiGe single crystals
- Growth process development, optimisation and documentation
- Jointly working with construction engineers for new equipment development
- Training the students
- Co-operating with technicians
- Involvement in scientific research works and projects

Requirements:

- Completed training as a laboratory technician, CTA, PTA, MTA or similar, alternatively a technical university degree in process engineering, materials science or a comparable subject area
- Proven practical experience in the melt growth of bulk crystals
- Knowledge of measurement techniques, analysis and evaluation of process data
- Structured and goal-oriented work attitude, team player and hands-on mentality
- German & English language skills at a basic level are needed
- Experience in advanced process control is advantageous

What we offer

- A stimulating, multidisciplinary, modern laboratory working environment
- Contributing to state-of-the-art research/process development and be leading the growth experiments
- A full-time position, initially limited for 2 years, and later an unlimited contract is possible

- Payment in accordance with the collective agreement for the public sector (TVöD Bund, classification is based on qualifications and experience) including the usual social benefits (30 vacation days with a 5-day week, company pension scheme) and a company ticket allowance.
- Individual opportunities for internal and external training

For more information please contact: Priv.-Doz. Dr. R. Radhakrishnan Sumathi at radhakrishnan.sumathi@ikz-berlin.de.

Equal opportunities apply to all applications. The Institute strives to increase the proportion of women, therefore applications from qualified female candidates are particularly welcome. Applications from severely disabled persons and persons of equal status within the meaning of SGB IX will be given preferential consideration if they are equally suitable or qualified. The IKZ actively supports the compatibility of career and family and is certified as family-friendly by the "Career and Family" audit.

Does this sound interesting to you?

Apply then directly by clicking on the "**Apply online**" button below with a letter of motivation, curriculum vitae and all relevant certificates. Applications will be accepted until the position is filled.

We look forward to receiving your application!

[APPLY ONLINE](#)