

The European XFEL will make available X-rays of unique quality for studies in physics, chemistry, life sciences, materials research and others. Located in the Hamburg area, Germany, it will comprise scientific instruments for a wide range of experimental techniques. Construction of the European XFEL is underway, its commissioning is scheduled for 2014. The European XFEL GmbH is a non-profit company with DESY as the German shareholder. Shareholders from other states will join the company soon. We are looking for an

## X-Ray photon diagnostics expert (f/m)

### The position

- design of an x-ray monochromator for photon-beam based commissioning of the undulators
- supervise the prototyping and verify the design of diagnostics equipment by experiments at major synchrotron facilities
- conduct research in collaborations aimed at timing characterization of the photon pulses
- participate in the definition of the requirements for all photon diagnostics systems and the photon-beam based commissioning
- support simulation activities to determine the spatial and spectral distribution of the spontaneous and coherent photon radiation
- interface with scientists and engineers in related work packages like undulator systems and x-ray beam transport and optics

### Requirements

- PhD in physics and experience in the development and use of X-ray optical devices
- ideally background in characterization of X-rays and ultrafast processes
- good communication skills and ability to work in an international team of physicists and engineers

For additional information please contact [jan.gruenert@xfel.eu](mailto:jan.gruenert@xfel.eu)

**Reference number:** S-019(J)

**Application:** Please apply via e-mail: [recruitment@xfel.eu](mailto:recruitment@xfel.eu)

**Duration:** This appointment is initially limited to 3 years.

Salary and benefits are similar to those of public service organisations in Germany. Handicapped persons will be given preference to other equally qualified applicants. The European XFEL GmbH is an equal opportunity, affirmative action employer and encourages applications from women. English is working language, knowledge of German is considered an asset. The European XFEL GmbH intends to achieve a widely international staff. Non-German candidates hired from abroad receive an international allowance.