

ELI Beamlines research centre in Dolní Břežany is part of pan-European infrastructure ELI (Extreme Light Infrastructure) representing a unique tool of support of scientific excellence in Europe by making available its capacities to the best scientific teams across the world. The aim of ELI Beamlines is to establish the most intensive laser system in the world and to operate it on a long-term basis. Due to ultra-high performances of 10 PW (1 petawatt = 1,000,000,000,000,000 watts) and concentrated intensities of up to 1024 W/cm<sup>2</sup>, we can offer our users a unique source of radiation and beams of accelerated particles. The so called beamlines will enable groundbreaking research in the area of physics and science dealing with materials, but also in biomedicine and laboratory astrophysics and many other fields. ELI Beamlines is part of the Institute of Physics of the Czech Academy of Sciences, and it was open in 2015.

The Institute of Physics of the Czech Academy of Sciences is a holder of the HR Excellence in Research Award. It is awarded by the European Commission to institutions which put significant effort into improving their HR strategy and ensuring professional and ethical working conditions.

ELI (Extreme Light Infrastructure) project is involved in a European project Photon and Neutron Open Science Cloud – PaNOSC which aims at developing and providing services for scientific data and integrating them to the European Open Science Cloud (EOSC).

## Scientific Data Management Specialist (Software Engineer)

### Job description:

Your main mission will be to implement solutions for cataloging experimental data and metadata and integrating them into PaNOSC and EOSC. You will collaborate with multiple teams at ELI as well as within PaNOSC project to bring data from their acquisition to publicly accessible web services based on FAIR Data Principles (Findable, Accessible, Interoperable, Reusable).

### Required skills:

- university degree in Computer Science, Engineering, Science, or related field
- experience with working with scientific data and metadata
- experience with setting up and managing databases
- experience with development of APIs
- experience with programming in Python

- good knowledge of Linux/Unix programming environment
- proficiency in English

**Desired skills:**

- experience with machine learning for big data processing
- experience with control systems like TANGO
- experience in European projects and international collaborations

**We offer:**

- the opportunity to participate in this unique scientific project
- competitive and motivating salary
- flexible working hours
- nice working environment
- career growth
- lunch vouchers, pension contribution and 5 sick days
- support of leisure time activities

Applications, containing CV, cover letter, contacts of references, and any other material the candidate considers relevant, should be sent to Mrs. Jana Ženíšková, HR specialist ([jana.zeniskova@eli-beams.eu](mailto:jana.zeniskova@eli-beams.eu), +420 - 601560322).

Information regarding the personal data processing and access to the personal data at the Institute of Physics of the Czech Academy of Sciences can be found on: <https://www.fzu.cz/en/processing-of-personal-data>