

The ELI (Extreme Light Infrastructure) Project is an integral part of the European Union plan to build the next generation of large research facilities. ELI-Beamlines was opened in 2015 as a cutting edge laser facility and currently is starting to offer open access beamtime to users. ELI-Beamlines is delivering ultrashort, ultra-intense laser pulses lasting typically a few femtoseconds (12-150 fs) with peak powers ranging from 5 TW up to 10 PW. It will make available time synchronized laser beams over wide range intensities for wide range of interdisciplinary applications in physics, medicine, biology, material science etc. The high laser electric field intensities of the laser pulse is also used for generating secondary sources of e- and p+. ELI Beamlines is a 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 human resources strategy and ensuring professional and ethical working conditions.

Several experimental programs are under construction (e.g. X-rays, particle acceleration, plasma physics, and high-field) and require vacuum/mechanical designers to accompany design and commissioning phases of ELI facility installation. The successful candidate is expected to interact strongly with the scientists on the one side and the construction/planning team on the other side. In our team we are looking for a:

Vacuum/Mechanical Designer (IV-23)

The candidate is supposed to work predominantly on the following topics:

- design of vacuum vessels and components (flanges/feedthroughs/pipes)
- design of cooling systems and cryogenic systems
- support and participate on installation activities with laser, experimental and systems engineering teams
- preparation of technical specifications for vacuum devices

Requirements:

- proven experience in the field (min 3 years)
- expert knowledge of 3D CAD software (Autodesk Inventor or NX)
- university education in mechanical engineering
- good knowledge of English language
- ability to work in a team as well as independently

We offer:

- the opportunity to participate in this unique scientific project
- pleasant work environment
- competitive and motivating salary
- five weeks of holiday and other employee benefits

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, +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>