

ELI Beamlines research center 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 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 up to 10 PW and concentrated intensities of up to 10^{24} W/cm², we can offer our users a unique source of radiation and beams of accelerated particles. The so-called beamlines will enable ground-breaking 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 opened 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.

For the development, delivery and support of laser and experiment control systems, we invite applications for a new group member:

Software Engineer (136)

The suitable candidate will be responsible for:

- assisting with the development, delivery and support of the control systems at ELI Beamlines
- developing software for server, PC, real-time Linux, and/or FPGA/embedded target platforms according to skill set
- designing and implementing graphical user interfaces to support laser operator and experimental scientist tasks (LabVIEW and/or web-based)
- providing integration for 3rd party devices, systems and databases
- enhancing software development and operations infrastructure and workflows
- supporting the daily operation of the laboratories, applying bug fixes faults and responding to system operator and scientist requests

Requirements:

- university degree with a focus on one or more of the following disciplines: electrical or electronic engineering; software engineering; other scientific degree

- practical experience in software development for control systems, automation or research
- excellent working knowledge of English, verbal and written
- at least one of the following would also be desirable:
 - experience with LabVIEW (at CLD level or higher)
 - experience with JavaScript, modern web full-stack (Node, React, OpenAPI, ...), Data visualization/dashboard frameworks (Grafana, Kibana, ...)
 - experience with scientific data processing, image processing, etc.

We offer:

- the opportunity to participate in this unique scientific project
- career growth, professional education
- competitive and motivating salary
- flexible working hours
- 5 weeks of holidays and 6 days of personal leave
- challenging and tolerant work environment
- meal allowance, pension contribution
- 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, +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>