

The ELI Beamlines Centre is part of the Extreme Light Infrastructure (ELI) project, a new research infrastructure of international significance. The lasers at ELI Beamlines aim to deliver unprecedented ultrashort, ultraintense laser pulses for diverse interdisciplinary applications in physics, medicine, biology and materials science. Currently several of the main laser beamlines are operational and are being expanded and upgraded to reach their full performance and maximum availability. Other laser beamlines are in commissioning and new cutting-edge laser sources are in the design and development phase.

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

LabVIEW Software Developer

The suitable candidate will be responsible for:

- assisting with the development, delivery and support of the laser control systems at ELI Beamlines
- developing LabVIEW software for real-time and FPGA/embedded platforms to interface a wide range of sensors, instrumentation and infrastructure using software frameworks and libraries developed by the laser control system
- studying current techniques and developments in laser control systems ranging from high performance laser diagnostics to high reliability safety systems
- supporting the daily operation of laser development laboratory, applying bug fixes and feature requests and responding to laser operator requirements

Requirements:

- university degree with a focus on one or more of the following disciplines: electronic engineering, software engineering, mechatronics, automation, computer science, applied physics or mathematics
- practical experience of LabVIEW software development, *e.g.*, from a major project or dissertation/thesis work
- excellent working knowledge of English, verbal and written
- at least one of the following would be also desirable:
 - LabVIEW qualifications such as CLAD and CLD
 - experience working in an experimental research facility
 - experience with lasers and laser diagnostics

Job conditions:

- the opportunity to participate in this unique scientific project
- career growth, professional education
- competitive and motivating salary
- 5 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).