Institute of Physics ASCR, v. v. i., Na Slovance 2, 182 21 Praha 8

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The ELI (Extreme Light Infrastructure) Project is an integral part of the European plan to build the next generation of large research facilities. ELI-Beamlines is a cutting-edge laser facility that is currently being constructed in Dolní Břežany (on the southern border of Prague); its commissioning is scheduled for end of 2017. ELI will be delivering ultra-short, ultra-intense laser pulses lasting typically a few tens of femtoseconds (up to 150 fs) with peak power projected to reach 10 PW. It will make available time synchronized laser beams over a wide range of intensities for multi-disciplinary applications in physics, medicine, biology, material science etc. The high laser electric field intensities of the laser pulse will be also used for generating secondary sources of e^- and p+ and high-energy photons.

Control system team is responsible for control of systems used in ELI Beamlines. The latest state of the art technologies are used for this task and we are looking for new colleagues:

Control system programmer

Job description:

- control system design
- development of control system in C++/C/Python
- graphical user interfaces development
- preparing documentation for control system
- potentially writing software for embedded systems

Requirements:

- university degree with focus in one or more of the following: control, electronics, mechatronics engineering
- good knowledge of C++/C programming
- at minimum basic knowledge of Python
- good knowledge of Linux/Unix programming environment
- control system hardware understanding capability
- knowledge of QT GUI programming is an advantage
- good working knowledge of English (written and verbal)

Skills:

- eperience with C++/C programming
- experience with embedded programming is an advantage

Job conditions:

- the opportunity to participate in this unique scientific project
- career growth, professional education
- 5 weeks of holidays and other employee benefits
- pleasant work environment

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Applications, containing CV, cover letter, contacts of references, and any other material the candidate considers relevant, should be sent to Mrs. Jana Ženíšková (jana.zeniskova@eli-beams.eu, +420 601 560 322).

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**

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