

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 as a cutting edge laser facility is currently being constructed in Prague, Czech Republic; its commissioning is scheduled for end of 2015. ELI will be delivering ultrashort, ultraintense laser pulses lasting typically a few femtoseconds (10-15 fs) with peak power projected to reach of up to 200 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 will be also used for generating secondary sources of e⁻ and p⁺. Laser beams will be transported in vacuum over large distances to the experimental chambers.

For construction of the optical transport systems we invite applications for new group members

APPLIED PHYSICIST – OPTICS (Junior Researcher 2x)

The suitable candidates will be involved in

- Design of large optical systems for very high powers
- Testing of optical surfaces and coatings by femtosecond lasers
- Characterization of prototyped optical elements
- Simulations of optical elements
- Collaboration with international research institutes and participation in conferences

Requirements:

- Candidates are expected to have a Master degree (or eq.) in Physics/Optics/Fine Mechanics;
- Working experience with optical systems;
- Creative mind and attention to detail;
- Knowledge of the following codes would be an advantage ZEMAX, Oslo, Matlab, LabView
- Good working knowledge of English and knowledge of other languages would be beneficial.

Location

ELI Beamlines, Academy of Sciences CR Na Slovance 2, Prague, Czech Republic (until mid-2014)

ELI Beamlines, Dolni Brezany near Prague, Czech Republic (starting mid-2014)

Application process

Applications should be sent to

Ing. Mirka Svobodova (svobodova@fzu.cz, tel:+420266052547). Please provide your curriculum vitae and cover letter (in English), as well as a name and contact details (e-mail address and phone number) of one reference person. Please include the following text in your cover letter, to allow us to process your personal details:

A agree that, according to the decree 101/2000 coll.(Czech Republic), my personal details sent to FZU AV CR, v.v.i. , Na Slovance 2, 18221 Praha 8, Czech Republic can be used for the purpose of obtaining employment and management of database of employment candidates. This permission is given for the period of one year and can be at any time withdrawn by giving a notice in writing.

The deadline for applications is open. Relevant candidates will be invited to interview by phone or videoconference, and final interviews will be held in person.