ELI-HU Research and Development Non-Profit Limited Liability Company is looking for a

CHIEF RESEARCH ENGINEER

The Hungarian ELI: the Attosecond Light Pulse Source (ALPS)

The first civilian large-scale research facility based on high-power lasers, the Extreme Light Infrastructure (ELI), is to be constructed with international cooperation at three locations with a coordinated management and research strategy. The the Attosecond Light Pulse Source (ALPS) research centre to be built in Szeged, Hungary will be devoted to study of electron dynamics on the femto-, attosecond scale in atoms, molecules, plasmas and biological samples. Experimental projects demanding ultrahigh intensity light, like laser particle acceleration or laser generated X-ray radiation will be mainly carried out at the Beamline Facility in Prague, while the photoinduced nuclear experiments will be performed at the research institute to be built in Magurele, next to Bucharest.

The primary mission of the ELI-ALPS research facility to be built in Szeged is to make a wide range of ultrafast light sources accessible to the user groups of the international scientific community, with special consideration to coherent extreme-ultraviolet (XUV) and X-ray radiations, and to attosecond pulses. The secondary mission of the facility is to contribute to the scientific and technological development necessary for the generation of 200 PW peak intensity pulses.

Main responsibilities of the Chief Research Engineer (CRE)

The CRE will serve as the main person in charge of the engineering, which is closely related to the experimental research activity in ELI-ALPS. He/she will carry out his/her activities in close collaboration with the scientific and technical group leaders and leading scientists of the ELI facility in Szeged. He/ she will not be charged with general infrastructure-related engineering. He /she will be coordinating the formation of and will be leading the engineering group, including IT, electronic and mechanical engineers and skilled workforces.

The CRE will be the deputy of the Research Technology Director (later the Scientific and Technology Director) in engineering issues.

Specific tasks:

- Participation in the final design of the service stations and facilities for the scientific research equipments (system engineering).
- Control and monitoring of the implementation of the services needed for the running of the scientific research equipments.
- Establishment of the engineering group consisting of junior engineers and skilled workforces in mechanical, electronic and IT workshops

Requirements / advantages

- At least MSc or equivalent degree in engineering. Advantage is given to mechanical, IT, electrical or system engineers

ELI-HU Nonprofit Kft.
Székhely : H-6720 Szeged, Dugonics tér 13.
Iroda : H-1024 Budapest, Kis Rókus u. 16-20. E.ép. II. emelet
E-mail : info@eli-alps.hu
Honlap : www.eli-alps.hu

Nemzeti Fejlesztési Ügynökség
www.ujszechenyiterv.gov.hu
06 40 638 638
MAGYARORSZÁG MEGÚJUL
A projektek az Európai Unió támogatásával, az Európai Regionális Fejlesztési Alap társfinanszírozásával valósulnak meg.

- At least 10 year working experience in engineering. Advantage is given to the applicants who have experiences also in R & D & I
- At least 3 years experience as head of unit(s)
- At least 3 year experience in project management
- Fluent in English
- Capability to work with colleagues from very diverse research areas
- Structured and problem solving thinking
- Keeping deadlines

We offer:

- Competitive salary
- Challenging job with carrier opportunities
- Pleasant working environment in a brand new infrastructure
- Language courses to learn basic Hungarian

Schedule:

- Application deadline: 1st July, 2013.
- Earliest start of the employment: 1st August, 2013.
- Latest start of the employment: 1st November, 2013.

Further information:

- In research / technology related matters: Dr Karoly Osvay
- In legal matters: Dr Viktoria Tölgyesi

If you are interested in the position and meet the required criteria, please submit your detailed CV in English with photo and salary expectations to monika.barany@eli-alps.hu

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