

ELI-HU Non-Profit Limited Liability Company is announcing job opening in

Senior Mechanical Engineer

position

Job Background

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 Attosecond Light Pulse Source (ALPS) research centre in the final stages of construction in Szeged, Hungary will be devoted to study electron dynamics on the femto-, attosecond scale in atoms, molecules, plasmas and biological samples.

The primary mission of the ELI-ALPS research facility in Szeged is to make a wide range of ultrafast light sources accessible to users of the international scientific community, with special consideration to coherent extreme-ultraviolet (XUV) and X-ray radiation, and to attosecond pulses. The secondary mission of the facility is to contribute to the scientific and technological development towards high average power high peak intensity lasers.

ELI-HU Research and Development Non-Profit Ltd. coordinates the preparation, construction and operation of ELI-ALPS, an international laser research center.

Job Requirements

- Master's degree in Mechanical Engineering
- Relevant experience in machine design
- Excellent mechanical, drawing, material and production technology skills
- Experience in 3D CAD work, preferred the Solid Edge
- Full design cycle experience
- Team player and independent and creative worker
- Good work ethic and having a positive attitude
- Ability and willingness to learn new technologies
- Ability and willingness to meet tight deadlines
- Outstanding problem solving skills
- Excellent oral and written communication skills
- Good command of English
- Ability to produce high quality technical reports in English
- Flexibility and the ability to cope with heavy workload
- Willingness to travel

Non-essential but preferred experience

- Safety and mechanical standard knowledge
- Work under quality assurance condition
- Scientific and/or optics background
- Special purpose machine making background
- Experience of Solid Edge, Comsol, Mathcad software usage
- Vacuum (HV and UHV) experience
- HVAC system and cooling system experience

Job Description

The successful candidate will:

- design and develop special equipment for scientific application,

- support the scientific groups,
- participate with the coordination of suppliers' work, elicitation and communication of requirements, design reviews,
- work well in teams including close collaborations with other scientists, engineers and technicians,
- cooperate with product vendors and collaborate with teams of international scientists,
- work within production deadlines.

ELI-ALPS offers

- cutting-edge and unique infrastructure
- an opportunity to participate in the support of novel cutting-edge research
- an international team of scientists and engineers with a really diverse background
- unprecedented challenges
- a competitive salary
- attractive fringe benefits
- a pleasant working environment in a brand new infrastructure

Application protocol

In case of any technical question, further professional elaboration and informal discussion on this position, please contact Lajos FULOP (Lajos.Fulop@eli-alps.hu) and Diana TOTH (diana.toth@eli-alps.hu).

If you are interested in any of these positions and meet the required criteria, please submit your application documents detailed above to <http://www.eli-alps.hu/career/>.

Europass format would be appreciated (CV, motivation letter) but not obligatory.

Further Information



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3D Animation



Construction Site Video