

**Laser Engineer/Physicist for 10 PW Lasers**  
at the **Extreme Light Infrastructure – Nuclear Physics (ELI-NP)**  
**Research Activity 1 – High-Power Laser System**

**Job description and candidate's profile**

**Scope of work**

During the implementation phase, laser engineers/physicists will participate in all activities of factory testing, installation and commissioning of the HPLS (High Power Laser System) and LBTS (Laser Beam Transport System). They will participate in all training activities provided by the HPLS and LBTS suppliers related to laser systems.

During the operational phase, the laser engineers/physicists will ensure the smooth operation of the HPLS and LBTS, and they will play an active role in the design and implementation of the planned upgrades of the HPLS.

**Main responsibilities:**

In the implementation phase:

- The engineers/physicists will gather the knowledge and experience necessary to ensure the operation of the infrastructure and of the related equipment. In this context, they will benefit from training provided by the suppliers of the equipment regarding the assembling, testing and commissioning of the equipment.
- Ensuring the best and efficient collaboration and dialogue between the research staff and the suppliers of the respective equipment and various services;
- Ensuring the conformity of the activities with the standards in the field.

In the operational phase:

- Maintaining the performances of the ELI-NP equipment and systems to the desired level.
- Actively participating in the technological development activities performed at ELI-NP.
- Providing the technical support for the experiments.

**Main tasks**

- Participate in all activities related to installation, testing and commissioning of the high power laser systems (HPLS and LBTS).
- Actively participate in the development activities related to laser systems.
- Provide technical support for high power laser related experiments.
- Actively and efficiently get involved in dialogue and communicate within the ELI-NP team, promoting a harmonious collaboration framework.

**Professional background:**

- Bachelor or Master's degree in Engineering or Physics.
- Experience in working with laser systems or experience in a technical field close to laser technology.
- Willingness and ability to learn new, cutting edge laser technologies.
- Having a structured and organized approach towards work.
- Being able to set priorities and plan tasks with results in mind.
- Adapting quickly and resourcefully to shifting priorities and requirements.
- Fluency in English.
- Proven teamwork experience and efficient communication and collaboration skills.

**Working arrangements/Conditions of employment:**

- Full-time position, based in Bucharest–Magurele, Romania.
- Included: private medical coverage, paid annual leave;
- Motivating salary, at European level, based on qualifications and experience
- Professional, multicultural and interdisciplinary work environment

**Applications:**

Applications shall be accompanied by the documents requested in the Rules of Selection for this position.

Applications shall be sent to the Human Resources Department at [human.resources@eli-np.ro](mailto:human.resources@eli-np.ro) .