

## **Junior Engineer**

at the **Extreme Light Infrastructure – Nuclear Physics (ELI-NP)**

**Research Activity 2 - High-Brilliance Gamma Beam**

### **Job Description and Candidate's Profile**

#### **Scope of Work**

During the implementation phase the successful candidates will participate in all activities of factory testing, installation and commissioning of the High-Brilliance Gamma Beam System (GBS) components: photo-gun laser (PGL), interaction point lasers (IPL), laser beam transport lines (LBTL) and laser beam circulators (LBC). They will participate in all training activities provided by the GBS supplier related to the above-mentioned components.

During the operation phase the successful candidates will ensure the smooth operation of the GBS components and will play an active role in their further developments and upgrades.

#### **Main responsibilities:**

In the implementation phase:

- The engineers 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. Therefore, the candidates will have to be available to travel and work abroad for a determined period of time;
- 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:**

- Understand the technical aspects and requirements in operating high-tech equipment;
- Assist the experienced Engineers in all activities related to installation, testing and commissioning of the GBS laser systems;
- Assist the experienced Engineers in the development activities related to GBS laser systems;
- Assist the experienced Engineers in providing technical support for GBS 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 Physics, Engineering in the field of Automatics, Electronics, Electrical Engineering, etc.;
- Excellent academic performance;
- High ability to learn and understand project' equipment and technologies;
- Strong analytical skills;
- Being able to set priorities and plan tasks with results in mind;
- Adapting quickly and resourcefully to shifting priorities and requirement;

- Ability to work in a team and efficient communication and collaboration skills.
- Excellent written and oral communications skills
- Fluency in English.

**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
- Training and ongoing support from experienced staff

**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)