

## **Junior Researcher**

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:**

Junior Researchers will ensure part of the scientific expertise needed in the operation and development of the experiments of ELI-NP.

Junior Researchers will pursue their activity in working groups led by Senior Researchers, while the personal research and collaboration initiative will be encouraged.

#### **Main responsibilities:**

Junior Researchers will:

- Operate and maintain the ELI-NP high power laser system (HPLS) and laser beam transport system (LBTS);
- Participate to research activities led by Senior Researchers;
- Take part in scientific meetings and conferences;
- Take part in the definition and development of the ELI-NP experimental areas.

#### **Main tasks:**

- Performing the specific tasks within the Research Activity led by a Senior Researcher:
  - Assistance in the installation of the ELI-NP HPLS and LBTS;
  - Commissioning of the ELI-NP HPLS and LBTS;
  - Operation and maintenance of the ELI-NP HPLS and LBTS;
  - Support for experimental groups.
- Participating in scientific meetings and conferences;
- Participating in the preparation of the Technical Design Reports (TDRs) of the experimental areas of ELI-NP;
- Participating in the specific activities during commissioning and installation phase;
- Providing support for the preparation of the technical documents for the acceptance of Project's deliverables;
- Actively and efficiently involving in the dialog and communication within the ELI-NP team and promoting a harmonious collaboration framework.

#### **Professional background:**

- PhD degree in fields related to the research activity at ELI-NP;
- At least 2 years of experience (CS) and 4 years (CS III) in research and development or higher education, out of which at least 1 year (CS) and 2 years (CS III) of experience in laser physics or other ELI-NP related fields;
- Very good knowledge in a scientific field relevant for ELI-NP;
- Fluent in English;
- Proven teamwork experience, communication and efficient 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.
- The candidate should be available to travel abroad for scientific collaboration at various research infrastructures, for part of their time.

**Applications:**

The applications shall be accompanied by the documents requested in the Rules of Selection for these positions.

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