

**Technician (Mechanics and Vacuum R&D)**  
**at the Extreme Light Infrastructure – Nuclear Physics (ELI-NP)**  
**Research Activity 5 – Experiments with Combined Laser and Gamma Beams**

**Job Description and Candidate's Profile**

**Scope of work**

The ELI-NP Technicians will ensure the technical support for the equipment and the experiments during both the implementation and the operational phases of ELI-NP.

In the operational phase, the technicians will participate to the update and upgrade of the experimental setups and to the development of new experimental setups in RA5.

**Main responsibilities:**

- Acquiring the necessary knowledge and getting sufficient expertise for the installation, maintenance and monitoring the functioning of the equipment;
- Providing technical support for scientific and engineering activities, for the preparation and development of the experimental setups;
- Providing assistance and technical support during the operational phase to maintain the best performance of the ELI-NP.

**Main tasks:**

- Installation, acceptance testing, maintenance, support and documentation of systems within Research Activity 5 related to vacuum systems and high precision mechanics;
- Providing technical support for scientific and engineering activities;
- Actively and efficiently communicating within the ELI-NP team to promote a harmonious collaboration framework;
- Participating to the preparation of technical documents and reports.

**Competencies and experience:**

- High-school graduation diploma;
- Post high-school technical training in fields of interest for ELI-NP;
- Relevant experience in at least one of the following areas:
  - Construction and maintenance of high precision mechanical systems;
  - High vacuum systems, preferably in the framework of laser, nuclear or high-energy physics experiments;
- Familiar with vacuum technology principles (e.g. pumping speed, partial pressures, line conductance) and vacuum-compatible materials;
- Fluency in English;
- Proven teamwork experience, communication and efficient collaboration skills;
- Availability to travel and perform work stages abroad;

Would be a plus:

- Practical expertise in leak detection and residual gas analyser data interpretation;
- Experience in using CNC machining for custom made components.

**Conditions of employment:**

- Full-time position based in Bucharest–Magurele, Romania;
- Included: medical coverage, social security contribution, paid annual leave;
- Motivating salary depending on qualifications and experience;
- Participation to specific training courses.

**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).