



Students of mechatronics engineering are invited to apply for the practical component of their dual programme (BSc or MSc) in the Electrical Engineering Group of ELI ALPS Laser Research Institute

ELI ALPS Laser Research Institute is a large-scale research and user facility established at the initiative of the international scientific community as part of the ELI project, primarily funded by the European Structural Funds and supported by national co-financing. Its state-of-the-art laser systems and the light and particle sources driven by them enable high-intensity light–matter interaction experiments. This unique research technology provides previously inaccessible experimental opportunities to study ultrafast processes, opening new fields of research in physics, chemistry, and materials science. The results of the fundamental research carried out here may have a significant impact on several areas of life sciences and may also stimulate important photonic and technological developments.

What you will do:

- Participate in a work placement as part of a dual-track programme at ELI-HU Non-Profit Ltd., Szeged.
- Learn to apply in practice the theoretical knowledge acquired during a bachelor's or master's degree programme.
- Develop knowledge and skills relating to materials, tools and technology.
- Gain specific professional experience.
- Collaborate with the expert mentor at the research institute.

What we expect:

- Student status on the BSc/MSc Mechatronics Engineering programme at the University of Szeged.
- Motivation to gain experience in the design and implementation of electrical engineering solutions that are unique in the world.
- Eagerness to participate in the implementation of international projects.
- Outstanding interest in engineering.
- Openness to activities beyond academic studies.
- Proficiency in English, both in writing and speaking.
- Flexibility and a proactive approach.
- Ability to work both as part of a team and independently.
- Good problem-solving and communication skills.

In return we provide you with:

- A pleasant, professional working environment in an international team.
- Varied and challenging tasks.
- State-of-the-art technology with the latest equipment.
- Opportunities for professional development.



Starting date: February 2027

Place of work: Szeged

Application:

If you are interested in the position and meet the requirements, please upload your CV together with your motivation letter to our Career Site:

<https://app.indivizo.com/application?h=6adf4e9cb6196c00073e4206>

Extreme Light Infrastructure ERIC / ELI ALPS Facility/ ELI Beamlines Facility

The Extreme Light Infrastructure (ELI ERIC) is the world's largest high-power laser research facility, offering cutting-edge lasers for groundbreaking science and innovation. Operating across two sites – ELI Beamlines in the Czech Republic (near Prague) and ELI ALPS in Hungary (Szeged) – employing a diverse team of experts from around the globe.

ELI Beamlines operates four advanced femtosecond laser systems, delivering unmatched intensities. These lasers drive unique X-ray and particle sources for groundbreaking research in physics, chemistry, materials, life sciences, and astrophysics.

ELI ALPS operates state-of-the-art laser systems and secondary sources to deliver ultrafast light pulses, including attosecond pulses, and particle beams for pioneering research in physics, chemistry, materials and life sciences. Its advanced systems enable the exploration of ultrafast electron dynamics and complex molecular processes.