



The Extreme Light Infrastructure ERIC (ELI ERIC) is the world's largest and most advanced high-power laser research infrastructure. As an international user facility dedicated to multi-disciplinary science, ELI provides access to world-class high-power, high-repetition-rate laser systems and enables cutting-edge research, as well as breakthrough technological innovations. The ELI ERIC operates as a single multi-site organization with two complementary facilities specialized in different fields of research with extreme light: ELI Beamlines in Dolní Břežany (Czech Republic) and ELI ALPS in Szeged (Hungary).

ELI Beamlines Facility operates four cutting-edge high-power femtosecond laser systems reaching unprecedented intensities. The operational laser systems make unique femtosecond sources of X-rays and accelerated particles available to scientific users for pioneering research in physical, chemical, materials, life and medical sciences as well as physics of dense plasmas, warm dense matter, and laboratory astrophysics. The ELI Beamlines Facility employs over 350 researchers, engineers and other professionals from more than 38 countries.

In our team we have the following position available:

## **Linux Systems Engineer (196)**

### **Job description:**

- support ongoing operations of our supercomputing clusters
- implementation of monitoring solutions that gather, store and display performance and system status metrics of networked systems
- interface with other projects aimed at the remote and secure use of said HPC systems
- development of the documentation for existing solutions and procedures
- perform security assessments on Linux-based systems and solutions
- design and implementation of automation tools for use in future cluster upgrades
- support users in the development and optimization of scientific software

### **Requirements:**

- familiarity with the GNU/Linux operating system and its basic tools
- familiarity with network architectures and security
- experience with parallel filesystems and storage architectures
- able to communicate in English in oral and written forms
- basic programming skills, particularly in Bash, Perl, or Python
- we mostly value prior experience, flexibility, and effectiveness



**To provide the candidate a clearer context about the types of tools and systems that the team operates with, we present the non-exhaustive list below:**

- xCAT provisioning and management
- Slurm scheduler
- SQL Databases
- High-Speed Interconnection Networks (Infiniband QDR, EDR)
- Parallel filesystems (IBM SpectrumScale –aka GPFS-, LUSTRE)
- Virtualization (KVM, containers)
- Grafana, Graylog, Git, LDAP
- Networking and security

**We offer:**

- opportunity to work in this unique international scientific institution
- competitive and motivating salary
- flexible working hours
- good working environment
- career growth, professional education
- meal allowance, pension contribution
- 5 weeks of holidays and 6 days of personal leave
- support of leisure time activities

Applications, containing CV, cover letter, contacts of references, and any other material the candidate considers relevant, should be sent to Mrs. Jana Ženíšková, HR Senior Specialist (jana.zeniskova@eli-beams.eu). Please include the following text in your cover letter, to allow us to process your personal details:

Information on the processing of personal data can be found on <https://www.eli-beams.eu/informace-o-zpracovani-vasich-osobnich-udaju-gdpr/>. We are an equal opportunity employer.