

National Synchrotron Radiation Centre SOLARIS is looking for an employee for the position:

Electronic engineer

The National Synchrotron Radiation Centre at the Jagiellonian University SOLARIS is a first synchrotron infrastructure in Poland and the only one in Central Europe with an electron accelerator and a source of synchrotron radiation. It is currently the most modern and the largest multidisciplinary research device in Poland. As a strategic investment for the science development, the SOLARIS synchrotron (www.synchrotron.pl) has been placed on the Polish Road Map for Research Infrastructure.

Work at the Centre provides:

- participation in the maintenance and development of a unique, multidisciplinary research infrastructure,
- an opportunity to work in an international environment of experts,
- contact with the latest technologies,
- professional and personal development,
- intensive implementation training and substantive support,
- sports package,
- social package,
- employment contract,
- stability of employment.

The National Synchrotron Radiation Centre SOLARIS of the Jagiellonian University is seeking an Electronic engineer with passion.

Description of tasks:

- R&D related to the design of assisting electronics for the following systems: electron gun, linear accelerator, storage ring, beamlines
- modernization, improvements and development of diagnostic devices for electron and photon beams;
- measurements of subassembly parameters in order to achieve and maintain their high efficiency;
- support in the operation and development of the synchrotron.

Requirements:

- University degree in: electronics, electrical engineering, power electronics, radiocommunication;
- practical ability to design analog and digital electronics, signal processing;
- experience in the practical use of measuring devices: oscilloscope, spectrum analyzer, RF power probe, VNA;
- knowledge of electromagnetism and high-frequency techniques;
- ability to work individually and in a team;
- ability and willingness in fast learning and self-development;
- knowledge of the English language at the communicative level.

Welcome:

- knowledge of the Linux system, RaspberryPi minicomputers
- knowledge of fast data acquisition techniques on FPGAs
- programming skills in C, Arduino, Python
- knowledge of design tools (KiCad, Eagle, LT-Spice and similar)
- SEP entitlements

Place of work: Krakow

Additional information: We offer a full-time fixed-term employment contract with the prospect of employment for an indefinite period as a magnet specialist. If you want to work at the SOLARIS Centre, please send an email to: synchrotron@uj.edu.pl:

- CV,
- Motivation letter,
- signed and scanned information on the processing of personal data.

The file is available at:

<http://www.synchrotron.uj.edu.pl/documents/1457771/139521157/klauzula+UJ+rekrutacja.pdf/ba484c1d-9ebd-4bd0-81c0-bd76d913dffc>

Please write "Electronic engineer" in the subject line of your message. We reserve the right to contact only selected candidates.