

**FE****UNIVERSITY OF LJUBLJANA**
Faculty of Electrical Engineering

PhD grant - advanced materials

Includes: 4 years' salary (currently: net 1300 – 1500€/month + 6.9€/day lunch & travel reimbursement + "holiday" allowance - 1253€/year); fully covered tuition fees, resources needed to carry out the research; student status)

Supervisor and contact: Urša Opara Krašovec (ursa.opara@fe.uni-lj.si)

We are seeking a highly motivated candidate to join our interdisciplinary research team at the Faculty of electrical engineering working on exploring the advanced materials and their integration into the technologies supporting green and digital transformation (e.g. sensors, electronics, (photo)electrochemical devices, smart windows, etc.).

The PhD researcher will be integrated into the research activities of the Laboratory for Microsensor Structures and Electronics (LMSE), which cover, inter alia, the areas of semiconductor technology, MEMS, electronic circuits, microfluidics, materials for thick and thin films in electronics and smart windows (electrochromic and photochromic glazing).

The research programme will be highly interdisciplinary as it intertwines chemistry, material science and electrical engineering.

In addition to a relevant chemical (material science) or engineering background, the candidate is expected to have a good understanding of English, a motivation for scientific research and experimental work in the laboratory, and a desire to contribute to science, environmental protection and the advancement of society.

If you are passionate about science and technology development in support of the green transition, we invite you to apply and join our team.

Obligatory: enrolment in one of the PhD Programme of the University of Ljubljana in 2024/2025

Beginning of the contract: earliest 1st October 2024 (could be postponed)

Duration: 4 years

Eligibility:

- no more than 4 years have passed since the completion of your education (a completed 2nd-level study programme), - this period is extended if you were absent from work in the meantime due to parental leave insurance or were absent continuously for at least 6 months due to health problems,
- an average grade of at least good (8 out of 10) - grades from the 2nd level (or the integrated single cycle program) are considered; at least a good grade (8) for final thesis,
- not yet completed a doctoral study,
- not yet employed as a young researcher in Slovenia.

More details on the call for young researchers are published [here](#).

Tender will be re-opened in august 2024 – you are encouraged to contact Urša Opara Krašovec (ursa.opara@fe.uni-lj.si) before.