

The Institute of Physics of the Czech Academy of Sciences, v. v. i. (FZU) is a public research institution, focusing on basic and applied research in physics. The Institute of Physics is the largest of the institutes of the Czech Academy of Sciences with more than 1300 employees, including a considerable number of international workers. The ambition of the Institute of Physics is to push forward the boundaries of knowledge and to conduct first-rate research in the fields of elementary particles, condensed systems and solid particles, optics, plasma physics and laser physics.

Analytical Techniques Research Group Prague, Czech Republic invites applications for the position of the

Researcher for analysis of various material surfaces

The successful candidate (m/f) will become a part of an internationally recognized Analytical Techniques Research Group. He/she will participate in the analysis of materials using X-ray photoelectron spectroscopy.

What you will do

- Perform analysis of various material surfaces using XPS method
- Designing experiments and sample preparation
- Evaluation of acquired data and their processing (Excel, Origin, etc)
- Collaboration on the preparation of scientific publications
- Other activities according to the current focus of research at FZU

What we do

<https://www.fzu.cz/en/research/divisions-and-departments/division-3/department-36>

<https://www.fzu.cz/en/research/divisions-and-departments/division-3/department-36/group-3604>

Required qualifications

- Ph.D. degree/Ph.D. student in physics, material science or chemistry, biology
- Ability to interpret the results in terms of characterization of the surface of the studied samples
- Ability to process data and prepare it for output/publication
- Willingness to cooperate in a wide range of topics (according to the current focus of research at FZU)
- Ability to work quickly with new software and devices is an advantage (KolXPD, CasaXPS, etc.)
- Experimental dexterity

- Communicativeness
- Advanced English, written and spoken

Beneficial qualifications

- Familiarity with the operating system MS Windows
- Systematic approach to problem-solving
- Ability to work independently as well as a team worker
- Ability to write a scientific text
- Good presentation skills
- Good time management

Benefits

- Working in an international and creative environment
- Unique research facilities
- Training and development possibilities (seminars, workshops, conferences, high-quality language courses, soft skills training)
- Support of your work-life balance – flexible work hours, work from home, extended vacations
- In-house tennis / volleyball court, table tennis
- And more benefits such as Multisport card, meal allowance, kindergarten operated by the ASCR

Terms of employment

- The position is suitable for students
- Start of employment as soon as possible, depending on the availability of the applicant.
- 1-year contract with possible extension, full-time (part-time negotiable)

Application procedure

Please send your CV (1-2 pages PDF), motivation letter (1-page A4 PDF), and any publication record to the email address below.

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Email: monika.svobodova@fzu.cz

Information regarding the personal data processing and access to the personal data at the Institute of Physics of the Czech Academy of Sciences:

<https://www.fzu.cz/en/about-fzu/official-noticeboard/processing-of-personal-data>