Applications are invited for the position of an experienced researcher in the field of X-ray and UV photoelectron spectroscopy at the Institute of Physics, Polish Academy of Sciences (IP PAS), at the X-Ray and Electron Microscopy Research Laboratory within the Group of X-ray Spectroscopy and Microanalysis. The modern high resolution X-ray and UV photoelectron spectrometer based on VG Scienta R3000 XPS/UPS/ARPES analyzer will be installed at the end of 2014 in this laboratory. The successful applicant is expected to join the currently running research projects and use this new spectrometer to characterize variety of innovative materials. It is assumed that she/he would design an extension of these research tools and introduce protocols for elemental and chemical characterization of studied materials.

We are looking for active researcher with track-record of research achievements in photoelectron spectroscopy. Expertise in applying photoelectron spectroscopy for studies of element’s chemical bonding in bulk materials (e.g. single crystals, polycrystalline, sintered materials), layered materials, powders and films is required. An experience in performing depth profiles is particularly welcomed. She/he is expected to perform a high quality research based on photoelectron spectroscopy and to be able to organize an international group for a joint research, and to submit a project to the Horizon 2020 program or other external financing programs.

During the preparatory phase for spectrometer installation she/he will participate in research program of the group and deliver lectures and seminars for the staff and PhD students of IF PAN to customize them with the possible studies applying photoelectron spectroscopy. Therefore, the candidate is expected to be open to share his/her own knowledge with colleagues and to build the research network around this spectrometer in IF PAN and beyond.

The XPS spectroscopy will be used for studying the structural, electronic, and chemical properties of surfaces and interfaces of nanostructures, to find applications in different fields such as thin-film growth, catalysis and many other domains of material science. The group has an experience in exploiting the synchrotron radiation techniques for advanced characterization of studied objects. The group collaborates with several European synchrotron facilities. Additional funds are allocated in the project for performing synchrotron studies using photoelectron spectroscopy and other techniques.

**Additional job details:**

Salary: The salary is 4000 euros per month (about 2500 euros after all taxes, including the national Polish health and social security deduction). This position is financed within the EU Research FP7-REGPOT.

Duration: May 2016.
Type of contract: temporary
Status: full-time
Hours per week: 40

**How to apply:**

The application should be submitted by the post to the address:

Human Resources (EAgLE jobs)
Institute of Physics Polish Academy of Sciences,
Al. Lotników 32/46, 02-668, Warsaw, Poland.

Please refer to the name of the position concerned in your application.

Application should include a letter of application; a CV; summary of merits and highest achievements in research (max 2 pages); list of publications in which the 10 most significant publications highlighted; as well as indicates two scientists who may be asked for reference.

The copy please send (in pdf format) via e-mail to: jablo@ifpan.edu.pl, cc: eagle_jobs@ifpan.edu.pl

**Envisaged job starting date:** The starting date for the position is 1st October 2014.

**Application deadline:** The deadline for applications is September 15, 2014.