

The Institute of Experimental and Applied Physics (IEAP) is a scientific-academic unit of the Czech Technical University in Prague focused on the Physics of the Microworld and its applications. The Department of Applied Physics and Technology (DAPT) currently has a vacancy for a:

Senior Research Scientist (f/m) - X-RAY IMAGING

At the instrumental level, the activity of the Institute concentrates on development of detection and spectrometric systems and methods for new hybrid pixel detectors and applications such as 2D and 3D high-resolution imaging at the micro and nano scale. The application areas vary from material sciences through cultural heritage to preclinical research.

Working within the DAPT group in the field of X-ray radiography and tomography you will work on:

- Operation of equipment in X-ray laboratory on day-to-day basis, micro-CT measurements
- Managing existing imaging instruments and technical upgrades
- Development of new imaging systems
- Development of new evaluation and correction algorithms for acquired data
- Development of long term processing and scanning protocols for given sample types
- Promoting scientific results achieved at DAPT (conferences / presentations / scientific articles)

Requirements:

- Ph.D. in physics or technical field
- Ability to work independently and the desire to learn new things
- Written and oral communication skills in English
- Experience in writing grant applications is welcome
- Candidates with experience in X-ray instrumentation or adequate computational (mathematical) methods will be favoured.
- Knowledge of Matlab, Python, C++ is desirable.

We offer:

- Full time job
- Possibility of long term contract
- Participation on interesting research grants together with experienced IEAP team
- Competitive salary and 6 weeks of vacation
- Friendly team