



Břehová 7 115 19 Praha 1

**Applications for Admission to PhD Programmes
Academic Year 2015/2016 - Summer Semester**

as announced by the Dean of the Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague

- **Mathematical Engineering** 4-year programme focused on mathematical modelling, mathematical physics, software engineering, information technology, quantum information & communication and applied mathematical-stochastic methods.
- **Physical Engineering** 4-year programme focused on quantum electronics, laser technology, optical spectroscopy of solids, optoelectronics, non-linear and diffraction optics, application of ion beams, computer physics, plasma physics, X-ray optics and tomography, information technologies, physics of semiconductors and dielectrics, applied photonics, X-ray and neutron diffraction, mathematical methods in crystallography, research in stress and strain fields, study of degradation processes in solids and their computer modelling, fracture mechanics, fractography and image analysis, lifetime and reliability of systems.
- **Nuclear Engineering** 4-year programme focused on reactor physics (theoretical, experimental, as well as reactor core physics), nuclear safety, applied nuclear physics, nuclear power engineering (including radioactive waste management) and its influence on the environment, experimental nuclear physics, high energy physics, physics of relativistic heavy ions, dosimetry of ionizing radiation, application of ionizing radiation, nuclear methods in the environment and radiation physics.
- **Nuclear Chemistry** 4-year programme focused on radiochemistry; nuclear methods in analysis, in chemical research, in research into and protection of the environment; on radiopharmaceutical chemistry, separation chemistry and on the study and use of radiation chemical processes in science, research, and practice.
- **Radiological Physics** 4-year programme focused on radiodiagnostic, radiotherapy, nuclear medicine, radiobiology, microdosimetry, use of the Monte Carlo method in medical applications and radiation protection.

Full-time study to take four years, part-time study five years. Commencement of study: 1st March, 2016.

To be considered for admission, the applicant should have successfully completed a master's programme in one of the subjects above, or in a related subject. The applicant must satisfy conditions given by the Higher Education Act N. 111/68 Coll. and demonstrate a mastery of MSc level mathematics, physics or chemistry (as appropriate) and that of the intended field of study. Foreign students seeking admission to a programme offered in the Czech language are also required to submit a validated certificate indicating their Czech language competence (level B2 or higher, according to the Common European Frame of Reference for Languages), or pass an examination at a corresponding level. For further requirements and for application forms see www.fjfi.cvut.cz (navigation: Studium – Doktorské studium); for instructions on validating degrees awarded by foreign universities see www.cvut.cz (navigation: Odborná veřejnost – Uznávání zahraničního vzdělávání, or, in English: Public – Validation).

Filled-in application form together with CV, a brief personal statement, details of professional experience (if applicable), and copies of certificates of academic qualification (foreign certificates must be validated) is to be sent no later than 22nd December 2015 to:

ČVUT- FJFI, odd. VVČ
Břehová 7, 115 19 Praha 1

Contact person: Ms. Zábranská, tel.: 224 358 286, e-mail: zabranska@fjfi.cvut.cz

Application forms are available at the website above or at the Department of Science and Research (VVČ), Břehová 7, Praha 1.