



The International Association for the Exchange of Students for Technical Experience

IAESTE National Committee of the Czech Republic

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COMPANY OFFERING EXPERIENCE - Form "O"

Company information

Ref. No: CZ-2015-010048

Employer:	Institute of Experimental and Applied Physics	Working place:	Prague
Address:	Horska 3a/22 128 00, Praha 2	Nearest internat. airport:	Prague
Business or product:	Research	Nearest public transport:	Prague public transport
Official responsible:		Number of employees:	80
Phone number:		Working hours per week:	40.0
Fax:		Daily working hours:	8.0
E-mail:			

Student required

Faculty:	Electrical Engineering Physics	Language required for training:	English excellent
Specialisation:	Electronics Instrumentation Medical Physics Statistical Physics	Other requirements:	Experimental skills for testing of semiconductor detectors as diodes (IV characteristics, work with oscilloscope), Math - statistics, Matlab (optional), Computer skills for simple data processing Programming in Python, Java, C++ (optional)
Study level:	middle (4-6 semesters) / end (7 and more semesters)		
Previous training:	No		

Work offered

Kind of work:	The purpose of the practice is to offer students extensive training opportunities focused on the development and testing of instrumentation based on advanced technologies for measuring the composition and spectral characteristics of mixed radiation fields and for the X-ray, neutron and particle imaging. We focus on the technology based on the solid state pixel detectors. The training program addresses the potential use of these detectors with the following main objectives: The characterization of the radiation fields (including neutrons) around a wide range of particle accelerators (electron, proton and ion machines) and in space.	Category:	Research and development
		Number of weeks offered:	min. 6 max. 28
		Within period:	from 01.05.2015 to 31.12.2015
		Work closed:	from 01.07.2015 to 31.08.2015
		Gross pay:	12500 CZK per month
		Max. deduction to be expected:	0

Accommodation

Lodging will be arranged by:	IAESTE	Estimated cost of lodging:	3500 CZK per month
Canteen facilities available at work:	Yes	Estimated cost of living incl. lodging:	7000 CZK per month

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NUMBER OF HARD COPIES: 0

Date: 19.03.2015

On behalf of receiving country: Václav Pavlík

Deadline for nomination: 30.04.2015