

Summer Internships in IFIN-HH

Our offer for 2017



Curr. num.	Department/ Field of activity	Contact person/ Practice supervisor	Speciality profile of student	Activities/ Subjects offered during practice period	Number of students
1	DFVM/Environmental Physics	Dr. Anca MELINTESCU Phone: 0214042300 ext.5819 (direct: 0214042359) E-mail: ancameli@nipne.ro	Environmental physics Nuclear physics Radioecology	Tritium dynamics into the environment: 1. Basics for tritium transfer modelling into the environment 2. Applications for routine and incidental emissions at Cernavoda NPP	1
2	DFVM/ Environmental Physics	Dr. Dan GALERIU Phone: 0214042300 ext.5819 (direct: 0214042359) E-mail: galdan@nipne.ro	Atmosphere physics Nuclear physics Meteorology	Nuclear meteorology: 1. Meteorological data and data processing in real-time (http://meteo.nipne.ro/~news) 2. Influence of Radon on ambient gamma dose	2
3	DFVM/Biophysics	Dr. Mihai RADU Phone: 0214042300 int.5824 (direct: 0214046223) Mobile: 0723397592 E-mail: mradu@nipne.ro	Biophysics Medical physics	1. Endothelial cell cultures 2. Fluorescence microscopy 3. Calcium ion imaging in endothelial cells	1
4	DFVM/ Radiobiology, Molecular biology, Nanotoxicology	Dr. Diana SAVU Phone: 0214042300 ext.5811 (direct: 0214046134) Mobile: 0747225348 E-mail: dsavu@nipne.ro	Medical engineering Medical biophysics Biology/Biochemistry	1. Cell cultures (neuronal type and tumoral) 2. Biocompatibility testing 3. Antitumoral compounds testing	1
5	DFVM/Biophysics	Dr. Mihaela BACALUM Phone: 0214042300 ext.5816 (direct: 0214046149) Mobile: 0724336732 E-mail: bmihaela@nipne.ro	Medical biophysics	1. Cultures of tumoral cell lines 2. <i>In vitro</i> testing of compounds with antitumoral effect (e.g. AMP)	2
6	DFVM/Biophysics	Drd. Bogdan ZORILĂ Phone: 0214042300 ext.5816 (direct: 0214046149) Mobile: 0728925696 E-mail: bzorila@nipne.ro	Medical biophysics	1. Interactions at cell membrane level 2. Applications of spectrophotometry, spectrofluorimetry and time-resolved fluorescence	1
7	DFVM/Environmental monitoring	Drd. Bogdan ZORILĂ Phone: 0214042300 ext.5816 (direct: 0214046149) Mobile: 0728925696 E-mail: bzorila@nipne.ro	Computational physics Technological physics Automatics and computers	1. Radiological monitoring of environment 2. Data acquisition and processing in near-real time mode (lag time approx. 10 min)	2
8	DFVM/Environmental monitoring	Drd. Bogdan ZORILĂ Tel: 0214042300 ext.5816 (direct: 0214046149)	Applied electronics Microelectronics Technological physics	1. Realization of experimental electronic modules 2. Microcontrollers programming 3. Interfacing electronic modules with PC	1

Department of Computational Physics and Information Technologies
ENGLISH

1	DFCTI / IT	Mihai Octavian Dima	Physics / Computer Science	Neutron noise analysis @ IBR-2M reactor	1
2	DFCTI / IT	Mihai Octavian Dima	Computer Science	Polymorphic software C++_17	2