

University Politehnica of Bucharest

Doctoral School: ELECTRICAL ENGINEERING

List of domains and specializations for doctoral studies

Supervisor	Domain	Specializations
ALBU Mihaela Marilena	Electrical engineering	Control in DC and hybrid [micro]grids; Wide Area Measurement systems including synchronized measurements; Smart metering technologies; Power Quality monitoring and control in emerging power networks.
CEPIȘCĂ Costin	Electrical engineering	Measurement Systems; Metrology; Power Quality.
CIUPRINA Florin	Electrical engineering	Electrical properties of materials; Modeling of electromagnetic phenomena in materials.
CONSTANTINESCU Florin	Electrical engineering	Circuit theory and design; Microelectromechanical systems; Power Systems.
CRĂCIUNESCU Aurelian	Electrical engineering	Electrical drives components and systems; Renewable electrical energy sources; Electric vehicles.
FIREȚEANU Virgiliu	Electrical engineering	Finite Element Analysis of Systems for Electro-mechanical and Electro-thermal Energy Conversion; Electromagnetic Processing of Materials; Computer Aided Optimal Design of Electrical Machines.
FLORICĂU Dan	Electrical engineering	Multilevel power converters; Power electronics for renewable sources; Power factor correction structures.
FLUERAȘU Cezar	Electrical engineering	Electrical engineering
FRANSUA Alexandru	Electrical engineering	Electrical engineering
DUMITRAN Laurențiu Marius	Electrical Engineering	Insulation systems for electrical equipment; Applied electrostatics; Modeling of electromagnetic phenomena.
GALAN Neculai	Electrical engineering	Mathematical models for AC electric machines; Micro-motors in electrical drive systems; Wind energy conversion.
GAVRILĂ Doina Elena	Electrical	Use of thermal methods of analysis in the study

	engineering	of the behaviour of polymeric insulating materials; Influence of environmental factors on the characteristics of solid insulating materials; Studies on the limits and operating parameters of high temperature superconducting materials (HTS) used in superconducting generators.
GAVRILĂ Horia	Electrical engineering	Magnetic materials; Magnetic recording; Magnetic sensors.
GHIȚĂ Constantin	Electrical engineering	Electrical Machines and Transformers; Electrical Drives; Renewable Power Sources and Energy Conversion.
GOLOVANOV Carmen	Electrical engineering	Electrical engineering
GRIGORESCU Sorin Dan	Electrical engineering	Measurement and computer aided instrumentation; Power quality; Distributed measurement systems.
HĂNȚILĂ Ioan Florea	Electrical engineering	Electromagnetic field computation; Nonlinear circuit analysis.
IOAN Constanțiu Daniel	Electrical engineering	Computational electromagnetics, Modeling, Simulation and Optimization of Bio- and Multi-Physics Systems; nano Electronic Design Automation – TCAD tools; High Performance Scientific Computing.
IONESCU Florin	Electrical engineering	Protection of Power Semiconductor Devices; Power supplies and static power converters; Electrical systems and light sources with LEDs.
IONIȚĂ Valentin	Electrical engineering	Electromagnetic design and optimization; Electromagnets, sensors, actuators and other applications of technical magnetism; Magnetic materials – measurement, modelling and design.
IORDACHE Mihai	Electrical engineering	Electric analog circuit theory and design; Electromagnetic energy wireless transfer; Simulation, parameter identification , and optimization electromagnetic systems; Coupled oscillator analysis.
KREINDLER Liviu Mario	Electrical engineering	Digital control of electric machines ; DSP controllers in electric drives; Motion Control.
MANEA Florin	Electrical engineering	Electrical engineering

MARINOV Corneliu	Electrical engineering	Electrical engineering
MĂGUREANU Răzvan	Electrical engineering	Implementation of Renewable Energies in Smartgrids Power Qualities in MicroGrids
MOREGA Alexandru Mihail	Electrical engineering	Multiphysics processes and interactions, energy conversion and sources; Problems of Biomedical Engineering and Medical Physics; Structural optimization.
MOREGA Mihaela	Electrical Engineering	Bioelectromagnetism; Electrical engineering for medical applications.
NĂVRĂPESCU Valentin	Electrical engineering	Machines and Electric Drives; Programmable Logic Controllers; Digital Control of Electric Drives; Energy and Power quality; Renewable Energy Sources.
NEMOIANU Constantin	Electrical engineering	Electrical engineering
NOȚINGHER Petru	Electrical engineering	Materials for electrotechnics; Insulation Systems; Monitoring and diagnosis of electrical equipment condition.
PANAITE Valerie	Electrical engineering	Electrical engineering
PANTELIMON Brândușa	Electrical engineering	Electrical engineering
PAVELESCU Dan Alexandru	Electrical engineering	Power Apparatus and electrical systems using high vacuum; Electrical discharges in high vacuum and applications; High Voltage D.C. Electrical Distribution Networks (HVDC).
POPESCU Mihai Octavian	Electrical engineering	Switching phenomena; Quality, diagnose and EMC; Renewable energy sources.
RĂDUȚI Constantin	Electrical engineering	Electrical engineering
SPINEI Fănică	Electrical engineering	Electrical engineering
TOMESCU Florin	Electrical engineering	Electrical engineering
ȚUGULEA Andrei	Electrical engineering	Electrical engineering