

Doctoral Supervisors in Electrical Engineering

Supervisor	Research areas
Prof. Mihaela-Marilena ALBU	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.
Prof. Emil CAZACU	Design and optimization of electromagnetic equipment; Power quality and energy efficiency studies in modern electric installations; Magnetic materials applications in electromagnetic systems.
Prof. Costin CEPIȘCĂ	Measurement Systems; Metrology; Power Quality.
Prof. CIUPRINA Florin	Electrical properties of materials; Modeling of electromagnetic phenomena in materials.
Prof. CIUPRINA Gabriela	Computational electromagnetics, Modeling, Simulation and Optimization of Multi-Physics Systems; Electronic Design Automation software tools; High-Performance Scientific Computing.
Prof. Florin CONSTANTINESCU	Circuit theory and design; Microelectromechanical systems; Power Systems.
Prof. Aurelian CRĂCIUNESCU	Electrical drives components and systems; Renewable electrical energy sources; Electric vehicles.
As. Prof. Ioan-Dragoș DEACONU	Machines and Electric Drives; Programmable Logic Controllers & Building Management Systems; Electric Mobility, Self Driving Vehicles & Driver Assistance Systems; Energy and Power Quality.

Prof. Virgiliu FIREȚEANU	Finite Element Analysis of Systems for Electro-mechanical and Electro-thermal Energy Conversion; Electromagnetic Processing of Materials; Computer-Aided Optimal Design of Electrical Machines.
Prof. Dan FLORICĂU	Multilevel power converters; Power electronics for renewable sources; Power factor correction structures.
Prof. Laurențiu-Marius DUMITRAN	Insulation systems for electrical equipment; Applied electrostatics; Modeling of electromagnetic phenomena.
Prof. Neculai GALAN	Mathematical models for AC electric machines; Micro-motors in electrical drive systems; Wind energy conversion.
Prof. Doina-Elena GAVRILĂ	Use of thermal methods of analysis in the study of the behavior 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.
Prof. Constantin GHIȚĂ	Electrical Machines and Transformers; Electrical Drives; Renewable Power Sources and Energy Conversion.
Prof. Sorin-Dan GRIGORESCU	Measurement and computer-aided instrumentation; Power quality; Distributed measurement systems.
Prof. Ioan-Florea HĂNȚILĂ	Electromagnetic field computation; Nonlinear circuit analysis.
Prof. Constanțiu-Daniel IOAN	Computational electromagnetics, Modeling, Simulation and Optimization of Bio- and Multi-Physics Systems; nano Electronic Design Automation – TCAD tools; High-Performance Scientific Computing.
Prof. IONESCU Florin	Protection of Power Semiconductor Devices; Power supplies and static power converters; Electrical systems and light sources with LEDs.
Prof. Valentin IONIȚĂ	Electromagnetic Design and optimization; Electromagnets, sensors, actuators, and other applications of technical magnetism; Magnetic materials – measurement, modeling, and design.
Prof. Mihai IORDACHE	Electric analog circuit theory and design; Electromagnetic energy wireless transfer;

	Simulation, parameter identification, and optimization electromagnetic systems; Coupled oscillator analysis.
Prof. Alexandru-Mihail MOREGA	Electromagnetic fields, heat and mass transfer; Energy conversion and sources; Biomedical Engineering, Medical Physics; Structural optimization.
Prof. Mihaela MOREGA	Bioelectromagnetism; Electrical engineering for medical applications.
Prof. Valentin NĂVRĂPESCU	Machines and Electric Drives; Programmable Logic Controllers; Digital Control of Electric Drives; Energy and Power quality; Renewable Energy Sources.
Prof. Petru NOȚINGHER	Materials for electrotechnics; Insulation Systems; Monitoring and diagnosis of electrical equipment condition.
Prof. Mihai-Octavian POPESCU	Switching phenomena; Quality, diagnosis, and EMC; Renewable energy sources.
Prof. George-Călin SERIȚAN	Methods and tools to identify and predict the power quality parameters; Bio-medical instrumentation and measurements; Modern monitoring and optimization systems; Modern technologies for electrical equipment.
Prof. Cezar FLUERAȘU *)	Electrical engineering
Prof. Alexandru FRANSUA *)	Electrical engineering
Prof. Horia GAVRILĂ *)	Magnetic materials; Magnetic recording; Magnetic sensors.
Prof. Carmen GOLOVANOV *) Prof. Liviu-Mario KREINDLER *)	Electrical engineering Digital control of electric machines; DSP controllers in electric drives; Motion Control.
Prof. Florin MANEA *)	Electrical engineering
Prof. Corneliu MARINOV *)	Electrical engineering
Prof. Răzvan MĂGUREANU *)	Implementation of Renewable Energies in Smartgrids

	Power Qualities in MicroGrids
Prof. Constantin NEMOIANU *)	Electrical engineering
Prof. Valerie PANAITTE *)	Electrical engineering
Prof. Brândușa PANTELIMON *)	Electrical engineering
Prof. Dan-Alexandru PAVELESCU *)	Power Apparatus and electrical systems using high vacuum; Electrical discharges in high vacuum and applications; High Voltage D.C. Electrical Distribution Networks (HVDC).
Prof. Constantin RĂDUȚI *)	Electrical engineering
Prof. Fănică SPINEI *)	Electrical engineering
Prof. Florin TOMESCU *)	Electrical engineering

*) Associate doctoral supervisor