

DOCTORAL PROGRAM
LIST OF PERSONS AUTHORIZED TO SUPERVISE THE INDIVIDUAL SCIENTIFIC WORK

Title and name	Area of expertise
Department of Control Engineering and Electronics	
prof. Jakub Dawidziuk j.dawidziuk@pb.edu.pl	<ul style="list-style-type: none"> • power electronics • construction of energy converters • high power converters in renewable energy systems • efficiency of hard and soft switching inverters
prof. Tadeusz Kaczorek t.kaczorek@pb.edu.pl	<ul style="list-style-type: none"> • theory of control and systems • fractional positive continuous-time linear systems • fractional discrete-time linear systems • singular fractional linear systems and electrical circuits
prof. Mirosław Świercz m.swiercz@pb.edu.pl	<ul style="list-style-type: none"> • control engineering • biocybernetics and biomedical engineering • artificial intelligence • fault detection in control systems
Department of Theoretical Electrotechnics and Metrology	
Bogusław Butryło, D.Sc., Ph.D. b.butrylo@pb.edu.pl	<ul style="list-style-type: none"> • electromagnetic fields • broadband analysis of electromagnetic phenomena • modelling of composite, high frequency structures • parallel modelling of electromagnetic and thermal fields
prof. Jerzy Gołębiowski j.golebiowski@pb.edu.pl	<ul style="list-style-type: none"> • theory of electrical engineering (circuit theory, electromagnetic and thermal field theory)
Department of Power Electronics and Electric Drives	
prof. Tadeusz Citko (on leave) t.citko@pb.edu.pl	<ul style="list-style-type: none"> • power electronics • electric drives • energy converters • power converters for renewable energy systems
prof. Marian Roch Dubowski m.dubowski@pb.edu.pl	<ul style="list-style-type: none"> • power electronics • electric drives • speed control systems • state estimation of electromechanical systems
prof. Andrzej Sikorski a.sikorski@pb.edu.pl	<ul style="list-style-type: none"> • power electronics • power converters • advanced power control methods and algorithms • power converters for renewable energy systems
Adam Sołbut, D.Sc., Ph.D. a.solbut@pb.edu.pl	<ul style="list-style-type: none"> • electric drives • electric machines • electric drive modelling • modelling of damages of electric machines

Department of Electrical Power Engineering, Photonics and Lighting Technology	
prof. Jan Dorosz doroszjan@pb.edu.pl	<ul style="list-style-type: none"> • optoelectronics • materials engineering • technology of optical fibres
Irena Fryc, D.Sc., Ph.D. i.fryc@pb.edu.pl	<ul style="list-style-type: none"> • optoelectronics • lighting engineering • metrology of optical radiation • optical metrology
prof. Andrzej Stanisław Zając a.zajac@pb.edu.pl	<ul style="list-style-type: none"> • optoelectronics • quantum electronics • technology and application of optical fibres
prof. Maciej Zajkowski m.zajkowski@pb.edu.pl	<ul style="list-style-type: none"> • optoelectronics • lighting engineering • technology of optical fibres • solar energy • energy efficiency
Department of Telecommunications and Electronic Equipment	
prof. Karol Aniserowicz k.aniserowicz@pb.edu.pl	<ul style="list-style-type: none"> • theory of electromagnetic field • electromagnetic compatibility • lighting protection systems
prof. Giennadij Czawka (on leave) ggc@pb.edu.pl	<ul style="list-style-type: none"> • radiocommunication • designing of radioelectronic systems • antenna arrays • broadband amplifiers
prof. Jurij Griszin j.griszin@pb.edu.pl	<ul style="list-style-type: none"> • statistical theory of communications • signal theory • radionavigation • radiolocation
Renata Markowska, D.Sc., Ph.D. r.markowska@pb.edu.pl	<ul style="list-style-type: none"> • electromagnetic compatibility • lightning and overvoltage protection • analysis of impulse electromagnetic disturbances • analysis and propagation of overvoltages
Ewa Świercz, D.Sc., Ph.D. e.swiercz@pb.edu.pl	<ul style="list-style-type: none"> • advanced methods of digital signal processing • digital processing of radar signals • automatic signal detection and classification