



Doctoral School of
Industrial Engineering and Robotics

Doctoral Scientific Areas

Doctoral field (DF):
Industrial Engineering (IE); Mechanical Engineering (ME); Engineering and Management(EMg)

No.	PhD Supervisor	Email	Department	DF	Scientific Areas
1.	Prof.dr.eng. AMZA Cătălin Gheorghe	catalin.amza@upb.ro	ICTI	IE	<ul style="list-style-type: none"> Additive manufacturing Industry 4.0 technologies Industrial image processing Quality inspection of industrial products Virtual and augmented reality for industrial applications
2.	Prof.dr.eng. ANTONESCU Păun	panton38@hotmail.com	TMR	IE	<ul style="list-style-type: none"> Topological structure of mechanisms and manipulators Kinematics and dynamics of mechanisms and machines Serial and parallel industrial robots
3.	Assoc.prof.dr.eng. BABIȘ Claudiu	claudiu.babis@upb.ro claudiubab8@gmail.com	ICTI	IE	<ul style="list-style-type: none"> Fatigue of the welded structures Welding Processes and Control Manufacturing processes and Systems Occupational health and safety management
4.	Assoc.prof.dr.eng. BĂILĂ Diana Irinel	baila_d@yahoo.com; diana.baila@upb.ro	TCM	IE	<ul style="list-style-type: none"> Additive Manufacturing Manufacturing Processes and Systems Materials Processing and Coatings
5.	Prof.dr.eng. BENDIC Vasile	vasilebendic@yahoo.com	RSP	IE	<ul style="list-style-type: none"> Management and systems engineering Manufacturing processes and systems Product development
6.	Prof.dr.eng. CĂNĂNĂU Sorin	s_cananau@yahoo.com	OMT	IE	<ul style="list-style-type: none"> Mechanical transmissions with gears Tribology FEM analysis of mechanical structures
7.	Prof.dr.eng. CHIVU Oana Roxana	oana.chivu@upb.ro	ICTI	IE	<ul style="list-style-type: none"> Occupational health and safety management Manufacturing processes and Systems Quality management



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8.	Assoc.prof.dr.eng. CICIC Dumitru - Titi	dumitru.cicic@upb.ro dumitru.cicic@gmail.com	ICTI	IE	<ul style="list-style-type: none"> Welding and welding-related processes Inspection and quality control of industrial products Quality Engineering and Management
9.	Prof.dr.eng. CÎRȚÎNĂ Liviu Marius	cirtinaliviu@gmail.com	U.C.B.Tg. Jiu	IE	<ul style="list-style-type: none"> Product Development and Processes Quality Manufacturing Processes and Systems Quality Management
10.	Prof.dr.eng. CONSTANTIN George	george.constantin@icmas.eu	RSP	IE	<ul style="list-style-type: none"> Advanced manufacturing systems Manufacturing processes Advanced modeling, simulation and optimization techniques
11.	Prof.dr.eng. COTEȚ Costel Emil	costelemilcotet@gmail.com	RSP	IE	<ul style="list-style-type: none"> Smart manufacturing Digital twinning in industrial engineering Product Lifecycle Management
12.	Prof.dr.eng.ec. DOICIN Cristian	cristian.doicin@upb.ro	TCM	IE	<ul style="list-style-type: none"> Product Design and Development Additive Manufacturing Applied Informatics Manufacturing Processes and Systems Engineering Economics and Management
13.	Prof.dr.eng. DRĂGĂNESCU Florian	florian.draganescu@yahoo.com	TCM	IE	<ul style="list-style-type: none"> Product Development Manufacturing Processes and Systems Machining and Machinability
14.	Prof.dr.eng. GHEORGHE Marian	marian.gheorghe@upb.ro	TCM	IE	<ul style="list-style-type: none"> Integrative Processes, Systems and Technology Product Development Machinability, Machining, Control, Assembly Manufacturing, Production Recycling and Sustainability



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15.	Prof.dr.eng. GHICULESCU Liviu Daniel	liviudanielghiculescu@yahoo.com	TCM	IE	<ul style="list-style-type: none"> Nonconventional Technologies and Specific Technological Systems Micro and Nanotechnologies Strategic and Quality Management, Innovation and Technological Transfer
16.	Assoc.Prof.dr.ing. GHINEA Mihalache	mihalache.ghinea@upb.ro ghinea2003@yahoo.com	RSP	IE	<ul style="list-style-type: none"> Manufacturing systems and FMS; Experimental research and data processing; Industry 4.0 (IIoT, Virtual Reality and Digital Control); AI in Industry (Predictive Maintenance)
17.	Prof.dr.eng. IONESCU Nicolae	ionescu_upb@yahoo.com nicolae.ionescu@upb.ro	TCM	IE	<ul style="list-style-type: none"> Nonconventional Machining Processes and Systems Manufacturing Processes and Systems Product Development Creativity and Intellectual Property
18.	Prof.dr.eng.ec. MILITARU Constantin	prof_militaru@yahoo.com	TCM	IE	<ul style="list-style-type: none"> Quality Engineering and Management Product and Processes Quality Quality Management Systems
19.	Prof.dr.eng. MOHORA Cristina	cristinamohora@yahoo.com cristina.mohora@upb.ro	RSP	IE	<ul style="list-style-type: none"> Manufacturing Processes and Systems Machine dynamics and vibration Equipments for rehabilitation therapies Products sustainable development
20.	Assoc.prof.dr.eng. NICOLAU Ana-Maria	avr_ana@yahoo.com ana.avramescu@upb.ro	GIDI	IE	<ul style="list-style-type: none"> Innovation for Industrial Processes and Product Development; Sustainable Design: Bio-sources Materials and Environmental Protection; Design for Circular Economy, Product Design: Human Factor and Sensory Design, Emerging Technologies in Design, Branding and Visual Identity Design.



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21.	Prof.dr.eng. NIȚOI Dan	nitoidan@yahoo.com	ICTI	IE	<ul style="list-style-type: none"> • Ultrasonics. Applications in engineering and medicine • Modelling and simulation • Materials Technology. Smart materials • Sustainable development and eco-technologies
22.	Prof.dr.eng. OPRAN Constantin Gheorghe	constantin.opran@upb.ro	TCM	IE	<ul style="list-style-type: none"> • Engineering of Composites Products • Engineering of Polymeric Products • Intelligent manufacturing of advanced materials products
23.	Prof.dr.eng. PASCU Elisabeta – Nicoleta	nicoletaelisabeta_pascu@yahoo.ro	RSP	IE	<ul style="list-style-type: none"> • Industry 4.0; • Industrial Design • Computer Aided Design
24.	Prof.dr.eng. PUPĂZĂ Cristina	cristinapupaza@yahoo.co.uk	RSP	IE	<ul style="list-style-type: none"> • Advanced Computer Aided Engineering; • Industry 4.0; • Machine learning & Reinforcement learning.
25.	Prof.dr.eng. RECE Laurențiu	laurentiu.rece@utcb.ro; recelaurentiu@gmail.com	UTCB-TM	IE	<ul style="list-style-type: none"> • Development of numerical control systems. • Development of innovative products. • Modern industrialization of innovative products.
26.	Prof.dr.eng. RONTESCU Corneliu	corneliu.rontescu@upb.ro	ICTI	IE	<ul style="list-style-type: none"> • Welding Processes and Control • Manufacturing processes and Systems • Quality Engineering and Management
27.	Prof.dr.eng. SEVERIN Irina	irina.severin@upb.ro	ICTI	IE	<ul style="list-style-type: none"> • Advanced Composite Systems • Integrated Management Systems • Excellence & Sustainability • Quality Engineering & Management
28.	Prof.dr.eng. SIMION Ionel	ionel.simion@gmail.com	GIDI	IE	<ul style="list-style-type: none"> • Industrial Design • Computer Aided Design • Computer Graphics
29.	Prof.dr.eng. SIMIONESCU Ion	simionescu2@gmail.com	TMR	IE	<ul style="list-style-type: none"> • Optimum Design of Industrial Robots • Mechanisms and Machineries Design • Optimal Synthesis of Mechanisms



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30.	Prof.dr.eng. STURZU Aurel	narcisa.valter@yahoo.com	TCM	IE	<ul style="list-style-type: none"> Geometric Control Process and Devices Geometric Control Systems Manufacturing Processes and Systems
31.	Prof.dr.eng. TOPALA Pavel	pavel.topala@gmail.com	TCM	IE	<ul style="list-style-type: none"> Nonconventional Technologies and Specific Technological Systems Micro and Nanotechnologies Product Development
32.	Assoc.prof.dr.eng.ec. ULMEANU Mihaela-Elena	mihaela.ulmeanu@upb.ro	TCM	IE	<ul style="list-style-type: none"> Additive Manufacturing Sustainable Product Design and Manufacturing Technical Functional Analysis Computer Aided Design and Optimisation Medical Engineering and Healthcare Design Innovation and Entrepreneurship in Engineering Educational Management Systems
33.	Prof.dr.eng. VELICU Ștefan	velstefan@hotmail.com	RSP	IE	<ul style="list-style-type: none"> Manufacturing Systems Materials Processing Industrial Logistics
34.	Prof.dr.eng. VOICULESCU Ionelia	ioneliav@yahoo.co.uk	ICTI	IE	<ul style="list-style-type: none"> Materials Science, Processing and Testing Welding and Brazing Processes Heat Treatments
35.	Prof.dr.eng. ZAPCIU Miron	miron.zapciu@upb.ro	RSP	IE	<ul style="list-style-type: none"> Machine dynamics and vibrations Process control in industry Robotics and Manufacturing Systems
36.	Prof.dr.eng. CONSTANTINESCU Dan Mihai	dan.constantinescu@upb.ro	RM	ME	<ul style="list-style-type: none"> Fracture mechanics and fatigue Interface damage, cohesive fracture and failure Mechanical behaviour of composites/nanocomposites, foams, and ceramics under static and dynamic loadings Design and fabrication of mechanical metamaterials



No.	PhD Supervisor	Email	Department	DF	Scientific Areas
37.	Prof.dr.eng. HADĂR Anton	antonhadar@yahoo.com , anton.hadar@upb.ro	RM	ME	<ul style="list-style-type: none"> Stress and strain optimization for mechanical structures statically or dynamically loaded; Mechanical structures based on composite materials.
38.	Prof.dr.eng. JIGA Gheorghe Gabriel	gabijiga@yahoo.com	RM	ME	<ul style="list-style-type: none"> Layered composite structures; Experimental stress analysis; Sandwich structures; Impact on composite structures.
39.	Prof.dr.eng. OLARU Adrian	aolaru_51@ymail.com	RSP	ME	<ul style="list-style-type: none"> Assisted research of the Robot's dynamics Modelling and simulation with LabVIEW Software platform for the assisted research of the Forward kinematics and Inverse dynamics of robots Controlling and automation manufacturing systems Neural Networks solving the Inverse kinematics in Robotics Humanoid robots
40.	Prof.dr.eng. POPESCU Diana	diana.popescu@upb.ro dian_popescu@yahoo.com	RSP	ME	<ul style="list-style-type: none"> Assembly/disassembly process modeling Additive Manufacturing Industrial robots
41.	Prof.dr.eng. CĂRUȚAȘU George	carutasu.george@gmail.com	U. Rom. American. Fac. Inform. for Bus. Management	EMg	<ul style="list-style-type: none"> Enterprise Resource Planning Business Software Applications Virtualization and Cloud Computing Management
42.	Prof.dr.eng. CĂRUȚAȘU Nicoleta Luminița	nicoletacarutasu@yahoo.com	RSP	EMg	<ul style="list-style-type: none"> Occupational Health and Safety Management; Logistics



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43.	Prof.dr.eng. IOANA Adrian	adyioana@gmail.com	IE-SIM	EMg	<ul style="list-style-type: none"> • Quality management in the metal materials industry • Strategic management specific to industrial engineering • Optimal management of aggregates in the materials industry • Automation and robotization in the materials industry • Specific management of educational systems
44.	Prof.dr.eng. MARIN Alexandru	alexandru.marin@upb.ro	HMHIM – Energy Engineering	EMg	<ul style="list-style-type: none"> • Renewable energy and environmental protection • Fluid power and electro-hydraulic servosystems • Intellectual property rights protection & management and capitalization of intangible assets • Innovation and knowledge / technology transfer
45.	Prof.dr.eng.ec.mat. SEMENESCU Augustin	asemenescu2002@yahoo.com	IE-SIM	EMg	<ul style="list-style-type: none"> • Industrial Processes, Equipment and Management; • Modelling, Simulation and Innovation for Industrial Processes and Product Development; • Innovative Medical Devices and Materials; • Metallic Materials Producing and Processing; • Educational systems management
46.	Prof.dr.eng.dr.ec.dr. Habil. ȚÎȚU Aurel Mihail	mihail.titu@yahoo.com mihail.titu@ulbsibiu.ro	IIM-ULBS	EMg	<ul style="list-style-type: none"> • Engineering and quality management; • Intellectual property management, innovation and technology transfer; • Artificial intelligence in engineering and management; • KAIZEN systems and LEAN systems; • Experimental research and data processing; • Engineering and management of nonconventional technologies, Micro and Nanotechnologies.