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	• 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	• Topological structure of mechanisms and manipulators • Kinematics and dynamics of mechanisms and machines • Serial and parallel industrial robots
3.	Prof.dr.eng. BENDIC Vasile	vasilebendic@yahoo.com	RSP	IE	• Management and systems engineering • Manufacturing processes and systems • Product development
4.	Prof.dr.eng. CĂNĂNĂU Sorin	s_cananau@yahoo.com	OMT	IE	• Mechanical transmissions with gears • Tribology • FEM analysis of mechanical structures
5.	Prof.dr.eng. CHIVU Oana Roxana	oana.chivu@upb.ro	ICTI	IE	• Occupational health and safety management • Manufacturing processes and Systems • Quality management
6.	Prof.dr.eng. CÎRȚÎNĂ Liviu Marius	cirtinaliviu@gmail.com	U.C.B.Tg. Jiu	IE	• Product Development and Processes Quality • Manufacturing Processes and Systems • Quality Management
7.	Prof.dr.eng. CONSTANTIN George	george.constantin@icmas.eu	RSP	IE	• Advanced manufacturing systems • Manufacturing processes • Advanced modeling, simulation and optimization techniques

No.	PhD Supervisor	Email	Department	DF	Scientific Areas
8.	Prof.dr.eng. COTEȚ Costel Emil	costelemilcotet@gmail.com	RSP	IE	• Smart manufacturing • Digital twining in industrial engineering • Product Lifecycle Management
9.	Prof.dr.eng.ec. DOICIN Cristian	cristian.doicin@upb.ro	TCM	IE	• Product Design and Development • Additive Manufacturing • Applied Informatics • Manufacturing Processes and Systems • Engineering Economics and Management
10.	Prof.dr.eng. DRĂGĂNESCU Florian	florian.draganescu@yahoo.com	TCM	IE	• Product Development • Manufacturing Processes and Systems • Machining and Machinability
11.	Prof.dr.eng. GHEORGHE Marian	marian.gheorghe@upb.ro	TCM	IE	• Integrative Processes, Systems and Technology • Product Development • Machinability, Machining, Control, Assembly • Manufacturing, Production Recycling and Sustainability
12.	Prof.dr.eng. GHICULESCU Liviu Daniel	liviudanielghiculescu@yahoo.com	TCM	IE	• Nonconventional Technologies and Specific Technological Systems • Micro and Nanotechnologies • Strategic and Quality Management, Innovation and Technological Transfer
13.	Prof.dr.eng. IONESCU Nicolae	ionescu_upb@yahoo.com nicolae.ionescu@upb.ro	TCM	IE	• Nonconventional Machining Processes and Systems • Manufacturing Processes and Systems • Product Development • Creativity and Intellectual Property
14.	Prof.dr.eng.ec. MILITARU Constantin	prof_militaru@yahoo.com	TCM	IE	• Quality Engineering and Management • Product and Processes Quality • Quality Management Systems

No.	PhD Supervisor	Email	Department	DF	Scientific Areas
15.	Prof.dr.eng. MOHORA Cristina	cristinamohora@yahoo.com cristina.mohora@upb.ro	RSP	IE	• Manufacturing Processes and Systems • Machine dynamics and vibration • Equipments for rehabilitation therapies • Products sustainable development
16.	Prof.dr.eng. NIȚOI Dan	nitoidan@yahoo.com	ICTI	IE	• Ultrasonics. Applications in engineering and medicine • Modelling and simulation • Materials Technology. Smart materials • Sustainable development and eco-technologies
17.	Prof.dr.eng. OPRAN Constantin Gheorghe	constantin.opran@upb.ro	TCM	IE	• Engineering of Composites Products • Engineering of Polymeric Products • Intelligent manufacturing of advanced materials products
18.	Prof.dr.eng. PASCU Elisabeta – Nicoleta	nicoletaelisabeta_pascu@yahoo.ro	RSP	IE	• Industry 4.0; • Industrial Design • Computer Aided Design
19.	Prof.dr.eng. PUPĂZĂ Cristina	cristinapupaza@yahoo.co.uk	RSP	IE	• Advanced Computer Aided Engineering; • Industry 4.0; • Machine learning & Reinforcement learning.
20.	Prof.dr.eng. RECE Laurențiu	laurentiu.rece@utcb.ro; recelaurentiu@gmail.com	UTCB-TM	IE	• Development of numerical control systems. • Development of innovative products. • Modern industrialization of innovative products.
21.	Prof.dr.eng. RONTESCU Corneliu	corneliu.rontescu@upb.ro	ICTI	IE	• Welding Processes and Control • Manufacturing processes and Systems • Quality Engineering and Management
22.	Prof.dr.eng. SEVERIN Irina	irina.severin@upb.ro	ICTI	IE	• Advanced Composite Systems • Integrated Management Systems • Excellence & Sustainability • Quality Engineering & Management

No.	PhD Supervisor	Email	Department	DF	Scientific Areas
23.	Prof.dr.eng. SIMION Ionel	ionel.simion@gmail.com	GIDI	IE	• Industrial Design • Computer Aided Design • Computer Graphics
24.	Prof.dr.eng. SIMIONESCU Ion	simionescu2@gmail.com	TMR	IE	• Optimum Design of Industrial Robots • Mechanisms and Machineries Design • Optimal Synthesis of Mechanisms
25.	Prof.dr.eng. STURZU Aurel	narcisa.valter@yahoo.com	TCM	IE	• Geometric Control Process and Devices • Geometric Control Systems • Manufacturing Processes and Systems
26.	Prof.dr.eng. VELICU Ștefan	velstefan@hotmail.com	RSP	IE	• Manufacturing Systems • Materials Processing • Industrial Logistics
27.	Prof.dr.eng. VOICULESCU Ionelia	ioneliav@yahoo.co.uk	ICTI	IE	• Materials Science, Processing and Testing • Welding and Brazing Processes • Heat Treatments
28.	Prof.dr.eng. ZAPCIU Miron	miron.zapciu@upb.ro	RSP	IE	• Machine dynamics and vibrations • Process control in industry • Robotics and Manufacturing Systems
29.	Prof.dr.eng. CONSTANTINESCU Dan Mihai	dan.constantinescu@upb.ro	RM	ME	• 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
30.	Prof.dr.eng. HADĂR Anton	antonhadar@yahoo.com , anton.hadar@upb.ro	RM	ME	• Stress and strain optimization for mechanical structures statically or dynamically loaded; • Mechanical structures based on composite materials.
31.	Prof.dr.eng. JIGA Gheorghe Gabriel	gabijiga@yahoo.com	RM	ME	• Layered composite structures; • Experimental stress analysis; • Sandwich structures; • Impact on composite structures.

No.	PhD Supervisor	Email	Department	DF	Scientific Areas
32.	Prof.dr.eng. OLARU Adrian	aolaru_51@ymail.com	RSP	ME	• 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
33.	Prof.dr.eng. POPESCU Diana	diana@mix.mmi.pub.ro, dian_popescu@yahoo.com	RSP	ME	• Assembly/disassembly process modeling • Additive Manufacturing • Industrial robots
34.	Prof.dr.eng. CĂRUȚAȘU George	carutasu.george@gmail.com	U. Rom. American. Fac. Inform. for Bus. Management	EMg	• Enterprise Resource Planning • Business Software Applications • Virtualization and Cloud Computing Management
35.	Prof.dr.eng. CĂRUȚAȘU Nicoleta Luminița	nicoletacarutasu@yahoo.com	RSP	EMg	• Occupational Health and Safety Management; • Logistics
36.	Prof.dr.eng. IOANA Adrian	adyioana@gmail.com	IE-SIM	EMg	• 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
37.	Prof.dr.eng. MARIN Alexandru	alexandru.marin@upb.ro	HMHIM – Energy Engineering	EMg	• 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

No.	PhD Supervisor	Email	Department	DF	Scientific Areas
38.	Prof.dr.eng.ec.mat. SEMENESCU Augustin	asemenescu2002@yahoo.com	IE-SIM	EMg	• 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
39.	Prof.dr.eng.dr.ec.dr. Habil. ȚÎȚU Aurel Mihail	mihail.titu@yahoo.com mihail.titu@ulbsibiu.ro	IIM-ULBS	EMg	• 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.
40.	Prof.dr.eng. TOPALA Pavel	pavel.topala@gmail.com	TCM	IE	• Nonconventional Technologies and Specific Technological Systems • Micro and Nanotechnologies • Product Development