Responsible person for the course:

Name: *Dr. Péter Tamás*	**Year of birth:** *1983*

Education, diploma issued by, in:

MSc in Engineering and Management, University of Miskolc, 2006

Current job, current position:

Insitute of Logistics, Faculty of Mechanical Engineering and Informatics, university professor and head of institute

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD in Information Sciences (2012)
dr. habil in Information Sciences (2021)

Experience in education

- ***BSc programme: Storage systems, Logistics of electronic manufacturing, Simulation of logistics systems, Lean logistics, Simulation of logistics processes, Basics of lean, Logistics in administration, Maintenance in logistics, Quality assurance logistics, Material handling systems***
- ***Erasmus programme: Lean logistics***
- ***Postgraduate specialist training course: Lean tools and methods, Basics of a lean thinking, Simulation of logistics processes***
- ***MSc programme: Transport-forwarding, Global logistics, Design of material handling and storage systems, Quality assurance of logistics systems, Transport Activities, Lean logistics, Lean 4.0***
- ***PhD programme: Simulation of Material Flow and Logistics, Storage systems***
- ***Duration spent in education: 15 years***

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

- ***Dobos, P.; Cservenák, Á.; Skapinyecz, R.; Illés, B.; Tamás, P.: Development of an Industry 4.0-Based Analytical Method for the Value Stream Centered Optimization of Demand-Driven Warehousing Systems, SUSTAINABILITY 13(21), 2021, 33 p.***
- ***Tamás, P.; Tollár, S.; Illés, B.; Bányai, T.; Tóth, Á.B.; Skapinyecz, R. Decision Support Simulation Method for Process Improvement of Electronic Product Testing Systems. Sustainability 2020, 12, 3063. https://doi.org/10.3390/su12073063***
- ***P. Tamás: Examining the possibilities for efficiency improvement of SMED method using simulation modelling, MANUFACTURING TECHNOLOGY 17:(4) pp. 120-126. (2017)***
- ***P. Tamás: Decision Support Simulation Method for Process Improvement of Intermittent Production Systems, APPLIED SCIENCES-BASEL 7:(9) Paper 950. 16 p. (2017)***
- ***P. Tamás: Application of value stream mapping at flexible manufacturing systems KEY ENGINEERING MATERIALS 686: pp. 168-173. (2016)***

b) Any other scientific/research achievement, patents, etc:

- ***Participation in more than 40 industrial R&D projects since 2006, the 5 most important of which are:***
  - ***Development of parameterizable simulation test models for the examination of the material flow system variants of the motors and their associated unit load formation equipment between up and down points (Client: Audi Hungaria Zrt.)***
  - ***Production line material supply planning for CLAAS Hungaria Ltd.***
  - ***Innovative design of the placement of objects of technological processes related to the production of small series parts of the tool factory of Audi Hungária Motor Ltd. with a simulation method***
  - ***Elaboration of the concept of the additional SAP module for the implementation of the FIFO principle in the raw material storage system of Bosch Rexroth Pneumatika Ltd.***
  - ***Review of forklift material handling system, making proposals for its development (Client: Linamar Hungary Zrt.)***
- ***Supervision and co-supervision of 7 PhD students, of which 2 PhD students graduated and 1 PhD student completed the course requirements (doktori.hu).***

c) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards:

- ***Founder and President of Logistics 4.0 Section (MLBKT) (2021-)***
- ***President of Zénó Terplán College for Advanced Studies (2020-)***
- ***Head of the Institute of Logistics (2019-)***
- ***Vice-dean for economic affairs and development (2017-)***
- ***Alternate Member of National Leadership (GTE) (2020-)***
- ***Member of the Production Systems Division (GTE) (2020-)***
- ***Chairman of the Material Handling and Logistics Working Committee (MTA-MAB) (2020-)***
- ***Member of the MLBKT (2019-)***
- ***Member of the Hungarian Logistics Association (MLE) (2019-)***
- ***Member of the Lean Enterprise Institute (2019-)***
- ***Member of the Material Handling and Logistics Working Committee (MTA - MAB) (2016-)***
- ***Professional awards and prizes:***
  - ***Excellent Researcher at the University of Miskolc (2021.) Kiváló Oktató Diploma (2021.)***
  - ***Excellent Scientific Author of the University of Miskolc (2020.)***
  - ***Excellent Consultant Award (2018.)***
  - ***Honorary Student Award (2018.)***
  - ***Best Publication Prize (IManEE 2016.)***
  - ***MTA MAB – TAKATA Scientific Prize (2015.)***
  - ***Dean's Award - Outstanding Researcher (2014.)***

Responsible person for specialization:

Name: ***Dr. Tamás Bányai***	**Year of birth:** ***1968***
Education, diploma issued by, in:	
mechanical engineer, University of Miskolc, 1993	
Current job, current position:	
University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Logistics - full professor	
Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)	
PhD in Information Sciences, 1999 ***dr. habil in Infomation Sciences, 2021***	
Experience in education	
Subjects in Hungarian: • ***BSc programmes: Material flow and warehousing systems, Logistics, Optimisation of logistics processes, Information science in logistics, Logistics systems, Logistics systems, Recycling logistics, Recycling logistics*** • ***MSc programmes: Material handling machines, Robotised material handling, Design of material handling processes, Design of material handling systems, Design and control of material handling systems I., Design and control of material handling systems II., Design and control of material handling systems III., Purchasing and distribution logistics, Logistics management, Evaluation methods of logistics systems, Information flow in logistics systems, Methods and applications in logistics, Management of warehousing systems, Logistics processes in recycling, Computer science I., Service logistics, Logistics of services, Logistics processes in production and services, Recycling logistics, Closed loop economy*** • ***PhD education: Information science in logistics, Service logistics, Recycling logistics, Evaluation methods of logistics systems*** ***Subjects in English:*** ***BSc programme: Design of Materials Flow Systems; MSc programme: Materials Handling Machines and Systems; PhD education: Procurement and Distribution Logistics, Recycling logistics, Theory of Material Flow Systems***	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
a) Publications focusing on main research field (max. 5 typical publications): 1. ***Bányai, T. Real-time decision making in first mile and last mile logistics: How smart scheduling affects energy efficiency of hyperconnected supply chain solutions. Energies 2018, 11(7):1833. (Q1, IF=2.707, Independent citations: 64)*** 2. ***Bányai, T. Economic aspects of decision making in production processes with uncertain component quality. Inzinerine Ekonomika/Engineering Economics 2019, 30(1):4-13. (Q2, IF=0.730, Independent citations: 2)***	

3. ***Bányai, T., Illés, B., Bányai, Á. Smart Scheduling: An Integrated First Mile and Last Mile Supply Approach. Complexity 2018:5180156. (Q1, IF=2.591, Independent citations: 29)***
4. ***Bányai, T., Landschützer, C., Bányai, Á. Markov-Chain Simulation-Based Analysis of Human Resource Structure: How Staff Deployment and Staffing Affect Sustainable Human Resource Strategy. Sustainability 2018, 10(10):3692. (Q2, IF=2.592, Independent citations: 11)***
5. ***Bányai, T., Tamás, P., Illés, B., Stankevičiūtė, Ž., Bányai, Á., Optimization of Municipal Waste Collection Routing: Impact of Industry 4.0 Technologies on Environmental Awareness and Sustainability. International Journal of Environmental Research and Public Health 2019, 16(4):634. (Q2, IF=2.849, Independent citations: 58)***

b) Any other scientific/research achievement, patents, etc:

I have participated in 12 doctoral procedures as opponent or member of the committees of the doctoral schools of the following universities: University of Miskolc, Budapest University of Technology and Economics, University of Pécs and University of Győr. I have taken part in the organisation of more than 15 domestic and international conferences, I have delivered 1 plenary and 1 keynote lectures, I have been member of a scientific committee in 2 cases and I have been chair of a conference session in 7 cases. During my career, I have taken part in 21 domestic conferences and in 24 international conferences abroad as speaker.
I am the editor-in-chief of the Multidisciplinary Sciences journal of the University of Miskolc. I have participated in the editorial boards of 1 domestic professional journal and in the editorial or advisory boards of 4 international professional journals.
During my career I have cooperated with researchers from 15 countries. The co-authors of my journal articles are researchers from Germany, Austria, Russia, Lithuania, Cuba, China, Kazakhstan, Kyrgyzstan, Pakistan and United Kingdom. I have participated in 13 international research projects and extended the international relationship of the Institute of Logistics at the University of Miskolc. I have edited and co-edited 7 scientific books in English, the co-editors are researchers from Italy, Spain and Poland. The University of Missouri Research Board has asked me to review 1 international project proposal.

c) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards:

2002-2005	***János Bolyai Research Scholarship of the Hungarian Academy of Sciences***
2016:	***„Medal of the Faculty of Mechanical Engineering and Informatics" from the Council of the Faculty of Mechanical Engineering and Informatics at the University of Miskolc for the outstanding activities in the field of education and research and for the implementation of dual education***
2018:	***„Outstanding supervisor" certificate awarded by the rector of the University of Miskolc for the outstanding supervision of students writing papers to be presented at local and national conferences of student research societies (TDK/OTDK supervision)***
2019:	***Certificates of recognition from the scientific committee of the 34th National Conference of Student Research Societies for the outstanding supervisor activity (3 presentations, one 2nd place and one special award for the presentation)***
2020:	***„Outstanding supervisor" certificate awarded by the rector of the University of Miskolc for the outstanding supervision of students writing papers to be presented at local and national conferences of student research societies (TDK/OTDK supervision)***

2020:	*„Outstanding researcher of the University of Miskolc" certificate awarded by the rector of the University of Miskolc for the outstanding activities in the field of publication, R&D and implementation of dual education*
2021:	*Certificates of recognition from the scientific committee of the 35th National Conference of Student Research Societies (3 presentations, one 2nd place and one special award for the presentation) in 2021*
2021:	*„Outstanding researcher of the University of Miskolc" certificate awarded by the rector of the University of Miskolc for the outstanding activities in the field of publication and scientific visibility of the University of Miskolc*

Employees at the institution:

Name: *Dr. Ágota Bányainé Tóth*	**Year of birth:** *1970*
Education, diploma issued by, in:	
mechanical engineer, University of Miskolc, 1993	
Current job, current position:	
University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Logistics - associate professor	
Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)	
PhD in Information Sciences, 1999	
Experience in education	
Logistics A, Logistics systems, Logistics for IT specialists, Material flow systems, Recycling logistics, Materials handling and logistics, Technics in material flow, Eurologistics, Logistics processes in purchasing and distribution, Recycling logistics processes, Industry 4.0 and logistics, Logistics B, Logistics in quality assurance and recycling, Logistics systems and processes II, Purchasing and distribution logistics, Global logistics – supply chains and recycling logistics, Logistics systems I, Logistisc systems and machines, Logistics management, Logistics systems II, EU logistics – global logistics, Production and service logistics, Logistics systems and processes, Standards and methods for the analysis of packaging systems, Recycling of packaging, Global logistics, Mathematical models in logistics	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	

a) Publications focusing on main research field (max. 5 typical publications):

1. ***Bányai, Á. Energy Consumption-Based Maintenance Policy Optimization. ENERGIES 14(18), 5674, 2021***
2. ***Bányai, Á. Exchange curve-based inventory policy analysis of non-reusable industrial packaging in production. JOURNAL OF PRODUCTION ENGINEERING 24(1):43-49, 2021***
3. ***Bányai, Á., Illés, B., Glistau, E., Machado, N.I.C., Tamás, P., Manzoor, F., Bányai, T. Smart Cyber-Physical Manufacturing: Extended and Real-Time Optimization of Logistics Resources in Matrix Production. APPLIED SCIENCES-BASEL 9(7):1287, 2019***
4. ***Bányai, Á ; Bányai, T ; Illés, B. Optimization of Consignment-Store-Based Supply Chain with Black Hole Algorithm. COMPLEXITY 2017, 6038973, 2017***
5. ***Bányai, Á., Illés, B., Schenk, F. Supply Chain Design of Manufacturing Processes with Blending Technologies. SOLID STATE PHENOMENA 261, 509-515, 2017***

b) Any other scientific/research achievement, patents, etc:

Projectmanager:

- ***Establishment and preparation of interdisciplinary research teams for participation in international programs in the strategic research fields of the University of Miskolc, TÁMOP-4.2.2.D-15/1/KONV-2015-0017, Leader: Prof. Dr. Zoltán Gácsi***
- ***Development of competency-based, complex digital curriculum modules in the field of engineering education related to modern materials, nano- and mechanical technologies, TÁMOP-4.1.2-08/1/A-2009-0001, Leader: Prof. Dr. Zoltán Gácsi***

- *Increasing the recognition of scientific career and in the field of engineering and information sciences in line with the strategic goals of the University of Miskolc, TÁMOP-4.2.3-08/1-2008-0007, Leader: Prof. Dr. Ferenc Kovács*

PhD supervisor:

- *János Korponai, 2018*
- *László Vida, 2021*

Participation in international projects:

- *Development of a Bologna-Based Master Curriculum in Resource Efficient Production Logistics, Erasmus+585967-EPP-1-2017-1-DE-EPPKA2-CBHE-JP, Leader: Dr. Tobias Reggelin*
- *Reinforce the scientific excellence and innovation capacity in logistic technology of the University of Miskolc, H2020-EU4.B-691942, Leader: Prof. Dr. Béla Illés*

c) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards:

2010: *Memorial medal of the Faculty of Mechanical Engineering and Informatics*

2017: *Signum Aureum Universitatis medal*

2018: *„Outstanding supervisor" certificate awarded by the rector of the University of Miskolc for the outstanding supervision of students writing papers to be presented at local conferences of student research societies (TDK supervision)*

2019: *Certificates of recognition from the scientific committee of the 34th National Conference of Student Research Societies*

2020: *Signum Aureum Facultatis medal*

2021: *„Outstanding supervisor" certificate awarded by the rector of the University of Miskolc for the outstanding supervision of students writing papers to be presented at local conferences of student research societies (TDK supervision)*

2021: *„Outstanding researcher of the University of Miskolc" certificate awarded by the rector of the University of Miskolc*

2022: *„Outstanding Lecturer Diplom", awarded by the Student Self-Government of the University of Miskolc*

Name: *Dr. Péter Bencs*	Year of birth: *1983*

Education, diploma issued by, in:

MSc. engineering and management, University of Miskolc (Hungary), 2008.

Current job, current position:

Univ. of Miskolc, Faculty of Mechanical Engineering and Informatics Science, Institute of Energy Engineering and Chemical Machinery – associate professor, director of institute

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (mechanical sciences) 2015.

Experience in education

lectures/practical lessons: Műszaki áramlástan/Engineering Fluid Mechanics (practical lessons), Áramlástechnikai gépek/Fluid machinery (lectures + practical lessons), Erőművek/Power plants (lectures), Műszaki hő- és áramlástan/ Engineering Fluid Mechanics and Heat Transfer (lectures + practical lessons), Műszaki hőtan/Engineering Thermodynamics (lectures + practical lessons), Hőenergetika/Thermal energetics (lectures + practical lessons), Klíma- és fűtéstechnika/ Air conditioning and heating (lectures + practical lessons), Engineering thermodynamics (English, lectures + practical lessons), CFD (practical lessons). Educational activity: from 2008.

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

Alktranee, Mohammed ; Shehab, Mohammed Ahmed ; Németh, Zoltán ; Bencs, Péter ; Hernadi, Klara ; Koós, Tamás ; Alktranee, mohammed**
Energy and exergy assessment of photovoltaic-thermal system using tungsten trioxide nanofluid: An experimental study
International Journal of Thermofluids 16 p. 100228 Paper: 100228 (2022)

Alktranee, Mohammed ; Shehab, Mohammed A. ; Németh, Zoltán ; Bencs, Péter
Iron Oxide and Tungsten Trioxide Nanofluids to Enhance Automotive Cooling Radiators: Experimental Analysis
LECTURE NOTES IN MECHANICAL ENGINEERING Vehicle and Automotive Engineering 4 pp. 521-537. , 17 p. (2022)

Alktranee, Mohammed ; Bencs, Peter
Effect of Evaporative Cooling on Photovoltaic Module Performance
PROCESS INTEGRATION AND OPTIMIZATION FOR SUSTAINABILITY 6 : 2 pp. 1-10. , 10 p. (2022)

Száva, Renáta-Ildikó ; Bolló, Betti ; Bencs, Péter ; Jármai, Károly ; Száva, Ioan ; Popa, Gabriel ; Asztalos, Zsolt ; Vlase, Sorin
Experimental and Numerical Studies of the Heat Transfer in Thin-Walled Rectangular Tubes under Fire
SYMMETRY 14 : 9 p. 1781 (2022)

Szaszák, N. ; Roloff, C. ; Bordás, R. ; Bencs, P. ; Szabó, S. ; Thévenin, D.
A novel type of semi-active jet turbulence grid

HELIYON 4 : 12 Paper: e01026 , 25 p. (2018)

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :
PhD scientific research in the field of flow sciences (2008.09.01.-2011.08.31.)
DAAD researcher exchange programme in the field of flow sciences /Magdeburg-Miskolc/ (2008-2022.)
Electrolux-Lehel Ltd.: laboratory tests and development of household applications / flow sciences /, researcher (2014.03.-2014.05.)
FIEK project: researcher, flow-noise reduction of HVAC modules (2017-2019)
Hajdu- Hajdúsági Ipari Corp. Flow/heat sciences R+D project (2017. summer-fall)

Name: *Dr. Edgár Bertóti*	Year of birth: *1961*

Education, diploma issued by, in:

MSc in Mechanical Engineering, University of Miskolc (Technical University for Heavy Industry), Faculty of Mechanical Engineering, 1984

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Applied Mechanics – full professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

CSc (PhD) in Engineering Sciences, 1992
Dr. habil in Engineering Sciences, 2001
DSc in Engineering Sciences, 2004

Experience in education

Subjects taught in Hungarian as a lecturer:

BSc level*: Statics, Mechanics of Materials, Dynamics, Engineering Mechanics I-II, Vehicle Dynamics, Kinematics of Mechanisms and Robots, Mechanics of Elastic Bodies, Finite Element Method, Variational Principles in Mechanics, Theory of Shells of Revolution *(University of Miskolc, Hungary)

MSc level:* Continuum Mechanics, Theory of Elasticity, Theory of Plates and Shells, Constitutive Models in Mechanics *(University of Miskolc, Hungary)

PhD level:* Continuum Mechanics, Theory of Shells *(University of Miskolc, Hungary)

Teaching experience: 36 years

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

- ***Bertóti, E.*: Stress- and rotation-based hierarchic models for laminated composites, *International Journal for Numerical Methods in Engineering*, Vol. 39, No. 15, pp. 2647–2671, 1996**
- ***Bertóti, E.*: Dual-mixed *hp* finite element methods using first-order stress functions and rotations, *Computational Mechanics*, Vol. 26, No. 1, pp. 39–51, 2000**
- ***Bertóti, E.*: Dual-mixed *p* and *hp* finite elements for elastic membrane problems, *International Journal for Numerical Methods in Engineering*, Vol. 53, No. 1, pp. 3–29, 2002**
- ***Bertóti, E.*: On divergence-free stress fields and zero-energy stress functions in elasticity, *Mechanics Research Communications*, Vol. 71, pp. 20–24, 2016**
- ***Bertóti, E.*: Primal- and dual-mixed finite element models for geometrically nonlinear shear-deformable beams – a comparative study, *Computer Assisted Methods in Engineering and Science*, Vol. 27, No. 4, pp. 285–315, 2020**

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :

Research Fellowships abroad:

- **Technische Überwachungs-Verein Research Fellowship, TÜV-Rheinland, Köln, Germany (1991, 3 months)**
- **Alexander von Humboldt Research Fellowship, Universität Stuttgart, Institut für Computer-Anwendungen, Germany (1993–1995, 23 months; 2000, 1 month)**
- **Fulbright Research Fellowship, Washington University in St. Louis, Center for Computational Mechanics, St. Louis, Missouri, USA (1995–1996, 10 months)**

Research Fellowships in Hungary:

- **Bolyai János Research Fellowship, Hungarian Academy of Sciences (1998-2001)**
- **Széchenyi István Fellowship, Hungarian Ministry of Education (2001-2004)**

Main Research Projects (as Principal Investigator):

- **Numerical simulation of the cooling process of a press-cylinder, MAN Roland Druckmaschinen AG, Offenbach am Main, Germany (1998-1999)**
- **OTKA T26292 – Application of multi-field variational principles to numerical analysis of non-linear elasticity problems, Hungarian Scientific Research Fund (1998-2000)**
- **OTKA T34358 – Multi-field variational principles and finite element methods in the non-linear theory of elasticity, Hungarian Scientific Research Fund (2001-2004)**
- **OTKA T49427 – Stress-based and higher-order finite element methods in the mechanics of solids, Hungarian Scientific Research Fund (2005-2008)**
- **MOL NyRT, KFSZ-293/NP/2008 – Numerical modeling of geomechanical behavior of unconventional reservoirs, MOL Hungary (2008-2013)**

Scientific supervisor of 2 PhD theses (2012, 2013)

Name: *Dr. Csilla Csák*	Year of birth: *1967*

Education, diploma issued by, in:

lawyer, University of Miskolc, 1990

Current job, current position:

University of Miskolc, Faculty of Law - full professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD, dr. habil

Experience in education

31 years of full-time teaching activity in agricultural law, environmental law, economic law, cooperative law

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):,

https://vm.mtmt.hu//search/slist.php?lang=0&AuthorID=10002451

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :

- ***Member of the Borsod-Abaúj-Zemplén County Bar Association since 1993***
- ***From 1998 to 2002, he was a member of the MTA ME Rudolf von Jehring Research Group***
- ***Since 1997, he has been a member of the State and Jurisprudence Committee of the Miskolc Academy of the Hungarian Academy of Sciences***
- ***Member of EMLA Environmental Management and Law Association since 2002***
- ***Member of the Hungarian Labor Law Society since 2002***
- ***2003-2013 Member of the Legal Examination Committee, censor***
- ***Since 2005, he has been the president of the CEDR Hungarian Agrarian Law Association***
- ***From 2006, Journal of Agricultural and Environmental Law c. responsible publisher of periodicals, member of the editorial board***
- ***Since 2006, he has been a member of the editorial board of the Miskolc Law Review***
- ***Since 2006, member of the Public Board of the Hungarian Academy of Sciences***
- ***Since 2007, vice-president of Comité Européen de Droit Rural***
- ***2008-2014 Chairman of the Legal Working Committee of the Natural Resources and Rural Development Regional Committee of the Hungarian Academy of Sciences Miskolc***
- ***Since 2008, the Arbitration Court operating under the Hungarian Chamber of Agriculture has been an arbitrator***
- ***Since 2010, head of the Natural and Human Resources Law Research Center of the University of Miskolc, Faculty of State and Law***
- ***Since 2013, member of the board of the Arbitration Court of the National Chamber of Agrarian Economy, arbitrator***

- *Since 2014, scientific secretary of the Miskolc Regional Committee (MTA MAB) of the Hungarian Academy of Sciences*
- *2013-2014 Member of the Sustainable Development Working Group of the Ministry of Rural Development and member of the Kúria Environmental Responsibility Working Group*
- *Since 2015, he has been a member of the editorial board of the Visegrad Journal on Human Rights*
- *Since 2017, member of the scientific advisory board of the journal REVISTA FACULTĂȚII DE DREPT ORADEA. Since 2017 (Advisory Board) Journal of the Faculty of Law Oradea*
- *Since 2017, he has been a member of the editorial board of Miskolc Jogtudó*
- *From 2019, he is the president of the Agricultural Law Department of the Hungarian Bar Association*
- *From 2019, he is a member of the editorial board of the Journal of State and Law*

Awards:

- *2003. Scientific award of the Miskolc Regional Committee of the Hungarian Academy of Sciences*
- *2006. "Pro Facultate Iurisprudentiae" award (ME ÁJK)*
- *2006. Excellent Teaching Diploma (ME-HÖK)*
- *2007. Excellent Teaching Diploma (ME-HÖK)*
- *2010 "Signum Aureum Universitatis" award (ME)*
- *2014. János Nagyváthy Award (ministerial award)*
- *2015. University of Miskolc "Meritable Instructor" award*
- *2015. Comité Européen de Droit Rural bronze grade international award*
- *2016. "With an Excellent Diploma in Counseling" (ME)*
- *2017. Certificate of Recognition for promoting the employment of disabled persons*
- *2017. Hungarian Order of Merit Knight's Cross award*

Name: *Dr. Ákos Cservenák*	Year of birth: *1991*

Education, diploma issued by, in:

Mechatronic Engineer MSc, University of Miskolc, 2016
Vehicle Engineer MSc, Széchenyi István University, 2018

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Miskolc – senior lecturer

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (mechanical engineering) 2021, Title of dissertation: Theoretical and practical analysis of robotic systems

Experience in education

Educational activity carried out since 2016, subjects taught at the Robert Bosch Institute of Mechatronics from 2016/2017/1 until 2019/2020/2: Basics of Mechatronics; Actuators, sensors; Mechatronic systems; Hydraulics. From 2019/2020/2 subjects taught at the Institute of Logistics: Material handling machines and systems; Mechatronics in the material flow; Industry 4.0 and Logistics; Controlling and automation of logistics systems; Lean 4.0; Operation of packaging machines and equipment. Subjects taught in English in Erasmus+: Mechatronic systems; Lean Logistics. Guest education for 1 week at the Institute of Technical Logistics of the Technical University of Graz.

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

1. ***Cservenák, Ákos: Path and Trajectory Planning for an Automated Carrier Vehicle Equipped with two Conveyor Belts used in Manufacturing Supply, MANUFACTURING TECHNOLOGY 21 : 2 pp. 163-182. , 20 p. (2021)***
2. ***Cservenák, Ákos: Creating Voltage, Current and Navigation Measurement System on an AGV for Motion Controlling, ACADEMIC JOURNAL OF MANUFACTURING ENGINEERING 19 : 2 pp. 31-38. , 8 p. (2021)***
3. ***Cservenák, Ákos: Simulation of a Mobile Robot's Motion, ACADEMIC JOURNAL OF MANUFACTURING ENGINEERING 19 : 1 pp. 80-88. , 9 p. (2021)***
4. ***Bányai, Tamás ; Cservenák, Ákos: Logistics and Mechatronics Related Research in Mobile Robot-Based Material Handling, LECTURE NOTES IN MECHANICAL ENGINEERING Vehicle and Automotive Engineering 4 pp. 428-443. , 16 p. (2022)***
5. ***Ákos, Cservenák: SIMULATION AND MODELING OF A DC MOTOR USED IN A MOBILE ROBOT, ACADEMIC JOURNAL OF MANUFACTURING ENGINEERING 18 : 4 pp. 183-190. , 8 p. (2020)***

b) Any other scientific/research achievement, patents, etc:

1. ***EFOP: performing research tasks on the development of intelligent waste collection systems, summarizing the results achieved in the form of publications***
2. ***FIKP: research of intelligent storage systems, participation in the development and implementation of development proposals***
3. ***ISI Automotive Hungary, AUDI Hungária, Kovács Kft, Ongropack: industrial works***

4. ***ProdLog: creating publications with co-authors***
5. ***Dual University: competency assessment***
6. ***Tudásvár: holding professional lectures for high school students***

c) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards:

- ***Conference presentation in a foreign language:***
  - ***2022: Automated material handling equipment used in concrete engineering, 13th Central European Congress on Concrete Engineering (CCC2022), Zakopane, Poland***
  - ***2022: Logistics and Mechatronics Related Research in Mobile Robot-Based Material Handling, Vehicle and Automotive Engineering 4, University of Miskolc, Miskolc***
  - ***2021: Path- and trajectory planning on an AGV, ProdLog workshop, Miskolc (hybrid)***
  - ***2020: SmartBin development for cyber-physical waste collection, 13th International Doctoral Student Workshop on Logistics, Magdeburg, 16 June 2020 (online)***
  - ***2018: Further development of an AGV control system, Vehicle and Automotive Engineering 2, University of Miskolc, Miskolc***
- ***New National Excellence Programme Scholarship, 2017/18***
- ***Scholarship of the Hungarian Republic, 2012, 2013, 2014 and 2015***
- ***Study medallion: gold: 2013, 2014, 2015 and 2016, silver: 2012, bronze: 2011***

Name: Füredi-Fülöp Judit Ph.D.	Year of birth: *1983*

Education, diploma issued by, in:

MSC, Economist, University of Miskolc, (Hungary) 2006

Auditor, Chamber of Hungarian Auditors, 2011

Current job, current position:

Univ. of Miskolc, Faculty of Economics, Institute of Finance and Accounting – associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (social sciences) 2016,

Theory of Assessment and Practical Aspects of Audit Expectation Gap in Hungary

Experience in education

Education experience: 15 academic year (lectures+practical lessons)

- ***Principles of Accounting (BA)***
- ***Principles of Accounting (English course, BA)***
- ***Accounting and Finance (English course, MBA)***
- ***Regulation of Accounting (MA)***
- ***Financial Accounting (BA)***
- ***Compilation of the Annual Report (BA)***
- ***Audit (BA)***
- ***International Accounting (BA)***
- ***International Accounting Reporting Systems (MA)***
- ***Analysis of financial reports (MA)***

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

- **Füredi-Fülöp, Judit ; Várkonyiné, Juhász Mária: TUDÁSALAPÚ HOZZÁADOTT ÉRTÉK MEGJELENÍTÉSE A PÉNZÜGYI KIMUTATÁSOKBAN; In: Veresné, Somosi Mariann; Lipták, Katalin (szerk.) "Mérleg és Kihívások" XI. Nemzetközi Tudományos Konferencia; Miskolc, Magyarország : Miskolci Egyetem Gazdaságtudományi Kar (2019) 565 p. pp. 89-98. , 10 p.**
- **Füredi-Fülöp, Judit ; Várkonyiné, Juhász Mária: Befektetett eszközök finanszírozásának számviteli kérdései; In: Bozsik, Sándor (szerk.) Pénzügy-számvitel füzetek IV : 2018; Miskolc-Egyetemváros, Magyarország : Miskolci Egyetemi Kiadó (2019) 49 p. pp. 7-13. , 7 p.**
- **Füredi-Fülöp, Judit: Pénzügyi beszámoló felépítése; In: Molnár, László; Kádárné, Horváth Ágnes (szerk.) Vállalkozási alapismeretek : Az üzleti ötlettől a piaci sikerig; kolc-Egyetemváros, Magyarország : Miskolci Egyetem Gazdaságtudományi Kar (2018) 97 p. pp. 67-78. , 12 p.**

- **Judit Füredi-Fülöp: Factors Leading to Audit Expectation Gap: An Empirical Study in a Hungarian Context, THEORY METHODOLOGY PRACTICE: CLUB OF ECONOMICS IN MISKOLC 13 (2017): (02) pp. 13-23.**
- **Füredi-Fülöp, Judit ; Várkonyiné, Juhász Mária ; Pál, Tiborné: Innovatív megoldások a számvitelben, In: Veresné, Somosi Mariann; Lipták, Katalin (szerk.) „Mérleg és Kihívások" X. Nemzetközi Tudományos Konferencia = „Balance and Challenges" X. International Scientific Conference : Konferenciakiadvány: A közgazdászképzés elindításának 30. évfordulója alkalmából,Miskolc-Egyetemváros, Magyarország : Miskolci Egyetem Gazdaságtudományi Kar, (2017) pp. 392-403. , 12 p.**

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :

- **Member of the MTA public body**
- **Accounting master program, specialist**
- **Participation in the establishment and accreditation of the master's program in Accounting**
- **Interpretation of the theoretical framework of International Financial Reporting Standards (IFRS) subject teaching – IFRS Chartered Accountant level**
- **Application of the assessment and presentation features of International Financial Reporting Standards (IFRS) subject teaching – IFRS Certified accountant level**
- **Participation in continuing education for qualified accountants**
- **Auditor**

Name: *Dr. Noémi Hajdú*	Year of birth: *1983*

Education, diploma issued by, in:

economist, University of Miskolc, 2007
economics teacher, University of Miskolc, 2020

Current job, current position:

University of Miskolc, Faculty of Economics, Institute of Marketing and Tourism - associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (economics) 2013, Marketing measurement approach and domestic experience

Experience in education

Teaching since 2007
Marketing (in Hungarian and English), International trade (in Hungarian and English), International marketing, Digital marketing (in Hungarian and English), E-communication and E-marketing, Sales, Sales Promotion, Consumer behavior, Marketing communication.

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

Khan, M. – Hajdú, N. (2022): Analysis of International Trade Relation Regarding India and the European Union. International Journal of Business and Applied Social Science 8 : 5 pp. 26-35. , 10 p. (2022)

Hajdú, N. (2022): Market entry opportunities for Pannon Wine Region MULTIDISZCIPLINÁRIS TUDOMÁNYOK: A MISKOLCI EGYETEM KÖZLEMÉNYE 12 : 3 pp. 14-23. , 10 p. (2022)

Lipták, K. - Hajdú, N. - Szűcsné, Markovics, K. - Musinszki, Z. (2022): Innovative Financial Indicators: Marketing ROI. In: Mustafa, Ghulam; Demir, Ender; Danis, Hakan; Bilgin, Mehmet Huseyin (szerk.) Eurasian Business and Economics Perspectives : Proceedings of the 35th Eurasia Business and Economics Society Conference, Cham, Svájc : Springer International Publishing (2022) pp. 137-147. Paper: Chapter 9 , 11 p.
Nagy, Sz. - Hajdú, N. (2021): Consumer Acceptance of the Use of Artificial Intelligence in Online Shopping: Evidence From Hungary. AMFITEATRU ECONOMIC 23 : 56 pp. 155-173. , 19 p. (2021)

Hajdú, N. - Lipták, K. - Săplăcan, Zs.: (2018): Comparative analysis of baby food labelling in Hungary and in Romania: consumers' perspective. AMFITEATRU ECONOMIC 20 : 47 pp. 62-83. , 22 p. (2018)

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :
Member of the Association for Marketing Education and Research

MTA MAB Marketing subcommittee secretary

Invited speaker and training provider of the National Association of Industrial Associations (IPOSZ).

International experiences:

2022- Guest lecturer Cluj-Napoca Babes-Bolyai University (FSEGA)

2020-2021: Guest lecturer Ufa State Petroleum Technological University (USPTU)

Babes-Bolyai Univ. Cluj-Napoca, Romania, Cluj Napoca
31.10.2022.-04.11.2022.

Erasmus and Erasmus+
Ivane Javakhishvili Tbilisi State University, Georgia, Tbilisi
09.30.2019 - 04.10.2019

Saxion University Of Applied Sciences, The Netherlands, Deventer
18.03.2019.-22.03.2019.

Armenian State University of Economics, Armenia, Yerevan
04.27.2018 - 04.05.2018

Varna University of Economics, Bulgaria, Varna
12.03.2018.-16.03.2018.

Babes-Bolyai Univ. Cluj-Napoca, Romania, Cluj Napoca
30/05/2017 - 06/06/2017

Universitá Lum Jean Monnet In Casamassima, Italy, Casamassima
27.03.2017-31.03.2017

Aschaffenburg University Of Applied Sciences, Germany, Aschaffenburg
20/05/2016 - 30/05/2016

Name: *Dr. Kovács Béla*	Year of birth: *1961*

Education, diploma issued by, in:

mechanical engineer, University of Miskolc, 1984

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Mathematics – associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

CSc (Candidate of technical sciences.) 1993,

Experience in education

Analysis, Linear algebra, Differential equations, time spent in education 25 years, education in English, Tampere University of Technology, University of Bergamo, University of Târgu Mureş

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

1. ***Mária, Nándori-Tóth ; Béla, Kovács: Kinematic test of mechanisms, DESIGN OF MACHINES AND STRUCTURES 4 : 1 pp. 45-49. , 5 p. (2014)***
2. ***Ravi, P Agarwal ; B, Kovács ; Donal, O'Regan: Existence of positive solution for a sixth–order differential system with variable parameters, JOURNAL OF APPLIED MATHEMATICS AND COMPUTING 44 : 1-2 pp. 437-454. , 18 p. (2014)***
3. ***Ravi, P. Agarwal ; B, Kovacs ; D O'Regan: Existence of positive solutions for a fourth-order differential system, ANNALES POLONICI MATHEMATICI 112 : 3 pp. 301-312. , 12 p. (2014)***
4. ***B, Kovács: Vibration analysis of layered curved arch, JOURNAL OF SOUND AND VIBRATION 332 : 18 pp. 4223-4240. , 18 p. (2013)***
5. ***Kovács, Béla: Vibration Analysis of Layered Curved Arch, In: Jármai, Károly; Farkas, József (szerk.) Design, Fabrication and Economy of Metal Structures : International Conference Proceedings, Berlin, Germany, Heidelberg, Németország : Springer Berlin (2013) 671 p. pp. 627-632. , 6 p.***

Name: *Dr. Péter Zoltán Kovács*	Year of birth: *1977*

Education, diploma issued by, in:

certified mechanical engineer, University of Miskolc, 2000

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Materials Science and Technology – associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (mechanical engineering sciences) 2013

Experience in education

Metallography Material Science, Material Testing, Sheet Metal Forming, Mechanical Technologies, Materials Technologies in Vehicle Industry, Polymer Processing, iCAD Systems 2, Computer Aided Process Planning, General mechanics, Machine drawing, Machine elements

time spent in education: 23 years

I taught Computer Aided Process Planning, iCAD Systems 2 and Polymer Processing in English for two years.

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):,

1. ***Szabolcs Jónás, Péter Zoltán Kovács: Multilayered Aluminum Clinch Joints: An Experimental and Numerical Investigation of the Manufacturing Process, Vehicle and Automotive Engineering 4, LECTURE NOTES IN MECHANICAL ENGINEERING 2195-4356 2195-4364, 2022, pp. 558-567.***
2. ***Salyi Zsolt, Kaptay George, Koncz- Horvath Daniel, Somlyai- Sipos Laszlo, Kovacs Peter Zoltan, Lukacs Attila: Boride Coatings on Steel Protecting it Against Corrosion by a Liquid Lead-Free Solder Alloy, METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE 1073-5615 1543-1916 0360-2141, 2022, pp. 730-743.***
3. ***Rónai L., Kovács P. Z., Gál V.: Design an Opening Force Measuring Device for Balancing Clips, INTERNATIONAL JOURNAL OF ENGINEERING AND MANAGEMENT SCIENCES / MŰSZAKI ÉS MENEDZSMENT TUDOMÁNYI KÖZLEMÉNYEK 6: (2), 2021, pp. 220-225.***
4. ***Baksa Attila, Gönczi Dávid, Kiss László Péter, Kovács Péter Zoltán, Lukács Zsolt: EXPERIMENTAL AND NUMERICAL INVESTIGATIONS ON THE STABILITY OF CYLINDRICAL SHELLS, JOURNAL OF ENGINEERING STUDIES AND RESEARCH 2068-7559, 2020, pp. 34-39.***
5. ***Miklós Tisza, Dávid Budai, Péter Zoltán Kovács, Zsolt Lukács: Investigation of the formability of aluminium alloys at elevated temperatures, IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING 1757-8981 1757-899X, 2016***

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :

1. ***Meritorious lecturer award of the University of Miskolc (2022)***

2. ***Award of the Faculty Medal of the Faculty of Mechanical Engineering and Informatics of the University of Miskolc (2013)***
3. ***Kovács Péter Zoltán, Alakítási határdiagramok elméleti és kísérleti elemzése, PhD (Disszertáció) 2013, DOI: 10.14750/ME.2013.030***

Name: *Daniella Kucsma*	Year of birth: *1988*
Education, diploma issued by, in:	
economist, University of Miskolc, Faculty of Economics	
Current job, current position:	
University of Miskolc, Faculty of Economics, Institute of Management Sciences - assistant lecturer	
Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)	
-	
Experience in education	
Subjects studied: Management organization (7 years), Business Communication (5 years), Organization Behavior and Leadership (5 years), Service management and marketing (3 years), Strategic management of public service organizations (3 years), Integrity-based leadership in the public sector, Performance management (5 years)	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
a) Publications focusing on main research field (max. 5 typical publications):, • **Possibilities for skill development within the project framework University of Miskolc Science Organization and International Department, (2015) pp. 20-26.** • **Connection between Innovation and Lifelong Learning In: Csaba Shévlik (ed.)** • **X. Kheops International Scientific Conference: Science and Responsibility. 689 p.** • **The Impacts of Degree on the Labor MarketIn: Csaba Svéhlik (ed.) - Current issues of organizations and companies: IX. KHEOPS Scientific Conference** **b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :** • **State Audit Office - Holding communication trainings (2021)** • **State Audit Office motivational training (2016)** • **Lean Process Engineer training - Communication training (2019-2021)**	

Name: *Dr. László Kuzsella*	Year of birth: *1976*

Education, diploma issued by, in:

certified engineer-physicist, University of Miskolc, 2001

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Materials Science and Technology – associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (mechanical engineering sciences) 2011

Experience in education

Mechanical Technologies, Heat treatment and Welding, Heat Treatment and Surface Engineering, Materials Selection, Material Structure, Material Science, Material Testing, Computer Aided Process Planning, Application technique of wood materials, Polimer Composites, Modern Materials And Technologies,

time spent in education: 22 years

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

1. ***Nabeel Mohammed; Varga Miklós; Kuzsella László; Fiser Béla; Vanyorek László; Viskolcz Béla;***
   The Effect of Pore Volume on the Behavior of Polyurethane-Foam-Based Pressure Sensors POLYMERS (2073-4360): 14 17 p. 3652. (2022), Q1

2. ***Nabeel Mohammed; Varga Miklós; Kuzsela László; Filep Ádám; Fiser Béla; Viskolcz Béla; Kollár Mariann; Vanyorek László;***
   Preparation of Bamboo-Like Carbon Nanotube Loaded Piezoresistive Polyurethane-Silicone Rubber Composite; POLYMERS (2073-4360): 13 13 Paper 2144. 14 p. (2021) Q1

3. ***Alsalamah Bassel, László Kuzsella, Zsolt Lukács: Physical Simulation and Mathematical Modelization with Hardness Distribution Mapping of Sico Test, GÉP (0016-8572): 72 1-2 pp 7-10 (2021) Language: English HAS Section of Agricultural Sciences (IV.) A Publication: 31926299, Hungary, 2021***

4. ***Alsalamah Bassel, László Kuzsella: Comparison of the mathematical modellisation and physical simulation of strain induced crack opening, Proceedings of the 1st International Conference on Engineering Solutions for Sustainable Development, (ICESSD 2019) Conference: Miskolc, Hungary 2019.10.03. - 2019.10.04. London: CRC Press, p. Title. (2020) Language: English ISBN: 9780367824037, Hungary, 2020***

5. ***Sályi Zsolt; Dr. Kuzsella László; Dr. Benke Márton***
   Különböző összetételű acél alapanyagok szilárd közegű boridálása szelektív forrasztószerszámok élettartam növelésére

XXVIII. Hőkezelő és anyagtudomány a gépgyártásban országos konferencia és szakkiállítás külföldi résztvevőkkel; Konferencia kiadvány, Balatonfüred, Gépipari Tudományos Egyesület, Hőkezelő Szakosztály, pp 225-231, Hungary, 2019

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :

1. ***Excellent Teaching Diploma, Awarded from the University of Miskolc for educational and educational development activities, ME (2017)***
2. ***Excelent Supervisor Diploma, Awarded from the University of Miskolc for supervising activities, ME, TDT (2013)***
3. ***Professional Honors, OMBKE National Hungarian Mining and Metallurgical Association (2011)***
4. ***Kuzsella László, The Effect of Longitudinal Compression on the Structure and the Mechanical Properties of Beech Wood, PhD (Disszertáció) (2011)***

Name: *Lajos Sándor*	**Year of birth:** *1967*

Education, diploma issued by, in:

mechanical engineer MSc, UM, 1991

Current job, current position:

ME, GÉIK, Institute of Mathematics - master teacher

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

-

Experience in education

Time spent in education: 1991 –

Taught subjects in Hungarian:

- ***Computer geometry and graphics c. subject supervisor***
- ***Interactive CAD/CAM systems c. subject supervisor***
- ***CAD systems c. subject lecturer and practice leader***
- ***Technical documentation c. subject lecturer and practice leader***
- ***Representational geometry c. subject supervisor***
- ***Basics of CAD c. subject lecturer and practice leader***
- ***Introduction to CAD c. subject supervisor***
- ***Basics of technical representation c. subject lecturer and practice leader***
- ***Geometric modeling c. subject supervisor***

Subjects taught in a foreign language:

- ***Geometric modeling***

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

- ***Bancsik, Zs., Lajos, S., Juhász I.: Ábrázoló geometria kezdőknek, elektronikus jegyzet, http://iamo35.inf.unideb.hu/mobidiak/listdocument.mobi?id=100, 2004., 215p.***
- ***Juhász I., Lajos S.: Számítógépi grafika és geometriai modellezés, Foglalkoztatáspolitikai és Munkaügyi Minisztérium, Humánerőforrás-fejlesztés Operatív Program, HEFOP 3.3.1-2004-06-0012., Miskolc, 2005., 154 p.***
- ***Juhász I., Lajos S.: Számítógépi grafika és geometriai modellezés, szakmérnöki jegyzet, Foglalkoztatáspolitikai és Munkaügyi Minisztérium, Humánerőforrás-fejlesztés Operatív Program, HEFOP 3.3.1-2004-06-0012., Miskolc, 2006., 151 p.***
- ***Bancsik, Zs., Juhász, I., Lajos,S.: Ábrázoló geometria szemléletesen, elektronikus könyv, http://iamo35.inf.unideb.hu/mobidiak/listdocument.mobi?id=154, 2007., 609 p.***
- ***Juhász I., Lajos S.: Számítógépi grafika, Foglalkoztatáspolitikai és Munkaügyi Minisztérium, Humánerőforrás-fejlesztés Operatív Program, HEFOP-3.2.2-P.-2004-10-0011-/1.0, Miskolc, http://193.6.8.43/segedlet/dokumentumok/Szamitogepi_grafika.php, 2007. 102 p.***

Name: *Viktor Lates*	Year of birth: *1974*

Education, diploma issued by, in:

Certified mechanical engineer, University of Miskolc, 1997

Certified economist, University of Miskolc, 2000

Management Financiere et Relations Bancaires, ESC Rouen, 2002

Current job, current position:

University of Miskolc, Faculty of Economics - master teacher

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

-

Experience in education

In Hungarian: Management knowledge I. and II., Information management, Company management I. and II. Organization, Team management, Production management, Production and service systems, SAP Business administration, SAP Resource administration, Organization of company information systems, Information management, Information systems and SAP administration , Management of production systems

In English: SAP Business Administration, Production Management

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):,

SAP ERP alapfolyamatok kezelése, jegyzet, Miskolc 2013

Szoftverüzemeltetői ismeretek. Miskolc, 2008. 04 10. Miskolci Egyetem Felnőttképzési Regionális Központ. 24-27. p.

SAP üzleti adminisztráció Oktatási segédlet. Írta: Dominik Heere, Győrffy Ildikó, --. Miskolc : [ME GTK], 2009. 84 p.

Kompetenciafejlesztés SAP támogatással. Írta --. – Harangozó Zsolt. In: Magyar Minőség, XX. évf. 2011. 5. sz. 72-78. p. HU ISSN 1789-5510

Az információs rendszerek biztonsága; A II. Országos Közgazdaságtudományi Doktorandusz Konferencia előadásai (Az előadás 2003. május 28.-án hangzott el, Lillafüreden) pp. 262-269

Name: *Dr. Zsolt Maros*	Year of birth: *1957*

Education, diploma issued by, in:

mechanical engineer, University of Miskolc. 1981

Current job, current position:

Institute of Manufacturing Science, Faculty of Mechanical Engineering and Informatics, University of Miskolc – associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD Mechanical Engineering Sciences, 2011

Experience in education

Production Engineering since 2014
Basics of Production Engineering since2010
Manufacturing Processes and Systems since 2012
Technological Process Planning since 2010
Non-traditional Manufacturing Technologies since 2010
Technology Proper Design since 2005
Technological Systems since 2006
Project Task since 2006
Machine Industrial Measurements 1992-1998
Assembly 1992-1998

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

1. ***Krisztina, Kun-Bodnár ; Zsolt, Maros: Some characteristics of surfaces machined with abrasive waterjet turning, POLLACK PERIODICA: AN INTERNATIONAL JOURNAL FOR ENGINEERING AND INFORMATION SCIENCES 17 : 2 pp. 70-74. , 5 p. (2022)***
2. ***Maros, Zs.: Machining of different materials with abrasive waterjet cutting, IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING 448 : 1 Paper: 012009 (2018)***
3. ***Maros, Z ; Felhő, C ; Vass, Z ; Maros, MB: Application of 2D-3D surface geometrical features in tribological analysis of ceramics and ceramic layers, MATERIALS SCIENCE FORUM 812 pp. 435-440. , 6 p. (2015)***
4. ***Maros, Z: Effect of load energy on the form of the gap at waterjet cutting, KEY ENGINEERING MATERIALS 581 pp. 304-309. , 6 p. (2014)***
5. ***Geiger, M ; Kach, A ; Hohenstein, R ; Maros, Z: Fuzzy-logic based knowledge representation for water jet cutting for light-weight composites, MACHINING SCIENCE AND TECHNOLOGY 7 : 3 pp. 349-360. , 12 p. (2003)***

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :

2014-2022 director of Institute of Manufacturing Science
2013-2017 deputy dean of Faculty of Mechanical Engineering and Informatics

Name: *Ferenc Mogyoródy*	Year of birth: *1964*
Education, diploma issued by, in:	
MSc in Chemist and English-Hungarian translator, KLTE, 83/1989.	
Current job, current position:	
senior lecturer, AVK University of Miskolc	
Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)	
Ph.D.	
Experience in education	
I have been in higher education in Miskolc since 1992 ***At AVK, I am a subject registrar for the Applied Chemistry and Transportprocesses SH subject*** ***At AVK, I am a subject clerk for the Wate Mangement SH subject*** ***At AVK, I am a subject registrar for the Inorganic Chemical Technology SH subject*** ***In the 2000s, I held a Pre course for Mechanics in Chemistry and General Chemistry for first-year students.***	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
a) Publications focusing on main research field (max. 5 typical publications):, **b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :** ***Kiváló Oktató diploma 2022-ben***	

Name: *Dr. Zoltán Musinszki*	Year of birth: *1976*

Education, diploma issued by, in:

Economist, University of Miskolc, Faculty of Economics, 1999

Certified accountant, 1999

Current job, current position:

University of Miskolc, Faculty of Economics - deputy dean, Institute of Economics - institute director, associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD, University of Miskolc, Doctoral School of Business Theory and Practice, Business and Organizational Sciences, 2010

Experience in education

Subjects taught: Managerial accounting, Basics of controlling, Financial and cost controlling, Analysis of financial statements, Advanced managerial accounting, Controlling, Resource controlling, Production controlling, Cost controlling, Management control of public service organizations, Management control, Strategic management accounting, Development and evaluation of controlling systems, Development history of controlling systems and development

Time spent in education: 23 years

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

1. ***Musinszki, Zoltán ; Nácsa, Csaba: Kontroller feladatok és kompetenciák – egy munkaerőpiaci felmérés eredményei ÉSZAK-MAGYARORSZÁGI STRATÉGIAI FÜZETEK 18 : Klnsz pp. 126-135. , 10 p. (2021)***
2. ***Zoltán, Musinszki ; Gábor, Mélypataki ; Noémi, Hajdú: Working Time and the Controller, In: Clare, Novat (szerk.) Proceedings of The International Conference on New Trends in Management, Business, and Economics Bécs, Ausztria : Diamond Scientific Publishing (2021) pp. 170-181. Paper: 208 , 12 p.***
3. ***Musinszki, Zoltán: A MEZŐGAZDASÁGI TEVÉKENYSÉG KÖLTSÉG- ÉS TELJESÍTMÉNYKONTROLLJA Budapest, Magyarország : Saldo Pénzügyi Tanácsadó és Informatikai Rt. (2019) , 131 p. ISBN: 9789636385743***
4. ***Musinszki, Zoltán ; Süveges, Gábor Béla: STRATEGIC DECISION-MAKING SUPPORTED BY TRADITIONAL FINANCIAL INDICATORS ORADEA JOURNAL OF BUSINESS AND ECONOMICS 4 : 1 pp. 29-37. , 9 p. (2019)***
5. ***Musinszki, Zoltán: Ipar 4.0 – költségrendszer 4.0?: Innovációk a költségrendszerekben, CONTROLLER INFO 4 : 3 pp. 2-9. , 8 p. (2016)***

b) Any other scientific/research achievement, patents, etc:

- ***Ágnes, Horváth, Adrienn Takács Papp, Katalin Lipták, László Molnár, Klára Szűcs Markovics, Manafi Ioana, and Zoltán Musinszki. 2022. "Decarbonisation and Financial Performance of Energy Companies." AMFITEATRU ECONOMIC 24 (61): 701–719. doi:10.24818/EA/2022/61/701.***

- *Lipták, Katalin, and Zoltán Musinszki. 2022. "Impact of Teleworking on Shopping Habits during the COVID-19 Pandemic in Hungary." JOURNAL OF INTERNATIONAL STUDIES 15 (3): 186–200.*
- *Barański, Michał, Gábor Mélypataki, Zoltán Musinszki, and Katalin Lipták. 2021. "HOME OFFICE OPPORTUNITIES IN SME'S IN BACK OFFICE." ACTA ACADEMICA KARVINIENSIA 21 (1): 5–14. doi:10.25142/aak.2021.001.*
- *Musinszki, Zoltán, Magdolna Vallasek, Gábor Mélypataki, Csolák Erika Horváthné, and Katalin Lipták. 2020. "Workaholism and a New Generation – Labour Market Survey among Hungarian and Romanian Youth." AMFITEATRU ECONOMIC 22 (14): 1227–1242. doi:10.24818/EA/2020/S14/1227.*
- *Viktor, Molnár, Musinszki Zoltán, and Faludi Tamás. 2018. "AHP-Based Decision-Making Model for Supply Chain Coordination by a Modified Revenue-Sharing Contract Type." WSEAS TRANSACTIONS ON BUSINESS AND ECONOMIC 15 (2018): 273–281.*

c) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards:

- *University of Miskolc, Faculty of Economics deputy dean (2014-),*
- *professional/financial management of tenders, controlling work experience (1999-2014),*
- *Controller Info professional magazine (MTA class IX classification C and D), member of the editorial board, (2013-),*
- *MAB Doctoral Accreditation College, member (2020-),*
- *MAB Quality Assurance and Development Committee, member (2018-2020),*
- *MAB expert activity (institution accreditation: visiting committee memberships; doctoral school: visiting committee memberships, review of visitor committee reports; review of specialist lecturer) (2017-),*
- *OTDT Professional Committee for Economics, member (2017-)*
- *XXXI-XXXIV OTDK, Section of Economics, Accounting, Controlling jury president (2021), jury member, (2013, 2015, 2017, 2019),*
- *Management and Controlling Association, member, MCE Teaching Working Group member (2016-)*

Name: *Dr. Károly Nehéz*	Year of birth: *1974*

Education, diploma issued by, in:

mechanical engineer, University of Miskolc, 1997

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Informatics – associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD, IT Sciences, University of Miskolc, 2003

Experience in education

Taught subjects: Technical communication, Construction of information systems, Computer technology, Integration of information systems

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

c) Publications focusing on main research field (max. 5 typical publications):,

1. ***Király, S., Nehéz, K., & Hornyák, O. (2017). Some aspects of grading Java code submissions in MOOCs. Research in Learning Technology, 25.***

2. ***Szabó, N. P., Nehéz, K., Hornyak, O., Piller, I., Deák, C., Hanzelik, P. P., ... & Ott, K. (2019). Cluster analysis of core measurements using heterogeneous data sources: An application to complex Miocene reservoirs. Journal of Petroleum Science and Engineering, 178, 575-585.***

3. ***Agárdi, A., Nehéz, K., Hornyák, O., & Kóczy, L. T. (2021). A Hybrid Discrete Bacterial Memetic Algorithm with Simulated Annealing for Optimization of the Flow Shop Scheduling Problem. Symmetry, 13(7), 1131.***

4. ***Váradi, C., Nehéz, K., Hornyák, O., Viskolcz, B., & Bones, J. (2019). Serum N-glycosylation in Parkinson's disease: a novel approach for potential alterations. Molecules, 24(12), 2220.***

d) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :
Application for extracting and displaying the entire content of selected drawing shapes, patent, 2018, Submission number: P1800403

Name: *Dr. Gábor Pszota*	Year of birth: *1977*

Education, diploma issued by, in:

Physicist and English translator, University of Debrecen, 2000

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics - associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (physics) 2008 (Purdue University, USA)

Experience in education

2001-2008 Purdue University, USA

- ***mechanics and electromagnetism practice and laboratory (Department of Physics)***
- ***multivariable differential and integral calculus practice (Department of Mathematics)***

2008-2011 Wooster School and Brunswick School, USA

- ***high school physics and mathematics***

2011- University of Miskolc, GÉIK, Institute of Physics and Electrical Engineering

- ***Physics I-II internship (earth science, technical manager, IT engineer, electrical engineer)***
- ***Physics I-II lecture (technical manager, IT engineer, electrical engineer)***
- ***General Physics I-II practice (mechanical engineering, mechatronics)***
- ***Electrodynamics (electrical engineer MSc correspondence)***
- ***ERASMUS: Mechanics and Thermodynamics, Electromagnetism and Optics***

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):,

1. ***Pszota, G., Zhang, H., Yuan, F., Cui, W.: Origin of X-ray emission from transient black hole candidates in quiescence. 2008, MNRAS, 389, 423***
2. ***Pszota, G. & Cui, W. Modeling the Accretion Disk X-ray Continuum of Black Hole Candidates. 2007, ApJ, 663, 1201***
3. ***Pszota G. & Majár J.: Twin paradox for a realistically accelerating space travel, Multidiszciplináris tudományok, 9. kötet. (2019) 4 sz. pp. 250-260***
4. ***Pszota Gábor: Determination of the drag coefficient by analysing the trajectory of a football, Multidiszciplináris tudományok, 10. kötet.(2020) 4 sz.pp. 92-103***

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :

- ***Data analysis of XMM-Newton, INTEGRAL, RXTE satellites, spectrometry***

Name: *Dr. Andrea Sáfrányné Gubik*	Year of birth: *1977*

Education, diploma issued by, in:

Economics teacher (business skills), Faculty of Arts, 2020

Economist in area and settlement development specialist, University of Miskolc, Faculty of Economics, 2010

Economist with a degree in law, University of Miskolc, Faculty of Law, 2003

Certified economist, University of Miskolc, Faculty of Economics, 2001

Chartered Accountant, Hungarian Industrial Association Education Center, 1999

Current job, current position:

Faculty of Economics, Institute of Economic Theory and Methodology - associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (Management and organizational sciences) 2008

Experience in education

Time spent in education 20 years. Taught subjects:

- ***Research methodology: compulsory subject, for full-time and correspondence MBA students, subject notary***
- ***Research methodology: compulsory subject, full-time and correspondence economics for MSc students, subject clerk***
- ***Research methods in criminology: compulsory subject, correspondence department Criminology MA course***
- ***International qualitative analyses: compulsory subject, full-time and correspondence economics for MSc students, subject clerk***
- ***International economics: international economics course in English, for full-time economists and foreign scholarship students, internship leader***
- ***International economics: compulsory optional subject for economics students, subject coordinator for correspondence department, internship supervisor for full-time department***
- ***Macroeconomics of open economies: compulsory subject, full-time and correspondence course economics for MSc students, internship leader***
- ***Macroeconomics: compulsory subject, for full-time economists and foreign scholarship students, subject notary***
- ***Microeconomics: compulsory subject, for full-time economists and foreign scholarship students, subject notary***
- ***Microeconomics: compulsory subject, for full-time economics students, course coordinator, practice leader***
- ***Basics of Economics/Introduction to Economics I, II.: compulsory subjects for full-time and correspondence students, Faculty of Government and Law, Faculty of Humanities, Faculty of Mechanical Engineering and IT, subject registrar***

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):,

1. ***Andrea, S. Gubik: Entrepreneurial career: Factors influencing the decision of Hungarian students. ENTREPRENEURIAL BUSINESS AND ECONOMICS REVIEW 9. : 3. pp. 43-58. , 16 p. (2021)***
2. ***S Gubik A, Sass M, Szunomár Á: Asian Foreign Direct Investments in the Visegrad Countries, DANUBE: LAW AND ECONOMICS REVIEW 11: (3) pp. 239-252., 2020; doi:10.2478/danb-2020-0014 DOI: http://doi.org/10.2478/danb-2020-0014***

3. *Bartha Zoltán, Sáfrányné Gubik Andrea, Bereczk Ádám: The Social Dimension of the Entrepreneurial Motivation in the Central and Eastern European Countries, ENTREPRENEURIAL BUSINESS AND ECONOMICS REVIEW 7: (1) pp. 9-27., 2019; doi:10.15678/EBER.2019.070101*
4. *Sass M, Szunomár Á, Gubik A, Kiran S, Ozsvald É: Employee relations at Asian subsidiaries in Hungary, INTERSECTIONS: EAST EUROPEAN JOURNAL OF SOCIETY AND POLITICS 5: (3) pp. 23-48., 2019; doi:10.17356/ieejsp.v5i3.562*
5. *Erzsébet, Nováky ; Andrea, S. Gubik: Handling Uncertainty in Futures Studies. In: Finszter, Géza; Sabjanics, István (szerk.) Security challenges in the 21st century. Budapest, Magyarország : Dialóg Campus Kiadó (2018) 823 p. pp. 501-525. , 25 p.*

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :

Scientific research projects

1. *Pallas Athéné Innovation and Geopolitics Foundation "Asian direct capital investments in Hungary" (2019)*
2. *OTKA K-109839 "Entrepreneurship ideas of young Hungarians and the possibility of incentives" (2013-2016)*
3. *21310034 IVF "Patterns of business internationalization in Visegrad countries - in search for regional specifics" (2013-2014)*
4. *OTKA K-76870 "Globalization and institutional changes, Hungary's strategies for adapting to the world economy" (2009-2013)*
5. *FKFP 0015/2002. "The micro-integration of global companies and domestic SMEs in the cross-border relations of Northern Hungary, in connection with the eastern expansion of the EU" ((2002-2010)*
6. *30810004-IVF "Strengthening the educational and scientific collaboration among Faculties of Economics within V4 and countries of South Eastern Europe" (2008-2010)*
7. *OTKA 043149 "Globalization - EU integration. Hungary's catch-up strategies" (2004-2006)*
8. *OTKA 029862 "New trends in globalization theories - globality and sustainable development" (1999-2002)*
9. *OTKA 022799 "The experiences and prospects of agricultural integration in our country and the EU, with particular regard to the changing social conditions" (1997-2001)*

Scientific and professional public activity

1. *Hungarian Academy of Sciences, Hungarian Academy of Sciences IX. department Statistics and Futures Research Committee, elected member, secretary*
2. *Hungarian Academy of Sciences, Miskolc Territorial Committee, Economics Committee, board member, secretary*
3. *Hungarian Academy of Sciences, Miskolc Territorial Committee, Economic Theory and Methodology Working Committee, member*
4. *Member of the Hungarian Academy of Sciences, Miskolc Territorial Committee, Human Resources Working Committee,*
5. *Hungarian Association of the Club of Rome, TT30, member*
6. *Hungarian Economic Society, member*
7. *ERENET (Entrepreneurship Research and Education Network of Central European Universities), member*
8. *Hungarian Association of Area and Settlement Developers, member*
9. *College of Humanities and Social Sciences of the National Research, Development and Innovation (NKFI) Office, jury member*
10. *Faculty Scientific Student Council, member*

Awards, recognitions

2021 – Excellent Diploma in Counseling
2020 – Outstanding Researcher of the University of Miskolc
2020 – Outstanding scientific author of the University of Miskolc in 2020
2014 – BGF Science Award, technical article category
2008 – Scientific Prize, Miskolc Territorial Committee of the Hungarian Academy of Sciences
2007 – Laky Teréz Foundation Research Scholarship

Name: *Dr Samad Dadvandipour*	Year of birth: *1957*

Education, diploma issued by, in:

Mechanical Engineer, University of Miskolc, 1994.

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Information Science, Department of Information Engineering, Associate Professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD, Public member of the Hungarian Academy of Sciences (MTA)

Experience in education

Teaching Subjects (English):

The University of Miskolc, Hungary (from 2011 till now): Artificial Neural Network, Machine Learning, Digital Manufacturing, Enterprise Application Integration, Intelligent Vehicles, Modeling of Production Processes, Technical English; Artificial Intelligence, Production Control, and Scheduling, Computer Studies, Computer Aided Production Control.

The University of Tabriz and University of Azad (2004–2011): Mechatronics-I-II, Fundamentals of Manufacturing Systems; Mechanical Engineering and Manufacturing Technology, Computer Integrated Manufacturing Systems (CIM), Computer-Aided Design (CAD), Computer Aided Process Planning (CAPP), Information Technology (IT), Artificial Intelligence, Fuzzy Logics, CAD/CAM, Basics of Computer Engineering, Plasticity and Metal Forming, Technical English, Production Desing and Manufacturing, Solid Mechanics, Fluid Mechanics); Manufacturing Control, Manufacturing Desing.

The University of Miskolc, Hungary (2000-2004): Artificial Intelligence; Artificial Neural Networks and Neuro-Fuzzy; Material Science, Computer Integrated Manufacturing, Information Science.

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

1. *Samad Dadvandipour, Samad Nadimi Bavil Oliaei, Bahram Lotfi Sadigh Szerk.: Samad Dadvandipour, Szerk.: Samad Nadimi Bavil Oliaei, Szerk.: Bahram Lotfi Sadigh: An Ontology-Based Semantic Machine Tool Selection for Multi-Scale Wire EDM Processes, Athens: Trans Tech Publications, 8 p. (Solid State Phenomena (Volume 261)) IX. Precision Machining. (2017)*
2. *Dadvandipour Samad: Experimental Applications of Artificial Neural Networks in Engineering Processing System, REVIEW OF FACULTY OF ENGINEERING ANALECTA TECHNICA SZEGEDINENSIA 8: (2) pp. 28-33. pp. 28-33. (2014)*
3. *Dadvandipour Samad: DETAILED ANALYZING OF SMALL COMPONENTS IDENTIFICATION USING IMAGE CAPTURING PROCESS SYSTEM (S093), In Applied Computing 2012 Proceedings of the IADIS International Conference Applied computing. Lisszabon: IADIS Press, 2012. pp. 375-379. (2012)*
4. *Samad Dadvandipour, N' Khalili Dizaji, S Rosshan Entezar: An approach to optimize the proportional-integral-derivative controller system. In: Szerk.: Proceedings of the 16th International Carpathian Control Conference. Miskolc: IEEE IAS/IES/PELS, 2015. pp. 95-99. (2015)*
5. *Dadvandipour Samad, Nadimi S. Boveli: On the Experimental Study of Electric Discharge Machining (EDM) of P20 Type Tool Steel. Proceedings of the IEEE 11th International Symposium*

on Applied Machine Intelligence and Informatics (SAMI 2013). Budapest: IEEE Hungary Section, 2013. pp. 245-248. (2013)

6. *Owais Mujtaba Khanday, Samad Dadvandipour: Analysis of machine learning algorithms for character recognition: a case study on handwritten digit recognition, Indonesian, Journal of Electrical Engineering and Computer Science Vol. 21, No. 1, January 2021, pp. 574~581 ISSN: 2502-4752, DOI: 10.11591/ijeecs.v21.i1. pp574-581.*
7. *Samad Dadvandipour, Yahya Layth Khaleel: "Application of deep learning algorithms detecting fake and correct textual or verbal news," DOI: https://doi.org/10.32968/psaie.2022.2.4.*

b) Any other scientific/research achievement, patents, etc:

Research Activities:

- *Machine Learning;*
- *Artificial Neural Networks in different fields;*
- *Image Processing System (IPS);*
- *Image Processing System and Neural Networks;*
- *Electro-Discharge Machining Processing (EDM);*
- *Integration of CAPP and CAPC in Discrete Manufacturing Systems;*
- *Optimization of Total Cost of Turning Processes using Design and Mathematical Analysis;*
- *Design and Manufacturing of TI-135 Type Truck Exhaust and Intake Pipes Using CAD/CAM Systems;*
- *Simulation and Optimization of Non-Linear Motion of Four-Axis Scara Robot;*
- *Experimental Process of EDM (Electro-Discharge Machining) with different kinds of electrodes.*

Projects Activities:

- *Solving Some Optimization Problems of CAPP in CIM Environment (a Part of PhD-thesis);*
- *Notch Effect on The Reliability of Quasi-Static Loaded Structures (a Part of PhD-thesis);*
- *Analysing and Documenting of Simple and Complex Industrial Components Using Finite Element Method (Bay Zoltan Interior Project);*
- *Hungary-Turkey R&D Inter-governmental Project: Developing of CAQC Software for Elimination Turning Process Error;*
- *Hungary-Greece R&D Inter-governmental Project: Notch Effect in Engineering Structure;*
- *EU Inco-Copernicus Project: Hungary, Germany, Slovenia, and Belgium: Rapid Sheet Metal Product Development Chain by Laser Sintered Prototype Tool;*
- *Hungary-Germany R&D Inter-governmental Project: Abrasive Water Jet Cutting Systems in CAD/CAM Environment;*
- *TAMOP–4.2.1.B-10/2/KONV-2010-0001;*
- *MeMOOC project (TÁMOP-4.1.2. F-15/1-2015-0001);*
- *EFOP-3.6.1-16-2016-00011*
- *ERPA 2020-1.1.2-PIACI-KFI-2020-00165*
- *Faculty Coordinator and Reference for Stipendium Hungaricum Project, the University of Miskolc (from 2012-2021).*

c) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards:

Scientific Memberships:

1. *MTA–Hungarian Academy of Science, III. Mathematic Department, Computer Science and Information Technology Commission, Information Science {Focused on Computer Integrated Manufacturing System (CIM). Research areas: Production Information and Optimisation, Computer Aided Process Planning (CAPP), Neural Networks, Image Processing System (IPS) (www.mtakpa.hu/kta/kereso/list.php);*
2. *ASM International–American Society of Material Science (1989–2002) (www.asminternational.org);*
3. *ITCA–Information Technology Center of Azerbaijan, (ITC), (2002–2011) (www.iranu.com);*
4. *AAAS–American Association for the Advancement of Science (2006–) (http://www.aaas.org/).*

Name: *Dr. Ferenc Sarka*	Year of birth: *1977*

Education, diploma issued by, in:

Mechanical engineer (MSc), University of Miskolc, 2002

Current job, current position:

University of Miskolc, GÉIK, Institute of Machine and Product Design - associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (mechanical engineering sciences), 2015

Experience in education

in Hungarian: Mechanical drawing, Basic knowledge of mechanical engineering, Machine elements, Bearings, Mechanical engineering, VEM, Motor vehicles and mobile machines, Integrated product design (continuously since 2002).

in English: Design of Machine and Structures, History of technics (since 2021).

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

d) Publications focusing on main research field (max. 5 typical publications):,

1. ***Sarka, Ferenc: Examination of Bolt Connection with Finite Element Method, LECTURE NOTES IN MECHANICAL ENGINEERING, Vehicle and Automotive Engineering 4 pp. 212-222. , 11 p. (2022).***
2. ***Sarka, Ferenc ; Tőbis, Zsolt: Design Issues for Slot-Die Coating Heads - Case Study, IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING 1237 Paper: 012014 , 12 p. (2022).***
3. ***Sarka, Ferenc at all: Test Method for Investigation of Reactive Loads on Gear Drives with Supporting Function, LECTURE NOTES IN MECHANICAL ENGINEERING 22 pp. 265-272. , 8 p. (2021)***
4. ***Sarka Ferenc: The use of the linear sliding wear theory for open gear drives that works without lubrication, Solutions for Sustainable Development : Proceedings of the 1st International Conference on Engineering Solutions for Sustainable Development, (ICESSD 2019).***
5. ***Sarka, Ferenc: Cost Reduction of Manufacturing and Assembly - Case Study, SOLID STATE PHENOMENA 261 pp. 495-502. , 8 p. (2017)***

e) **Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :**

1. ***2015: Technical opinion on screw joints. (Jabil), Investigation of stresses and deformations in bus chassis. (S&G Solution), Design and manufacture of a delivery tool for a hollow chocolate figure. (Nestlé), Design and production of an insertion tool for a hollow chocolate figure. (Nestlé), Design and production of a shiny channel for a hollow chocolate figure. (Nestlé), Technical expert opinion on the positional tolerance of components. (Jabil).***
2. ***2017: Automotive starter motor gear wear test, SEGA.***
3. ***2018-2019: Rába gear drive development (GINOP), RÁBA, Győr.***

4. *2019: Static analysis of a rotary drum furnace, MOL, Százhalombatta, Analysis of gear failure, MOL-Petrolkémia, Tiszaújváros*
5. *2020-2021: Design of a film stretching machine for the production of holographic images (GINOP) Holotech Hungary, Vác.*

Name: *Dr. Róbert Skapinyecz*	Year of birth: *1983*

Education, diploma issued by, in:

MSc in Transportation engineering, Budapest University of Technology and Economics, 2009

Current job, current position:

Institute of Logistics, Faculty of Mechanical Engineering and Informatics, University of Miskolc - associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD in Information Science and Technology (2018), title of dissertation: Management of risk factors in logistics networks

Experience in education

13 years of edaucational experience in the following courses:

- ***engineering specialization level: Safety technology for material handling and storage***
- ***BSc level: Quality management of logistics, Transportation systems, Logistics of services, Technical logistics, Industry 4.0 in engineering practice, Material handling systems, Storage systems, Operation of material handling equipment, Material handling systems in the energy industry, Logistics systems, Logistics***
- ***MSc level: Quality management of logistics systems, Quality management in logistics, Logistics processes, Design and control of logistics systems, Control and automation of logistics systems, Service logistics, Logistics of maintenance, Information flow in logistics systems, Design of material handling and storage systems, Transport-forwarding-transportation, Production and service logistics processes, Logistics systems and equipment***

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

1. *Skapinyecz, Róbert. "Possibilities of application of modern traffic simulation and planning software in education and research." Advanced Logistic Systems-Theory and Practice 14.2 (2020): 15-20.*
2. *Róbert, Skapinyecz, and Erdei László. "Korszerű közlekedésszimulációs-és-tervező szoftverek alkalmazási lehetőségei az oktatásban és a kutatásban: Possibilities of application of modern traffic simulation and planning software in education and research." Nemzetközi Gépészeti Konferencia–OGÉT (2021): 243-246.*
3. *Erdei, László, and Róbert Skapinyecz. "Examination of a road intersection using state of the art traffic simulation software." Advanced Logistic Systems-Theory and Practice 15.2 (2021): 13-20.*
4. *Illés, B., Tamás, P., Dobos, P., & Skapinyecz, R. (2017). New challenges for quality assurance of manufacturing processes in industry 4.0. In Solid State Phenomena (Vol. 261, pp. 481-486). Trans Tech Publications Ltd.*
5. *Dobos, P., Cservenák, Á., Skapinyecz, R., Illés, B., & Tamás, P. (2021). Development of an Industry 4.0-Based Analytical Method for the Value Stream Centered Optimization of Demand-Driven Warehousing Systems. Sustainability, 13(21), 11914. IF = 3.251*

b) Any other scientific/research achievement, patents, etc:

Participation in research projects:

- ***UMi-TWINN project (H2020)***
- ***" Younger and Renewing University – Innovative Knowledge City – institutional development of the University of Miskolc aiming at intelligent specialisation" EFOP-3.6.1-16-2016-00011 project***
- ***"Higher Education Institutional Excellence Program " project***
- ***Smart HEI-Business Collaboration for Skills and Competitiveness (HEIBus) 575660-EPP-1-2016-1-FI-EPPKA2-KA 2016.11.01.-2019.10.30.***
- ***Establishment and operation of MeMOOC online training center in English and Hungarian (TÁMOP-4.1.2.F-15/1/2015-0001)***
- ***Development of a multifunctional loader family (GOP-1.1.1.-11-2012-0081)***
- ***Cooperation in Higher Education and Research in the Automotive Industry (TÁMOP-4.1.1.C12/1/KONV-2012-0002) project***
- ***„Coordinated quality development of scientific training workshops at the University of Miskolc" (TÁMOP 4.2.2/B-10/1-2010-0008) project***
- ***Research on the development of regional virtual logistics networks within the framework of the Center of Excellence of Mechatronics and Logistics (TÁMOP-4.2.1.B-10/2/KONV-20100001)***

Participation in the development of educational materials of the following courses:

- ***Transportation systems (BSc course)***
- ***Quality management of logistics systems (MSc course)***
- ***Quality management in logistics (MSc course)***
- ***Basics of logistics (MeMOOC course)***
- ***Basics of logistics (MeMOOC course in English)***
- ***Safety technology for material handling and storage (engineering specialization course)***

c) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards:

2021-: associate professor, Institute of Logistics, Faculty of Mechanical Engineering and Informatics, University of Miskolc

2020-: member of the Hungarian Association of Logistics, Purchasing and Inventory Management (HALPIM, or MLBKT in Hungarian)

Name: Judit Somogyiné Dr. Molnár	Year of birth: 1986

Education, diploma issued by, in:

Electrical engineer, University of Miskolc, 2017

Environmental geophysical engineer, University of Miskolc, 2009

Current job, current position:

Department of Electrical and Electronic Engineering, Institute of Physics and Electronic Engineering, University of Miskolc - Associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (natural sciences), University of Miskolc, 2013

Experience in education

taught courses: Electromagnetic Theory I. (BSc), Electromagnetic Theory II. (BSc), Electromagnetic Theory III. (BSc), Electrical engineering (BSc), Electrical engineering-electronics (BSc), Basics of Geoinformatics (BSc), Geoinformatics (BSc), Engineering geophysics (MSc), Chapters from continuum physics (PhD)

time spent in education: 13 years

education in foreign language (English): Electrical Engineering (ERASMUS course)

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):,

1. Fancsik Tamás, Turai Endre, Szabó Norbert Péter, Somogyiné Molnár Judit, Dobróka Tünde Edit, Dobróka, Mihály: Evaluation of induced polarization measurements using a new inversion method. ACTA GEODAETICA ET GEOPHYSICA 56:(4) pp. 623-643 (2021)

2. Bodnár István, Somogyiné Molnár Judit, Szabó Norbert, Erdősy Dániel, Boros Rafael Ruben: BLDC motorok elektromágneses sugárzásának mérésére alkalmas labor kialakítása. MULTIDISZCIPLINÁRIS TUDOMÁNYOK 10:(1) pp. 26-35 (2020)

3. Bodnár István, Tóth, Lajos, Somogyiné Molnár Judit, Szabó Norbert, Erdősy Dániel, Boros Rafael Ruben: Examination the effect of environmental factors on a photovoltaic solar panel. In: Szita Tóthné, Klára; Jármai, Károly; Voith, Katalin (szerk.) Solutions for Sustainable Development: Proceedings of the 1st International Conference on Engineering Solutions for Sustainable Development, pp. 108-114 (2019)

4. Somogyiné Molnár Judit: Komplex mérő-adatgyűjtő-feldolgozó szoftver fejlesztése LabVIEW-ban az akusztikus hiszterézis vizsgálatára. VILLAMOSMÉRNÖKI TUDOMÁNYOK 1:(1) pp. 173-180 (2018)

5. Somogyiné, Molnár Judit: Development of new complex software for investigating acoustic velocities under pressure. GEOSCIENCES AND ENGINEERING 5:(8) pp. 135-146 (2016)

b) ***Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards:*** **:**

Scholarships: Pál Erdős Young Researcher Scholarship- National Excellence Program (2014), Campus Hungary short field trip scholarship (2013), Predoctoral scholarship - TÁMOP-4.2.2/B-10/1-2010-0008 (2012)

Honours and awards: Award of Program Zenó Terplán of year 2016/17 (2017), MAB István Szentpáli Scientific Award (2013), Memorial award of the Association of Hungarian Geophysicists (2013), Meeting of Young Scientists, theoretical category - 1st award (2011),

Courses: Site Management and Website Development course, Miskolc (22-30/05/2014), Modern methods of the interpretation of well logging data, short course, Miskolc (26-27/08/2013), MALA Training Course of GPR, Miskolc (07-09/12/2010)

Projects supported by the EU: EFOP-3.6.1-16-2016-00011 (2019), GINOP-2.2.1-15-2017-00090 (2018-2019), TÁMOP-4.2.2.D-15/1/KONV-2015-0030 (2015), OTKA K109441 (2013-2015), TÁMOP-4.2.2.A-11/KONV-2012-0049 (2013-2015), TÁMOP-4.2.2.A-11/1/KONV-2012-0005 (2013-2014), TÁMOP-4.2.1.B-10/2/KONV-2010-0001 (2011-2012)

Memberships: MTA MAB Mechanical and Informatics Committee, Electrical Engineering and Information Technology Working Committee (2017-), Hungarian Academy of Sciences, X. Section of Earth Sciences - Public Board member (2013-), European Association of Geoscientists and Engineers - Member (2010-), Association of Hungarian Geophysicists - Member (2010-)

Name: *Dr. Balázs Szabó*	Year of birth: *1986*
Education, diploma issued by, in:	
lawyer, University of Miskolc, 2010	
Current job, current position:	
University of Miskolc, Faculty of Law - 2011- : assistant lecturer	
Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)	
PhD (2020)	
Experience in education	
Public Administration Law 1.-4. (including exercises), Intermediate Technology, Public Administration Management and Organization, Management and Organizational Knowledge, European Public Administration, Legal Informatics, Introduction to IT, Electronic Public Administration, Information Communication Law, Regulation of Logistics Systems,	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
a) Publications focusing on main research field (max. 5 typical publications):, *https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10039484* **b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :** ***Rector's Commendation, Nimród Medal of Merit***	

Name: *Dr. Szabolcs Szentesi*	Year of birth: *1990*

Education, diploma issued by, in:

Technical Manager Engineer BSc, University of Miskolc, 2013

Logistics Engineer MSc, University of Miskolc, 2015

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Logistics, Senior lecturer

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (information sciences) 2021.

OPPORTUNITIES FOR OPTIMAL DEVELOPMENT OF SUPPLY CHAINS IN COMMISSION SALES COMPANIES PRODUCING FOOD SUPPLEMENTS

Experience in education

Material flow and storage systems, Planning of material handling and storage systems, Material handling machines, Material handling machines and systems, Procurement and distribution logistics processes, Energetic material handling systems, Global logistics, Maintenance logistics, Lean logistics, Lean logistics, Logistics, Basic knowledge of logistics, Logistics processes, Simulation of logistics processes, Logistics systems, Information flow of logistics systems, Quality assurance of logistics systems, Quality assurance of logistics systems, Mechatronics in material flow, Quality assurance in logistics, Quality assurance logistics, Technical logistics, Recycling logistics processes, Delivery processes, Service logistics, Logistics of services, Production and service logistics, Production logistics

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):,

a. *SZENTESI, SZ.; ILLÉS, B.; CSERVENÁK, Á., SKAPINYECZ, R., TAMÁS, P.: Multi-Level Optimization Process for Rationalizing the Distribution Logistics Process of Companies Selling Dietary Supplements, PROCESSES, Volume 9 (9), pp.:1480, 27 p., IF: 2,847, (2021).*
b. *SZENTESI, SZ.; ILLÉS, B.; TAMÁS, P.: Mathematical description of the distribution logistics processes of consignment seller dietary supplement manufacturing companies; Journal of Production Engineering, Volume 24; pp.: 39-42., (2021).*
c. *SZENTESI, SZ.; TAMÁS, P.: Supplier selection methods os consignment seller dietary supplements manufacturing companies,; Transport and logistics: International Journal 17, pp.: 57-63., (2017).*
d. *SZENTESI, SZ.; TAMÁS, P.; ILLÉS, B.: Innovation Development of The Distribution Network of Consignment Seller Dietary Supplements Manufacturing Companies, Chapters from the Academic Aspect of Project Management Volume II : Research and Teaching Methodologies, PMUni - International Network for Professional Education and Research in Process and Project Management, pp.: 198-209., (2018).*
e. *SZENTESI, SZ.; TAMÁS, P.; ILLÉS, B.: Application of churchman-ackoff weighting method for procurement of consignment seller dietary supplements manufacturing companies, Academic Journal of Manufacturing Engineering 16, pp.: 33-37., (2018).*

Projects and Tenders in which I have been actively involved in the last 5 years: Erasmus+ ArtIST, H2020 Umi-Twinn, „Főnix ME" - Megújuló Egyetem EFOP-3.4.3-16-2016-00015

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :

Membership of the following professional organizations: MLBKT, MTA, MAB.

Name: *Dr. Erika Rozgonyi*	Year of birth: *1979*

Education, diploma issued by, in:

matematics and descriptive geometry teacher, Lajos Kossuth University, Debrecen, 2002

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Mathematics, Department of Descriptive Geometry - associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (IT Sciences) 2011

Experience in education

Lecture:

- ***Descriptive Geometry***
- ***Introduction to CAD***
- ***Differential equations***
- ***Mathematics I.,II., III.***

Practice:

- ***Basics of CAD***
- ***Descriptive Geometry***
- ***Introduction to CAD***
- ***Differential equations***
- ***Mathematics I.,II., III.***
- ***Economy mathematics***

Previous professional experience (direct professional - here e.g. acquired in teacher training or scientific, research and development, creative, artistic) and results

- ***Lectures on descriptive geometry at open days and events for high school students, 2020-***
- ***FŐNIX project: Development of the curriculum in mathematics, 2021***
- ***FŐNIX ME– Holding catch-up consultations in descriptive geometry (2020-)***
- ***TKP 2020-NKA projekt-"Smart Minerals": Mathematical modeling of waste utilization, 2021***
- ***Greek Catholic Gypsy College-mentoring activity 2012-***
- ***Head of community service at the Faculty of Mechanical Engineering and Informatics 2022-***

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects:

a) Publications focusing on main research field (max. 5 typical publications):

1. ***Szilvásiné Dr. Rozgonyi Erika: The Importance of Teaching Descriptive Geometry in Today's Engineering Courses, Vocational Teacher Training beyond the Curricula, Miskolc-Egyetemváros: Miskolci Egyetemi Kiadó, pp 109-116 (2020)***
2. ***Szilvásiné Dr. Rozgonyi Erika: Az ábrázoló geometria tanításának fontossága a mai mérnökképzés során, Szakmai tanárképzés – a tanterveken túl, Miskolc-Egyetemváros: Miskolci Egyetemi Kiadó, pp 112-119 (2020)***

Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards:

- ***MAB public body member,***
- ***KGE membership (Constructive Geometry Association, Debrecen),***
- ***Excellent teacher award, University of Miskolc, 2018***
- ***MAB- István Szentpáli Scientific award: outstanding research work, Hungarian Scientific Academy Miskolc Regional Committee, 2011***

Name: *Dr. Sándor Mátyás Szirbik*	Year of birth: *1975*

Education, diploma issued by, in:

Mechanical Engineer, University of Miskolc, Faculty of Mechanical Engineering, 1998

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Applied Mechanics - Associate Professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD in Mechanical Engineering Sciences, 2004

Experience in education

Subjects taught in Hungarian as a lecturer:

BSc level: **Statics, Mechanics of Materials, Dynamics, Dynamics of Machinery** ***(University of Miskolc, Hungary)***

MSc level: **Mechanical Vibrations, Dynamics of Structures, Nonlinear Vibrations, Finite Element Simulation in Dynamics** ***(University of Miskolc, Hungary)***

PhD level: **Nonlinear Vibrations** ***(University of Miskolc, Hungary)***

Teaching experience: 24 years

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

- ***Virág, Z., Szirbik, S.: Design and Mechanical Behavior of a Custom Adapter for Dimensional Stone Mining, Machines, 10(8) Paper: 683, 11 p. 2022. DOI: 10.3390/machines10080683***
- ***Virág, Z., Szirbik, S.: Modal Analysis of Optimized Trapezoidal Stiffened Plates under Lateral Pressure and Uniaxial Compression, Appl. Mech. 2(4), pp. 681-693, 2021. DOI: 10.3390/applmech2040039***
- ***Szirbik, S.: Hypersingular boundary integral formulations for plane orthotropic elasticity in terms of first-order stress functions, Journal of Computational and Applied Mechanics, 15(2), pp. 185–207, 2020. DOI: 10.32973/jcam.2020.011***
- ***Baksa, A., Ladányi, G., Szirbik, S., Virág, Z.: FEM stress analysis of a barrel reamer, New Trends in Production Engineering, 2(1), pp. 178-185, 2019. DOI: 10.2478/ntpe-2019-0018***
- ***Szirbik, S.: Hypersingular boundary integral formulations for plane elasticity in terms of first-order stress functions, Journal of Computational and Applied Mechanics, 11(1), pp. 49-66, 2016. DOI: 10.32973/jcam.2016.004***

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards:

Main Research Projects (as participant):

- ***OTKA T031998 – Principles and procedure for some special applications of the boundary element and finite element methods, Hungarian Scientific Research Fund (2002-2003)***
- ***OTKA T046834 – Finite element and boundary element methods with a special regard to the nonlinear theory of shells and the dual system of elasticity, Hungarian Scientific Research Fund (2004-2007)***

Name: *Dr. Klára Szűcsné Markovics*	Year of birth: *1979*

Education, diploma issued by, in:

Economist, University of Miskolc, Faculty of Economics, 2003
Chartered Accountant, András Fáy Vocational School of Economics, Miskolc, 1998

Current job, current position:

University of Miskolc, Faculty of Economics, Institute of Economics - associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD, University of Miskolc, Doctoral School of Business Theory and Practice, Business and Organizational Sciences, 2014

Experience in education

Taught subjects:

- ***In a foreign language: Scientific Problems of Business Economics***
- ***In Hungarian: Business Economics, Corporate Resource Management, Managerial Economics, Managerial Calculations, Controlling Methodology, Basics of Controlling, Economic Informatics, Database Management, Process and General Methodology of Consulting, Etiquette and Protocol, Negotiation Techniques, Facility Management, Analysis of Companies' Activities, Corporate Cost Management, Cost- and margin calculation, Corporate decision support and database management, Real estate management and marketing***

18 years of teaching experience.

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

1. ***Szűcsné Markovics Klára: Investment decision-preparation processes and their methodology, GlobeEdit, 2017***
2. ***Szűcsné Markovics Klára: Capital Budgeting Methods Used in Some European Countries and in the United States, UNIVERSAL JOURNAL OF MANAGEMENT 4: (6) pp. 348-360. 2016***
3. ***Illés Mária, Kádárné Horváth Ágnes, Szűcsné Markovics Klára: VÁLLALATI ERŐFORRÁSGAZDÁLKODÁS PÉLDATÁR, ME GTK, 2008.***
4. ***Klára Szűcs Markovics: Practical Issues with Decision Preparation of Facility Investments in the National Manufacturing Industry, THEORY METHODOLOGY PRACTICE: CLUB OF ECONOMICS IN MISKOLC 13: (02) pp. 71-81. 2016***
5. ***Szűcsné Markovics Klára: Competitiveness of domestic small and medium enterprises in the European Union, EUROPEAN INTEGRATION STUDIES 4: (1) pp. 13-24. 2005***

b) Any other scientific/research achievement, patents, etc:

- *2016 MTA MAB – General Scientific Award*
- *XXVI of 2003 National Scientific Student Conference, Economics section, Logistics department, II. place*

c) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards:

Institutional financial coordinator and financial countersigner of European Union projects:

- ***Project identification number EFOP-3.6.2-16-2017-00007 entitled "Aspects of the development of an intelligent, sustainable and inclusive society: social, technological, innovation networks in employment and the digital economy"***
- ***"Digital methods, toolbox and trainings for increasing customer innovation in SMEs" project ID number 2020-1-DE02-KA202-007397***

The professional leader of the trainings organized jointly with OFA Nonprofit Kft.:

- ***"Entrepreneurial skills for social enterprises" training***
- ***"Basic business skills for social cooperatives" training***

Name: *Dr. Ágnes Takács*	Year of birth: *1982*

Education, diploma issued by, in:

Mechanical engineer, University of Miskolc, 2005.

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Machine and Product Design, associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD, Doctor of Mechanical Engineering Sciences, 2010.

Experience in education

Subjects were taught in Hungarian: Machine studies, Mechanial drawing, Machine elements I. and II., Design methodology, Environmentally-friendly design, Complex design, Packaging technology, LEAN methods of product design

Subjects were taught in English: Conceptual Design

Years spent in education: 17 years

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) **Publications focusing on main research field (max. 5 typical publications):,**
   1. ***Takács, Á.: A koncepcionális tervezés módszerei és irányelvei, algoritmikus megoldási lehetőségei. In: GÉP. 2007. (58. évf.) 5-6. sz. ISSN 0016-8572. p. 62-70.***
   2. ***Takács, Á.: Számítógéppel segített koncepcionális tervezési módszer, doktori (PhD. disszertáció), 2009.***
   3. ***Takács, Á.: Computer Aided Concept Building, Solid State Phenomena 261., pp 402-407, ISSN 1662 9779, 2017.***
   4. ***Takács, Á.: Környezetszempontú ajánlások a koncepcionális tervezés során, GÉP, 68. évf., 4. sz., pp.:73-76, ISSN 0016-8572, 2017.***
   5. ***Takács, Á.: On design methodology, Design of Machines and Structures, ISSN 1785 6892, Vol 5., Nr. 2., pp: 55-59, 2015.***

b) **Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :**

Became a certified mechanical engineer in 2005. PhD. dissertacion defensee in 2010. Since 2005 as a doctoral student, since 2008 as a teaching assistant, then assistant professor and associate professor, I was involved in the educational, research and scientific work of the Institute of Machine and Product Design. Since 2012, I have been editing Design of Machines and Structures, the publication of the Faculty of Mechanical Engineering and Informatics of the University of Miskolc, as the secretary of the editorial board.

Name: *Dr. Péter Telek*	Year of birth: *1971*

Education, diploma issued by, in:

mechanical engineer, University of Miskolc, 1996

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Logistics - associated professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (engineering sciences) 2012

Experience in education

26 years education experience.

Main courses in Hungarian language: Material handling machines, Material handling machines and systems, Logistic machines and equipment, Maintenance logistics, Material flow systems, Logistic systems, etc.

Courses in English language: Material handling machines and systems, Computer design of material handling equipment, Material handling in manufacturing systems, Testing of material handling equipment.

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):,

1. ***Telek, P.: Equipment preselection for integrated design of materials handling systems. ADVANCED LOGISTIC SYSTEMS: THEORY AND PRACTICE 7 : 2 pp. 57-66. , 10 p. (2013)***
2. ***Telek, P.: Process-based planning of material handling in manufacturing systems. IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING 448 p. 012018 (2018)***
3. ***Telek, P.: Material handling model of production workplaces. ADVANCED LOGISTIC SYSTEMS: THEORY AND PRACTICE 16 : 1 pp. 51-62. , 12 p. (2022)***
4. ***Telek, P.: Role of workplace handling parameters in the material handling equipment selection. JOURNAL OF PRODUCTION ENGINEERING 25 : 1 pp. 53-58. , 6 p. (2022)***
5. ***Telek, P.: Process-Based Selection of Handling Equipment in the Automotive Production. LECTURE NOTES IN MECHANICAL ENGINEERING Vehicle and Automotive Engineering 4 pp. 397-411. , 15 p. (2022)***

Name: *Dr. Balázs Tóth*	Year of birth: *1982*

Education, diploma issued by, in:

MSc in Mechanical Engineering, University of Miskolc, 2006

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Applied Mechanics – associate professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD in Engineering Sciences, 2013

Experience in education

Subjects taught in Hungarian as a lecturer:

BSc level*: Statics, Mechanics of Materials, Dynamics, Engineering Mechanics I-II, Mechanics, Mechanics of Elastic Bodies, Finite Element Method *(University of Miskolc, Hungary)

MSc level:* Coupled Elasticity Problems, Strength of Materials *(University of Miskolc, Hungary)

PhD level:* Analytical Mechanics *(University of Miskolc, Hungary)

Subjects taught in English as a lecturer:

BSc level*: Mechanics of Materials, Dynamics, Finite Element Method *(University of Miskolc, Hungary)

MSc level:* Strength of Materials *(University of Miskolc, Hungary)

PhD level:* Analytical Mechanics *(University of Miskolc, Hungary)

Teaching experience: 16 years

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

1. ***Tóth, B.: Natural frequency analysis of shells of revolution based on hybrid dual-mixed hp-finite element formulation, Applied Mathematical Modelling, Vol. 98, pp. 722–746, 2021***
2. ***Tóth, B., Burmeister, D.: Dual-mixed hp-version axisymmetric shell finite element using NURBS mid-surface interpolation, Acta Mechanica, Vol. 231, No. 6., pp. 2457–2483, 2020***
3. ***Tóth, B.: Hybridized dual-mixed hp-finite element model for shells of revolution, Computers and Structures, Vol. 218, pp. 123–151, 2019***
4. ***Tóth, B.: Dual and mixed nonsymmetric stress-based variational formulations for coupled thermoelastodynamics with second sound effect, Continuum Mechanics and Thermodynamics, Vol. 30, No. 2, pp. 319–345, 2018***
5. ***Tóth, B.: Multi-field dual-mixed variational principles using non-symmetric stress field in linear elastodynamics, Journal of Elasticity, Vol. 122, No. 1, pp. 113–130, 2016***

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :

Research Fellowships abroad:

- ***German Academic Exchange Service (DAAD) - Scholarship, Hamburg University of Technology, Germany (2019, 3 months)***
- ***J. Tinsley Oden Faculty Fellowship Research Program – Scholarship, Oden Institute, University of Texas at Austin, Austin, Texas, USA (2017, 1 month)***
- ***National Excellence Program, Campus Hungary Scholarship, Department of Mathematics and Statistics, University of Otago, Dunedin, New-Zealand (2015, 1 month)***
- ***National Excellence Program, Campus Hungary Scholarship,*** *Centre for Mechanics of Machines, Institute of Fluid-Flow Machinery, Polish Academy of Sciences, Gdansk, Poland* ***(2013, 1 month)***

Research Fellowship in Hungary:

- ***Ányos Jedlik Scholarship, Institute of Applied Mechanics, University of Miskolc (12 months, 2013-2014)***

Main Research Projects **(as participant, researcher):**

- ***NKFIH 115701 – Some selected problems in computational mechanics, Hungarian Scientific Research Fund (2015-2021)***
- ***OTKA T49427 – Stress-based and higher-order finite element methods in the mechanics of solids, Hungarian Scientific Research Fund (2007-2008)***

Editor in Journals:

- ***Editor, Journal of Computational and Applied Mechanics (JCAM)***

Name: *Dr. Attila Trohák*	Year of birth: *1982*

Education, diploma issued by, in:

Computer Science Engineering, ME, 2006.; Electrical Engineering, ME, 2008.

Current job, current position:

ME, GÉIK, Institute of Automation and Info-Communication – Associate Professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (Information Science and Technology.) 2015 - "ÚJ IRÁNYÍTÁSI, TERHELÉSELOSZTÁSI ÉS TÁVDIAGNOSZTIKAI MÓDSZEREK KIDOLGOZÁSA, ELMÉLETI MEGALAPOZÁSA"

Experience in education

Educated courses: Safety Control Systems, Industrial Communication and SCADA Systems I., Industrial Communication and SCADA Systems II., Industrial Communication Systems, Design of Industrial Communication Systems I., Design of Industrial Communication Systems II., Software Systems in Control Engineering, Field Communication I., Field Communication II., Field Instrumentation, DCS Based Process Control, Design of Industrial Communication Systems, Industrial Wireless Networks, Distributed Control Systems, Design of Control Systems, Control Engineering, Info-communication

Time spent in education: 15 years.

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):,

1) ***Koba, Mate ; Trohak, Attila ; Zajzon, Norbert ; Papp, Richard Zoltan ; Kiss, Marton L.: Development of a Controller Unit for Multispectral Imaging System, In: Petras, I.; Kacur, J. (szerk.) Proceedings of the 2020 21st International Carpathian Control Conference (ICCC) Piscataway (NJ), Amerikai Egyesült Államok : IEEE (2020) 1 p. pp. 1-5. Paper: 9257210 , 5 p.***
2) ***Vanyorek, László ; Kiss, Dávid ; Prekob, Ádám ; Fiser, Béla ; Potyka, Attila ; Németh, Géza ; Kuzsella, László ; Drees, Dirk ; Trohák, Attila ; Viskolcz, Béla: Application of nitrogen doped bamboo-like carbon nanotube for development of electrically conductive lubricants, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY 8 : 3 pp. 3244-3250. , 7 p. (2019)***
3) ***Attila, Trohák ; Zsófia, Forgács: Conceptual Design of a Measurement- and Data Acquisition System, In: Jármai, Károly; Bolló, Betti (szerk.) Vehicle and Automotive Engineering 2 : Proceedings of the 2nd VAE2018, Miskolc, Hungary, Heidelberg, Németország : Springer International Publishing (2018) 803 p. pp. 342-347. Paper: Chapter 28 , 6 p.***

- ***Scientific publications 101 pcs***
- ***Scientific journal article 22 pcs***
- ***Parts in books 5 pcs***
- ***Conference paper in a journal or conference volume 42 pcs***

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :

- ***Best Supervisor (TDK) (2018)***
- ***Organization committee member at the ICCC 2018 international conference***
- ***Public membership at the Hungarian Academy of Science in the Committee of Automation and Informatics***
- ***Best Supervisor (TDK) (2016)***
- ***Organization committee member at the ICCC 2015 international conference***
- ***Honor from the Rector (2015)***
- ***Head of the advisory board of the AUTOMATIZÁLÁSI és INFOKOMMUNIKÁCIÓS kutatás-fejlesztési és innovációs alapítvány a miskolci villamosmérnökökért foundation founded in 2014***
- ***Gold medal as student – 2006***
- ***National Scholarship - 2005/06. school year***

Name: *Dr. Gabriella Vadászné Bognár*	Year of birth: *1959*

Education, diploma issued by, in:

mechanical engineer, Technical University for Heavy Industries, 1982

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Machine and Product Design - full professor, director of institute, deputy dean for research and international affairs

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

Candidate of Science (matematics) 1994, „dr. habil" 2006, doctor of the Hungarian Academy of Sciences (DSc) 2014

Experience in education

In the period 1982-2021: Analysis II, Differential Calculus, Economics (BSc), Technical Mathematics (BSc), Economics (PhD), Mechanical Engineering (BSc), Mechanical Engineering (BSc), General Automotive Engineering (BSc), Fundamentals of Tribology (BSc), Systems Engineering-System Modeling (MSc) Technical Modeling and Simulation (PhD)
In English: ***Operation and Theory of Machines (BSc), Mathematics for Economic Analysis (BSc), Mathematics for Economic Analysis (PhD) Modelling and Simulation in Engineering (PhD)***

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

1. *Márk, Venczel ; Gabriella, Bognár ; Árpád, Veress: Temperature-Dependent Viscosity Model for Silicone Oil and Its Application in Viscous Dampers, PROCESSES 2021 : 9 p. 1 Paper: 331 (2021)*
2. *Daniel, Debreczeni ; Bognár, Gabriella: Analytical and FE Determination of the Change of Single Stiffness for Cylindrical Gears with External Involute Teeth, PERIODICA POLYTECHNICA-MECHANICAL ENGINEERING 64 : 4 pp. 289-298. , 10 p. (2020)*
3. *Debreczeni, Dániel ; Bognar, Gabriella: Investigation of the Nominal Tooth Root Stress for External, Cylindrical Gears with Symmetric and Asymmetric Profile, WSEAS TRANSACTIONS ON APPLIED AND THEORETICAL MECHANICS 15 pp. 31-37. , 7 p. (2020)*
4. *Kocsis, Gergely ; Vadászné Bognár, Gabriella: Tapadási és mozgási súrlódási tényező meghatározása sportpálya burkolaton, MULTIDISZCIPLINÁRIS TUDOMÁNYOK: A MISKOLCI EGYETEM KÖZLEMÉNYE 10 : 3 pp. 338-348. , 11 p. (2020)*
5. *Mabood, F. ; Yusuf, T. A. ; Bognár, Gabriella: Features of entropy optimization on MHD couple stress nanofluid slip flow with melting heat transfer and nonlinear thermal radiation, SCIENTIFIC REPORTS 10 : 1 Paper: 19163 (2020)*

b) Any other scientific/research achievement, patents, etc:

- *István Sályi Doctoral School of Mechanical Engineering Sciences, the head of the doctoral school*
- *Supervisor in PhD studies, earned PhD degrees under supervision:*
  - *Agbeko Kwami*
  - *Rozgonyi Erika*
  - *Hriczó Krisztián*
  - *Tomori Zoltán*
  - *Debreczeni Dániel*

- *Current doctoral students with her supervision:*
  - *Sipkás Vivien*
  - *Várkuli Miklós*
  - *Alsarayefi Saad Jabber Nazal*
  - *Sayfidinov Okhunjon*
  - *Mohamad Klazly*
  - *Mohsen Khalili*
  - *Ali Zainab*

c) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :

National:

- *Engineering Mechanics Institute (EMI) member*
- *ASCE (American Society of Civil Engineering) member*
- *WSEAS (World Scientific Engineering Society and Association) member*
- *Chair of the Mechanical Engineering Committee, Technical Sciences Division VI, MTA, voting member*
- *MTA General Assembly and Non-Academic Voting Member of Division VI Engineering Sciences*
- *Chairman of the Miskolc Academic Committee of the MTA Committee for Technical Informatics*
- *Representative of the University of Miskolc in the Hungarian Automotive Innovation Consortium*
- *Member of the Industry 4.0 National Technology Platform Strategic Planning Working Group*
- *Representative of the University of Miskolc in the OTDK Technical Committee*
- *Member of the Board of Trustees of the Bolyai János Research Scholarship (College No. 6)*
- *Member of the Association of Engineering Sciences*
- *Member of the Women in Science Association*

University:

- *University of Miskolc, President of the Scientific Student Council*
- *István Sályi President of the Doctoral Council of Mechanical Engineering Sciences, Member of the Doctoral School*
- *Deputy Dean for Science and International Affairs, Faculty of Mechanical Engineering and Informatics, ME*
- *Member of the Education and Public Relations Committee of the ME GÉIK*
- *Member of the Habilitation Committee for Mechanical Engineering Sciences*
- *Member of the Board of Trustees of the "Foundation for Engineering Education at the Faculty of Mechanical Engineering of the University of Miskolc*

Projects, works:

- *basic research - leader of projects:*
  - *OTKA: 61620 Investigation of p-Laplace equations in mechanics 2006-2009*
  - *K-18 129257 New results on the growth mechanism of thin films and some tribological properties 2018-2022*
  - *TÉT: Hungarian-French 2014-2016 TÉT_14-FR-1-2015-0004*
  - *TÉT: Hungarian-Serbian 2017-2019 TÉT_16-1-2016-0164*
  - *TÉT: Hungarian-French 2018-2.1.13-TÉT-FR-2018-00014*
- *National R+D research project leader:*
  - *GINOP2.2.1-15-2016-00017 New commercial vehicle powertrain with higher efficiency, higher performance, lower noise and extended lifetime with extended service life*
  - *GINOP 2.2.1-15-2017-00086 Development of a photopolymer system for capturing 3D holographic images*
- *consortium subproject leader*
  - *GINOP 2.2.1-15-2017-00090 E-Mobility from Miskolc (Thermal Systems)*
  - *ERASMUS LLP 2013-2014 (consortium leader): 540425-LLP-1-2013-1-FI-ERASMUS-EKA Reshaped Partnerships for Competitiveness and Innovation Potential in Mechanical Engineering*
  - *ERASMUS+KA2 2017-2019 (led by consortium member): 575660-EPP-1-2016-1-FI-EPPKA2-KA Smart HEI-Business Collaboration for Skills and Competitiveness (HEIBus)*

Name: *Dr. Péter Veres*	Year of birth: *1989*

Education, diploma issued by, in:

Earth Science Engineer BSc, ME, 2011

Logistics Engineer MSc, ME, 2014

Mining and Geotechnical Engineer MSc, ME, 2014

Current job, current position:

University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Logistics - Assistant Professor

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (information sciences) 2020

Application of heuristic methods in the design and management of logistics systems

Experience in education

Operation of material handling equipment, Logistics, Recycling Logistics, Logistics in egineering, Logistics systems, Material handling equipment, Logistics information systems, Logistics of services, Optimization of logistics processes, Material flow and storage systems, Maintenance logistics, Production logistics, Mobile machinery II., Material handling machines and systems, Information flow in logistics systems, Design of material handling and storage systems, Management and automation of logistics systems, Global logistics, Quality assurance of logistics systems, Logistics of services, Production and service in logistics processes, Recycling logistics processes, Delivery processes, Methods and applications in logistics, Design of material handling and storage systems, Mechatronics in material flow, Transport-forwarding-transportation, Logistics systems and equipment, Logistics management, Service logistics, Design and management of logistics systems, Optimization of logistics processes, Recycling of packaging equipment, Optimizing packaging tools in the supply chain

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):,

a. ***Veres, Péter ; Illés, Béla ; Bányai, Tamás: Integrated Assignment and Facility Location Approach Based on Black Hole Optimization, ACADEMIC JOURNAL OF MANUFACTURING ENGINEERING 17 : 2 pp. 66-71. , 6 p. (2019) (Q3)***
b. ***Péter, Veres ; Béla, Illés ; Christian, Landschützer: Supply Chain Optimization in Automotive Industry: A Comparative Analysis of Evolutionary and Swarming Heuristics, LECTURE NOTES IN MECHANICAL ENGINEERING 2018 pp. 666-676. , 11 p. (2018) (Q4)***
c. ***Veres, P ; Bányai, T ; Illés, B: Intelligent transportation systems to support production logistics, LECTURE NOTES IN MECHANICAL ENGINEERING F12 pp. 245-256. , 12 p. (2017)***
d. ***Veres, Péter ; Bányai, Tamás ; Illés, Béla: Optimization of In-Plant Production Supply with Black Hole Algorithm, SOLID STATE PHENOMENA 261 pp. 503-508. , 6 p. (2017)***
e. ***Bányai, Tamás ; Veres, Péter? Supply Chain Design for Blending Technologies, SUSTAINABILITY 14 : 14 Paper: 8760 , 21 p. (2022)***

Projects and Tenders in which I have been actively involved in the last 5 years:

- ***Erasmus+ Prodlog,***
- ***H2020 Umi-Twinn,***
- ***ÚNKP 2019,***
- ***„Főnix ME" - Megújuló Egyetem***
- ***EFOP-3.4.3-16-2016-00015***

b) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards: :
Member of the following professional organizations: MLBKT, MTA, MAB, OMBKE

Name: Prof. Dr. Mariann Veresné Somosi	**Year of birth: 1961**

Education, diploma issued by, in:

mechanical engineer, NME, 1985

mechanical economist engineer, NME, 1987

Current job, current position:

University of Miskolc, Faculty of Economy, Dean (2014)
University of Miskolc, Institute of Management Science – Head of Institute, University Professor (2010)

Scientific degree (PhD, CSc, DLA) (Title of thesis work is to specify if PhD/DLA received within 5 years), membership of the Academy of Sciences/Art (the title of „dr. habil", DSc; specifying the field of science and date, other titles)

PhD (management and organization sciences), 1997 MTA

CSc (economic sciences) MTA 1997

Habiltation (management and organization sciences) 2013 University of Miskolc

Experience in education

Leadership and organization (34 years); Project Management (13 years); Performance Management (10 years); Organizational Behavior and Leadership (20 years); Decision Theory and Methodology (13 years); Organizational methodology (15 years); Service Management (2 years) Social Innovation (3 years)

Organsiation and Behaviuor (5 years);

Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects

a) Publications focusing on main research field (max. 5 typical publications):

- ***Kocziszky Gy. – Veresné Somosi M. (2019): Modelling of the sustainbiling of majority-state-owned (non financial) enterprises, MIRDEC 2019. 11th International Academic Confernce Social Sciense, Multidisciplinary and Independent Studies Conference proceedings Madrid, pp.13-28., 16 p.***
- ***M. Veresné Somosi – K. Varga – Gy. Kocziszky (2019): Step by step for Social Innovation with Neuro-Fuzzy Modelling, Recent Ideas and Research in Economics Brüssels, Belgium: European Center for Science Education and Research, pp:48-59., 12 p.***
- ***P.G. Pererva – Gy. Kocziszky – M. Somosi Vers – T.A: Kobielieva (2019): Compliance Program of an Industrial Enterprise, Kharkov, Ukrajna, Planeta Pront 688 p.***
- ***Veresné Somosi M. (2017): Szervezeti kompetenciaépítés és tanulás (4.5. fejezet), In: Bábosik M. (szerk): Vezetés a közjó szolgálatában: Közpénzügyi gazdálkodás és menedzsment, Budapest, Typotex, pp.661-679., 19 p.***
- ***Mariann Veresné Somosi - György Kocziszky: Performance-based management of public utility organizations - In: Zéman Z.; Magda R. (szerk.): Controller Info Studies II. Budapest, Magyarország: Copy & Consulting Kft., (2018) pp.146-152., 7 p.***

b) Any other scientific/research achievement, patents, etc:

- ***Development of a self-assessment test in connection with the ÁSZ audit methodology***
- ***Development of a sustainability model for public sector organizations***
- ***Contribute to the development of a performance-based audit methodology***

c) Other qualified skill/experiences/honors; Membership in national boards; Membership in local boards:

- ***Core membership in Doctoral School of Business Theory and Practice***
- ***External member of University of Debrecen EDT and TDT***
- ***Hungarian Higher Education Accreditation Committee - Social Sciences Committee Member (2017) - Member of the Supervisory Board (2019)***
- ***Visiting committee member several times***
- ***Judging activities in Performing Higher Education Quality Award, both at the institutional and organizational level***
- ***Course leader: Economics and Management Bsc***
- ***Preparation in the coordination the Institutional Quality Award Application***