

Name: Dr. László Kovács	Year of birth: 1961
Education, diploma issued by, in:	
Teacher of Mathematics and Physics, University KLTE, Debrecen (1985)	
Current job, current position:	
Associate Professor, Department of Information Technology, 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)	
PhD in Engineering (1996: Dr.-Univ., 1998: Dr.-Ph.D.) Dr. habil. in Information Sciences (University of Miskolc, 2011)	
Experience in education	
Experiences in teaching: 24 years. Subjects taught in Hungarian: Információs rendszerek (Information Systems) , Adatelemzés (Data Mining and Data Analysis) , Adattárházak (Data Warehouses) , Szövegbányászat (Text Mining) , Programozás alapjai (Foundation of Programming) , Szoftverrendszerek (Software Engineering) Subjects taught in English: Ontology management (University of Kosice), XML Data Management (College Siauliai) Database Systems (ME, ERASMUS), XML Data Management (ME. ERSAMUS)	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications):</p> <ol style="list-style-type: none"> 1. Hládek D, Staš J, Ondáš S, Juhár J, Kovács L: Learning string distance with smoothing for OCR spelling correction, MULTIMEDIA TOOLS AND APPLICATIONS: AN INTERNATIONAL JOURNAL 2016: pp. 1-19. 2. Kovács László, Szabó Gábor: Conceptualization with Incremental Bron-Kerbosch Algorithm in Big Data Architecture, ACTA POLYTECHNICA HUNGARICA 13: (2) pp. 139-158. 3. Kovács László, Joel Ratsaby: Analysis of linear interpolation of fuzzy sets with entropy-based distances, ACTA POLYTECHNICA HUNGARICA 10: (3) pp. 51-64. 4. Kovács László, Vassilakis C: Function oriented history representation in databases, COMPUTERS AND ARTIFICIAL INTELLIGENCE 19: pp. 417-445. 5. Kovács László: Rule approximation in metric spaces, In: Szerk.: Szakál A 8th IEEE International Symposium on Applied Machine Intelligence and Informatics (SAMI 2010): Proceedings. Budapest: IEEE Hungary Section, 2010. pp. 49-52. <p>b) Any other scientific/research achievement, patents, etc:</p> <p>Doctoral dissertations supervised: Tóth Zsolt, year of defence: 2015 Barabás Péter, year of defence: 2013 Bednarik László, year of defence: 2013 Baksáné Varga Erika, year of defence: 2011 Tanja Sieber, year of defence: 2008</p> <p>c) Other qualified skill/experiences/honors:</p> <p>Role in scientific community: Memberships:</p>	

- Editorial Board of international Journals: 7
- Organisation Committee member: 18
- Keynote presentation: 8
- Section chairman: 26

Membership in national boards:

- MAB MRK (Magyar Rektori Konferencia Informatikai Bizottság/Hungarian Rectors' Conference, Committee on Information Sciences),
- OTDT (National Scientific Student Council) Informatika Tudományi Szakmai Bizottság tagja;
- OTDK (National Scientific Student Council) Informatika Tudományi Szekció programbizottsági tag
- HASIT Informatikai Munkacsoport tagja

Membership in local boards:

- MAB Miskolci Bizottság
- ME Informatikai Bizottság
- ME GEIK Beiskolázási Bizottság
- ME GEIK Kreditátviteli Bizottság
- Vadász Dénes Informatikusokért Alapítvány Kuratórium elnöke
- ME GEIK Szakkollégium szakosztályvezetője

Name: Dr. Erika Varga, Baksáné	Year of birth: 1976
Education, diploma issued by, in:	
Computer Science Engineer, University of Miskolc, 2000	
Current job, current position:	
Associate Professor, Department of Information Technology, 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)	
PhD in Information Sciences (University of Miskolc 2011)	
Experience in education	
Experiences in teaching: 12 years Subjects taught in Hungarian: Programozási alapismeretek (Basics of Programming), C programozás (Programming in C), Objektum-orientált programozás (Object Oriented Programming), Kiadványszerkesztés Latex-ben (Text Processing in Latex), Adatbázis rendszerek (Database Systems), Adattárház rendszerek (Data Warehouses), Vállalati információs rendszerek fejlesztése (EIR Systems) Subjects taught in English: Data analysis and data mining, Text analysis and text mining	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications): Kovács László, S. Ondáš, D. Hládek, J. Staš, J. Juhár, <u>E. Varga Baksáné</u>: SEMANTIC ROLES MODELING USING STATISTICAL LANGUAGE MODELS, In: 3th International Conference on Emerging eLearning Technologies and Applications. Konferencia helye, ideje: Starý Smokovec, Szlovákia, 2015.11.26p. xx. Kovács László, <u>Baksáné Varga Erika</u>: Induction of Probabilistic Context-free Grammar Using Frequent Sequences, In: Calin Enachescu, Florin-Gheorghe Filip, Barna Iantovics (szerk.) Advanced Computational Technologies. Bucuresti: Romanian Academy Publishing House, 2012. pp. 76-88. (ISBN:978-973-27-2256-5) Kovács László, <u>Baksáné Varga Erika</u>: Modelling generalization and specialization with extended conceptual graph, CENTRAL EUROPEAN JOURNAL OF COMPUTER SCIENCE 2:(3) pp. 245-260. (2012) <u>BAKSA-VARGA E</u>, KOVÁCS L: Generalization and Specialization Using Extended Conceptual Graphs, In: Valerie Novitzká, Štefan Hudák (szerk.) Proceedings of the 11th International Conference on Informatics 2011. Konferencia helye, ideje: Rožnava, Szlovákia, 2011.11.16-2011.11.18. Kassa: Technical University of Kosice Faculty of Electrical Engineering and Informatics, 2011. pp. 179-184. (ISBN:978-80-89284-94-8) <u>Baksa-Varga Erika</u>, Kovács László: Knowledge base representation in a grammar induction system with extended conceptual graph, BULETINUL STIINTIFIC AL UNIVERSITATII POLITEHNICA DIN TIMISOARA ROMANIA SERIA AUTOMATICA SI CALCULATORAE 67:(2) pp. 107-114. (2008)</p> <p>b) Any other scientific/research achievement, patents, etc: <u>Baksáné Varga Erika</u>: Ontology-based semantic annotation and knowledge representation in a grammar induction system, PhD Dissertation, 116 p.</p>	

Name: Dr. Péter Barabás	Year of birth: 1981
Education, diploma issued by, in:	
Computer Science Engineer, University of Miskolc, 2005	
Current job, current position:	
Senior lecturer, Department of Information Technology, 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)	
PhD in Information Sciences (University of Miskolc 2013)	
Experience in education	
Experiences in teaching: 10 years Subjects taught in Hungarian Mobilprogramozás (Mobile Programming) 2015- Adatbázis rendszerek I-II (Database Systems) (BSc), 2008-2014 Webtechnológiák (Web Technologies) (BSc), 2008-2014 Elosztott rendszerek (Distributed Systems) (MSc), 2013-2015 Subjects taught in English Mobile Programming 2015	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications):</p> <ul style="list-style-type: none"> - Barabás P, Kovács L: Optimization tasks in Conversion of Natural Language Text into Function Calls, TOPICS IN INTELLIGENT ENGINEERING AND INFORMATICS 2: pp. 100-106. (2013) - Barabás Péter, Kovács László: Estimation of misclassification error using Bayesian classifiers, PRODUCTION SYSTEMS AND INFORMATION ENGINEERING 5: pp. 41-50. (2009) - Kovács László, Barabás Péter: Efficient classification of String transformations using Markov model, A GAMF KÖZLEMÉNYEI 21:(145) p. 150. (2008) - Barabás P, Kovács L: Efficient Encoding of Inflection Rules in NLP Sytems, SCIENTIFIC BULLETIN OF PETRU MAIOR UNIVERSITY OF TIRGU MURES 9:(2) pp. 11-16. (2012) - Barabás Péter, Kovács László, Maria Vircikova: Robot Controlling in Natural Language In: IEEE (szerk.), Cognitive Infocommunications (CogInfoCom): 3rd IEEE International Conference on Cognitive Infocommunications. Konferencia helye, ideje: Košice, Szlovákia, 2012.12.02-2012.12.05. Piscataway (NJ): IEEE, 2012. pp. 182-186. 	

Name: Dr. László Czap	Year of birth: 1957
Education, diploma issued by, in:	
Electrical engineer university degree, BME, 1980.	
Current job, current position:	
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, information sciences, 2005.	
Experience in education	
34 years in teaching Communication theory, Signal processing, Speech processing, Image processing, Multimedia systems	
Connection between the teacher’s professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications):</p> <p>Czap László: A digitális jelátvitel és kommunikáció alapjai. In: Ajtonyi István: Automatizálási és kommunikációs rendszerek. 527 p. Miskolc: Miskolci Egyetemi Kiadó, 2003. pp. 175-216. (ISBN:963 661 546 2)</p> <p>Czap László, Pintér Judit Mária: Noise Reduction in Voice Controlled Logistic System, APPLIED MECHANICS AND MATERIALS 309: pp. 260-267.</p> <p>Czap László, Varga Attila Károly: Adapting Dynamic Time Warping to the Speech of the Hearing Impaired, ACTA CYBERNETICA-SZEGED 22: (4) pp. 771-789.</p> <p>Gergely Kovács, László Czap: Distributed CAN-Bus Based Driving Assistance System on Autonomous Vehicle. LECTURE NOTES IN MECHANICAL ENGINEERING F12: pp. 375-382. (2017)</p> <p>b) Any other scientific/research achievement, patents, etc: Basic and Applied Research for Internet-based Speech Development of Deaf and Hard of Hearing People and for Objective Measurement of Their Progress, TÁMOP-4.2.2.C-11/1/KONV-2012-0002 – institutional research leader</p>	

Name: Dr. Samad Dadvandipour	Year of birth: 1957
Education, diploma issued by, in:	
Mechanical Engineer, University of Miskolc, 1994	
Current job, current position:	
Associate Professor, Department of Information Engineering / Institute of Information Science, Faculty of Mechanical Engineering / University of Miskolc-Hungary,	
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 academic member of Hungarian Academy of Sciences (MTA)	
Experience in education	
Teaching Subjects (in English language):	
<p>University of Miskolc, Hungary (from 2011 till now): Artificial Neural Network; Digital Manufacturing; Production Systems and Processing; Enterprise Application Integration; Intelligent Vehicles; Modeling of Production Processes; Introduction to Technical English; Artificial Intelligence; Production Control and Scheduling; Computer Studies; Computer Aided Production Control.</p> <p>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 Design and Manufacturing, Solid Mechanics, Fluid Mechanics); Manufacturing Control; Manufacturing Design.</p> <p>University of Miskolc, Hungary (2000-2004): Artificial Intelligence; Artificial Neural Networks and Neuro-Fuzzy; Material Science, Computer Integrated Manufacturing, Information Science.</p>	
Connection between the teacher’s professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications):</p> <ol style="list-style-type: none"> 1. Samad Dadvandipour, Samad Nadimi Babil Oliaei, Bahram Lotfi Sadigh Szerk.: Samad Dadvandipour, Szerk.: Samad Nadimi Babil 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: Szerk.: Hans Weghorn, Szerk.: Pedro Isaias Applied Computing 2012 Proceedings: Proceedings of the IADIS International Conference Applied computing. Lissabon: 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.: Ivo Petras, Szerk.: Igor Podlubny, Szerk.: Jan Kacur, Szerk.: Vásárhelyi József Proceedings of the 16th International Carpathian Control Conference. Miskolc: IEEE IAS/IES/PELS, 2015. pp. 95-99. (2015) 	

5. Dadvandipour Samad, Nadimi S. Boveh: **On the Experimental Study of Electric Discharge Machining (EDM) of P20 Type Tool Steel**. In: Szerk.: Anikó Szakál Proceedings of the IEEE 11th International Symposium on Applied Machine Intelligence and Informatics (SAMI 2013). Budapest: IEEE Hungary Section, 2013. pp. 245-248. (2013)

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

Research Activities:

- 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 Softwer 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);
- Faculty Coordinator and Reference for Stipendium Hungaricum Project, University of Miskolc (from 2013 untill now).

c) Other qualified skill/experiences/honors:

Scientific Memberships:

1. MTA-Hungarian Academy of Science, III. Mathematic Department, Computer Science and Information Technology Commission, Information Science {Focused on Computer Integated 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. Sándor Fegyverneki	Year of birth: 1960
Education, diploma issued by, in:	
Applied mathematician and English-Hungarian translator, KLTE, 1984	
Current job, current position:	
ME-GEIK, 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)	
PhD, mathematics and computer science, 2001, University of Debrecen.	
Experience in education	
<ul style="list-style-type: none"> • Classes taught in Hungarian (33years): Mathematics, Probability theory, Information theory, Numerical methods, Theory of programming, Mathematical statistics. • Notes for students in English: <ol style="list-style-type: none"> 1. Fegyverneki S. (1987): Introduction to the function theory, NME, Miskolc, pp.1-87 2. Fegyverneki S. (1989): Collections of problems in probability theory, NME, Miskolc, pp.1-114 3. Fegyverneki Sándor (2011): Probability Theory and Mathematical statistics, electronic note, TÁMOP 4.1.2-08/1/A-2009-0033 project • Teaching in a foreign language (English): University of Miskolc, Mathematics I-III (5 év), Probability Theory and Mathematical Statistics (4years), Computer Science (3years), Information Theory (3 years). 	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications):</p> <ol style="list-style-type: none"> 1. Fegyverneki Sándor: Robust estimators for location and scale of Cauchy distribution, MISKOLC MATHEMATICAL NOTES 14: (2) pp. 36-42. Impact factor: 0.304, 2013 2. Csendes Csilla, Fegyverneki Sándor: Parameter Estimation for Symmetric Stable Distributions by Probability Integral Transformation, In: Bognár Gabriella, Tóth Tibor (szerk.) Applied Information Science, Engineering and Technology: Series: Topics in Intelligent Engineering and Informatics, Vol.7. Switzerland: Springer Verlag, 2013. pp. 1-18. 2013 3. L. Szabó, S. Fegyverneki (1995): Maximum and average urine flow rates in normal children - the Miskolc nomograms, British J. of Urology, 76, pp.16-20. Impact factor: 1.282 4. M. Arató, S. Fegyverneki (2002): New statistical investigation of Ornstein-Uhlenbeck process with simulations, Comput. Math. Applic., Vol. 44., pp.677-692. Impact factor: 0.309. 5. S. Fegyverneki (2003): Robust estimators and probability integral transformation, Math. Comput. Modelling, Vol. 38, pp.803-814. Impact factor: 0.325. <p>b) Any other scientific/research achievement, patents, etc:</p> <ul style="list-style-type: none"> • Number of scientific papers: 60 • Cumulative impact factor: 2.6 • Independent citations in journals: 93 • Number of scientific reports: 15 	

Name: Dr. István Földes	Year of birth: 1951
Education, diploma issued by, in:	
Doctorat d'Université, Université Paris VII, 1973	
Master of Business Administration, Harvard University, 1981	
Certified Lawyer (okleveles jogász), University of Miskolc, 2016	
Current job, current position:	
Professor, Department of Information Technology, 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)	
PhD, Mathematics and Computer Sciences, 1977	
DSc, Mathematics and Computer Sciences, 1979	
Experience in education	
Experiences in teaching: 25 years.	
<u>Subjects taught in Hungarian:</u>	
Algebra (Algebra), Differenciál- és integrálszámítás (Differential and Integral Calculus), Topológia (Topology), Számelmélet (Number Theory), Gráfelmélet (Graph Theory), Rendezett halmazok (Ordered Sets), Hálóelmélet (Lattice Theory), Lineáris algebra, (Linear Algebra), Lineáris optimalizáció (Linear Optimization), Kombinatorika, (Combinatorics), Geometria (Geometry), Matematikai algoritmuselmélet (Mathematical Algorithm Theory), Matematikai logika (Mathematical Logic), Diszkrét matematika (Discrete Mathematics), Matematikai kriptológia (Cryptography)	
<u>Teaching experiences in foreign languages:</u>	
Switzerland 1973-75 in French	
Canada 1985-92 in English and French	
USA 1998-2000 in English	
Finland: 2001-2015 in English	
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):	
- S. Foldes: A characterization of hypercubes, in DISCRETE MATHEMATICS 17:(2) pp. 155-159. (1977)	
- G Alexe, S Alexe, Y Crama, <u>S Foldes</u> , P L Hammer, B Simeone, Consensus algorithms for the generation of all maximal bicliques, in DISCRETE APPLIED MATHEMATICS 145: pp. 11-21. (2004)	
- <u>S. Foldes</u> , N.M. Singhi) On instantaneous codes, in JOURNAL OF COMBINATORICS INFORMATION AND SYSTEM SCIENCES 31: pp. 307-316. (2006)	
- M. Couceiro Miguel, <u>S. Foldes</u> , Functional Equations, Constraints, Definability of Function Classes, and Functions of Boolean Variables in ACTA CYBERNETICA-BRATISLAVA 18:(1) pp. 61-75. (2007)	
- S. Foldes: The Kraft sum as a monotone function on the refinement-ordered set of uniquely decipherable codes, MATHEMATICS FOR APPLICATIONS 2:(1) pp. 1-4. (2013)	

- b) Any other scientific/research achievement, patents, etc:
number of scientific papers: 59 (according to mtmt.hu as Foldes Stéphane)
- c) Other qualified skill/experiences/honors:
number of independent citations: 374 (mtmt)

Name: Dr. Attila Házy	Year of birth: 1976
Education, diploma issued by, in:	
Mathematician, KLTE, 1999	
Current job, current position:	
ME, GÉIK, Department of Applied 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)	
PhD, Mathematics and Computer Sciences, 2005	
Experience in education	
Lectures and classes in mathematics: Numerical analysis, Numerical Methods of Linear Algebra, Operations Research, Continuous Optimization, Discrete Optimization, Analysis, Differential Equations, Calculus, Theory of Probability, Applied mathematics, Econometrics. (in Hungarian)	
Lectures and classes in informatics: Introduction to the Theory of Programming, Combinatorial Algorithms, Complexity of Algorithms, Theory of Algorithms, Computation Theory, Data Structures and Algorithms, Methodology of Programming, Design of Programming. (in Hungarian)	
Complexity of Algorithms, Data Structures and Algorithms (in English)	
Experience: 16 years	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications):</p> <p>[1] J. Makó, A. Házy: <i>On approximate Hermite-Hadamard type inequalities</i>, Journal of Convex Analysis 24 (2017), No. 2, 349-363</p> <p>[2] P. Burai, A. Házy: <i>On approximately h-convex functions</i>, Journal of Convex Analysis 18 (2011), no. 2. 447 – 454. [IF: 0.900]</p> <p>[3] A. Házy, Zs. Páles: <i>On a certain stability of the Hermite–Hadamard inequality</i>, Proceedings of the Royal Society A 465 (2009) 571 – 583. [IF: 1.705]</p> <p>[4] A. Házy, Zs. Páles: <i>On approximately midconvex functions</i>, Bulletin of London Mathematical Society 36 (2004), vol 3., 339 – 350. [IF: 0.404]</p> <p>[5] A. Házy: <i>Solving linear two variable functional equation with computer</i>, Aequationes Mathematicae 67 (2004), 47 – 62.</p> <p>b) Any other scientific/research achievement, patents, etc: -</p> <p>c) Other qualified skill/experiences/honors:</p> <p>[1] Scientific Prize by Hungarian Academy of Sciences, Regional Committee in Miskolc (2006)</p> <p>[2] ISFE-medal by The Scientific Committee of the International Symposium on Functional Equations (2008)</p> <p>[3] Farkas Gyula Prize by János Bolyai Mathematical Society (2008)</p> <p>[4] scholarship from the Hausdorff Center for Mathematics, Bonn, Germany (2008, 4 Month)</p> <p>[5] Bolyai Research scholarship (2012-2015)</p> <p>[6] Alexits György Prize by Hungarian Academy of Sciences (2014)</p>	

Name: Dr. Olivér Hornyák	Year of birth: 1973
Education, diploma issued by, in:	
Mechanical Enginner ME, 1997	
Current job, current position:	
Department of Information Engineering / Institute of Information Science, 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 Sciences (University of Miskolc 2003)	
Experience in education	
Experiences in teaching: 21 years Subjects taught in Hungarian: Minőségmenedzsment és informatika (Quality Management in Information Technology), Számítógépes gyártásirányítás (Computer-based Production Management), Termelési rendszerek és folyamatok (Production Systems and Processes), Műszaki kommunikáció (Technical Communication), Számítógépes termelésirányítás (Computer Production Management), Termelési rendszerek és folyamatok (Production Systems and Processes), Modern szoftverfejlesztési módszerek (Modern Software Development Methods), Valós idejű diszkrét folyamatirányító (MES) rendszerek (Real Time Discrete Process Control (MES) Systems) Subjects taught in English: Computer Science, Computer Aided Process Control, Manufacturing Execution Systems, Quality Assurance for Information Technology	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications): Oliver Hornyak - Ferenc Erdelyi - Gyula Kulcsar: Behaviour Based Control for Uncertainty Management in Manufacturing Execution System, Proceedings of MITIP 8. International Conference, Budapest, pp. 73-81., pp. 73-81, 2006 Tóth, T., Hornyák, O., Buza, Á.: A számítógépes termeléstervezés és termelésirányítás alapjai, Miskolc, Szakmérnöki jegyzet, p174., 174 p., 2006</p> <p>Oliver Hornyak - Gabor Safrany: Group technology for automated generation of machine controller code, 5th International Symposium on Applied Computational Intelligence and Informatics. May 28–29, pp 17 - 22 2009 – Timisoara, Romania</p> <p>Erdélyi Ferenc, Tóth Tibor, Kulcsár Gyula, Mileff Péter, Hornyák Olivér, Nehéz Károly, Körei Attila: Új modellek és módszerek az igény szerinti tömeggyártás hatékonyságának növelésére. Gépgyártás, ISSN 1587-4648 , 2009. (49. évf.) 2. sz. 3-10. old.</p> <p>Király Sándor, Nehéz Károly, Hornyák Olivér: Some aspects of grading Java code submissions in MOOCs; Research in Learning Technology 25: pp. 1-16. (2017)</p> <p>Josep Lluís de la Rosa, Víctor Torres-Padrosa, Andrés El-Fakdí, Denisa Gibovic, Lutz Maicher, Olivér Hornyák, Francesc Miralles: A Survey of Blockchain Technologies for Open Innovation; In: 4th Annual World Open Innovation Conference, WOIC 2017. Konferencia helye, ideje: San Francisco (CA), Amerikai Egyesült Államok, 2017.12.14-2017.12.15. San Francisco (CA): pp. 1-27.</p>	

Name: Dr. Imre Juhász	Year of birth: 1954
Education, diploma issued by, in:	
Assistant master of mathematics and descriptive geometry, Kossuth Lajos University of Sciences and Arts, 1978	
Current job, current position:	
University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Mathematics, Department of Descriptive Geometry, 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)	
DSc (mathematics) 2017.	
Experience in education	
Courses in descriptive geometry, geometric modeling, computer graphics; 40 years of experience in teaching	
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): Juhász I, Róth Á: A scheme for interpolation with trigonometric spline curves, Journal of Computational and Applied Mathematics, 263: 246-261. Juhász I, Róth Á: A class of generalized B-spline curves, Computer Aided Geometric Design, 30(1): pp. 85-115. Juhász I, Róth Á: Closed rational trigonometric curves and surfaces, Journal of Computational and Applied Mathematics 234(8): 2390-2404. Juhász I: On the singularity of a class of parametric curves, Computer Aided Geometric Design 23(2): 146-156. Juhász I: Weight-based shape modification of NURBS curves, Computer Aided Geometric Design 16(5): 377-383	

Name: Dr. Amadou Kane	Year of birth: 1953
Education, diploma issued by, in:	
MSc in Telecommunications Engineering 1980, Bonch Bruevich Electrotechnical Institute of Telecommunications, radio communications and broadcasting faculty, Leningrad	
Current job, current position:	
University of Miskolc, GÉIK, Institute of Automation and Infocommunication - 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 (CSc) of Technical Sciences 1987, Polytechnic Institute of Kiev	
Experience in education	
Introduction to Telecommunication, Telecommunication Systems, Broadband and IP -Based Communications, Theories of Digital Video and Audio Broadcasting, Mobile Telecommunications, Applications of Signal Processors in Telecommunication Systems. More than 30 years of educational experience. Lecture and practical courses in english language: Mobile Communications.	
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):	
<ol style="list-style-type: none"> 1. Kilik Roland, <u>Kane Amadou</u>: Wireless IPTV in practice In: Marek Babiuk, Pavel Smutny, Renata Wagnerova, Ajith Abraham, Václav Sansel, Radim Farana (szerk.) 12th International Carpathian Control Conference: IEEE ICC 2011. Konferencia helye, ideje: Velké Karlovice, Csehország, 2011.05.25-2011.05.28. Piscataway (NJ): IEEE, 2011. pp. 191-194. (ISBN:978-1-61284-360-5) 2. Kilik Roland, <u>Kane Amadou</u>, V G Abakumov: The road to wireless IPTV In: Attila K Varga, József Vásárhelyi (szerk.) ICC 2010: Proceedings of the 11th International Carpathian Control Conference. 528 p. , Konferencia helye, ideje: Eger, Magyarország, 2010.05.26-2010.05.28. Miskolc: Rekatel Bt, 2010. pp. 309-312. (ISBN:978-963-06-9289-2) 3. В Г Абакумов, С Г Антошук, Денеш Далми, <u>Амаду Кан Kane Amadou</u>, П В Попович, Н В Шишкова, Я Е Яцун : Факторы, влияющие на качество телевизионного изображения в системах цифрового телевизионного вещания. ELEKTRONIKA I SVYAZ / ELECTRONICS AND COMMUNICATIONS 3: pp. 171-177. (2010) 4. <u>Kane Amadou</u>, Kilik Roland: Az IP alapú, digitális műsorszórás előnyei, tulajdonságai és adatfolyamainak hibavédelme (1. RÉSZ) ELEKTRONET 18:(1) pp. 41-42. (2009) 5. <u>Kane Amadou</u>, Kilik Roland: Az IP alapú, digitális műsorszórás előnyei, tulajdonságai és adatfolyamainak hibavédelme (2. RÉSZ) ELEKTRONET 18:(2) pp. 48-49. (2009) 	

Name: Dr. Szilveszter Kovács	Year of birth: 1964
Education, diploma issued by, in:	
M.Sc. in Electrical Engineering, Faculty of Electrical Engineering, Technical University of Budapest (1989), Spec.M.Phil. in Computer Engineering, Faculty of Informatics and Electrical Engineering, Technical University of Budapest (1993)	
Current job, current position:	
Associate Professor, Department of Information Technology, 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. in Engineering (1996: Dr.-Univ., 1998: Dr.-Ph.D.) Dr. habil. in Information Sciences (University of Miskolc, 2011)	
Experience in education	
Subjects taught in Hungarian: Számítógép architektúrák (Computer Architectures), Számítógép hálózatok (Computer Networks), Számítógép hálózatok tervezése és üzemeltetése (Design and Managing of Computer Networks), Számítógép hálózat üzemeltetési alapismeretek (Administration of Computer Networks), Operációs rendszerek és hálózatok (Operating Systems and Computer Networks), Intelligens számítási módszerek (Soft Computing Methods), Fuzzy rendszerek (Fuzzy Systems) Subjects taught in English: Operating Systems and Networks	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications):</p> <ol style="list-style-type: none"> 1. Kovács, Sz.: Fuzzy Rule Interpolation, Article in the “Encyclopedia of artificial intelligence” (Juan Ramon Rabunal Dopico, Julian Dorado de la Calle, and Alejandro Pazos Sierra, editors), Information Science Reference, IGI Global, Hershey, New York, ISBN 978-1-59904-849-9, pp. 728-733, (2008). 2. Kovács, Sz.: Fuzzy Rule Interpolation from a Practical Point of View, Acta Universitas Jaurinensis, Series Intelligentia Computatorica, Vol. 1, No. 3, ISSN 1789-6932, pp. 595-611, (2008). 3. Péter Korondi, Beáta Korcsok, Szilveszter Kovács, Mihoko Niitsuma: Etho-robotics: What kind of behaviour can we learn from the animals? IFAC-PAPERSONLINE (ISSN: 2405-8963) 48: (19) pp. 244-255. (2015). 4. Kovács, Sz.: Extending the Fuzzy Rule Interpolation "FIVE" by Fuzzy Observation, Advances in Soft Computing, Computational Intelligence, Theory and Applications, Bernd Reusch (Ed.), Springer Germany, ISBN 3-540-34780-1, pp. 485-497, (2006). 5. Sz. Kovács: Interpolative Fuzzy Reasoning in Behaviour-based Control, Advances in Soft Computing, Vol. 2, Computational Intelligence, Theory and Applications, Bernd Reusch (Ed.), Springer, Germany, ISBN 3-540-22807-1, pp.159-170, (2005). <p>b) Any other scientific/research achievement, patents, etc:</p> <p>Doctoral dissertations supervised: Johanyák Zsolt Csaba, year of defence: 2007 Dávid Vincze, year of defence: 2014 Zoltán Krizsán, year of defence: 2014</p>	

c) Other qualified skill/experiences/honors:

Role in scientific community:

1993 - 1994 Member of the Information Systems Committee of the University of Miskolc

1994 - 1999 Acting member of the NIIF Technical Committee

1996 - 2000 Chairmanship member of B.A.Z. County Chamber of Engineers

1998 - Member of the EURO (The Association of European Operational Research Societies) Working Group on Fuzzy Sets (EUROFUSE)

2001 - Founding member of the Integrated Intelligent Systems, Japanese-Hungarian Joint Laboratory (IISL)

2001 - Member of the Hungarian Fuzzy Association

2004 - 2007 Member of the Hungarian National Scientific Research Fund (OTKA)

Electronical-Electrotechnical Jury

2007 - Vice-president of the Hungarian Fuzzy Association

2008- Member of the Editorial Board, Journal of Advanced Computational Intelligence and Intelligent Informatics (JACIII), ISSN: 1343-0130, Honorary Editor :Lotfi A. Zadeh (University of California) , Editor-in-Chief :Toshio Fukuda (Nagoya University), Kaoru Hirota (Tokyo Institute of Technology)

Name: Dr. Attila Körei	Year of birth: 1969
Education, diploma issued by, in:	
Mathematician, KLTE, 1994	
Current job, current position:	
ME, GÉIK, Department of Applied 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)	
PhD, Information science and technology, 2008	
Experience in education	
Analysis, Linear Algebra, Numerical Methods, Optimization, Programming in C, Artificial Intelligence, Operation Research (in English) Experience: 25 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): <ul style="list-style-type: none"> [1] Tóth T., Radeleczki S., Körei Attila, Veres L.: A new mathematical method to supporting group technology, European Journal of Industrial Engineering, 8(5), pp. 716-737, 2014. [2] Körei Attila: Applying Formal Concept Analysis in Machine-Part Grouping Problems. In: Applied Machine Intelligence and Informatics (SAMI), pp. 197-200, 2013. [3] Ganter B.,Körei Attila, Radeleczki S.: Extent Partitions and Context Extensions. Mathematica Slovaca 63(4), pp. 693-706, 2013. 	

Name: Sándor Lajos	Year of birth: 1967
Education, diploma issued by, in:	
Mechanical engineer, University of Miskolc, 1991	
Current job, current position:	
University of Miskolc, Institute of Mathematics, Department of Descriptive Geometry, master instructor	
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	
<ul style="list-style-type: none"> • 1991-2004 Practical course on Computer Graphics and Geometry; • 1991-2000 Lecture and Practical course on Interactive CAD/CAM systems; • 2001-2004 Lecture and practical course on CAD Systems; • 2001-2005 Practical course on Technical Documentation; • 2006-2011 Lecture and practical course on Technical Documentation; • 2006-2013 Practical course on Fundamentals of CAD; • 2008- Practical course on Descriptive Geometry; • 2012- Practical course on Geometric Modelling; • 2014- Lecture and practical course on Basics of Technical Description; • 2014- Lecture and practical course on Fundamentals of CAD; • 2015- Practical course on Geometric Modelling (in english); • 2016- Practical course on Introduction to CAD systems. 	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications): Bancsik, Zs., Juhász, I., Lajos, S.: <i>Ábrázoló geometria szemléletesen</i>, elektronikus könyv, http://193.6.8.43/segedlet/dokumentumok/Abrazolo_geometria_szemleletesen.php, 2007., 609 p.</p> <p>Lajos, S.: <i>Converting VRML Models to VR Environment</i>, in <i>The Publications of the XXVI. microCAD International Scientific Conference, Section J: Material flow systems. Logistical information technology and technical language #17</i>, p. 6, 29-30 March 2012, Miskolc.</p> <p>Lajos, S.: <i>Logisztikai berendezések CAD modelljeinek konvertálása virtuális valóság környezetbe</i>, <i>GÉP LXIII. évfolyam</i>, 2012., 4. szám, pp. 67-70</p> <p>Skapinyecz, R., Lajos, S., Tamás, P., Illés, B.: <i>A Miskolci Egyetemen kialakított Virtuális Logisztikai Laboratórium felhasználási lehetőségeinek bemutatása</i>, <i>GÉP LXIV. évfolyam</i>, 2013., 1. szám, pp. 15-18.</p>	

Name: Dr. Péter Mileff	Year of birth: 1981
Education, diploma issued by, in:	
M.Sc. In Information Engineering University of Miskolc, 2004	
Current job, current position:	
ME, GÉIK Department of Information 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 (information science) 2008 – University of Miskolc	
Experience in education	
Lecturer since 2008 (ME). Main subjects (ME): Software Technology, Software Development, Graphics Programming, Web Applications, Parallel and Distributed Systems, Unix/Linux system administration. Courses in english (ME): Graphics Programming, Software Engineering	
Connection between the teacher’s professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications):</p> <ol style="list-style-type: none"> 1. Péter Mileff, Károly Nehéz, Judit Dudra (2015), Accelerated Half-Space Triangle Rasterization, Acta Polytechnica Hungarica, Volume 12, Issue Number 7, 2015, pp. 217-236. 2. Mileff Péter, Dudra Judit (2014), Egyszerusített voxel alapú vizualizáció, Multidiszciplináris tudományok, 4. kötet. (2014) 1. sz. pp. 125-134. 3. Péter Mileff, Judit Dudra (2014), Advanced 2D Rasterization on Modern CPUs, Applied Information Science, Engineering and Technology: Selected Topics from the Field of Production Information Engineering and IT for Manufacturing: Theory and Practice, Series: Topics in Intelligent Engineering and Informatics, Vol. 7, Chapter 5, Springer International publishing, pp. 63-79. 2014. 4. Mileff Péter, Dudra Judit (2013), Osztott 2D Raszterizációs modell többmagos processzorok számára, Multidiszciplináris tudományok, 3. kötet. (2013) 2. sz. pp. 259-268. 5. Péter Mileff, Judit Dudra (2012), Modern Software Rendering, Production Systems and Information Engineering, Volume 6, pp. 55-66., 2012. 	

Name: Dr. Viktor MOLNÁR	Year of birth: 1980
Education, diploma issued by, in:	
MSc in Engineering and Management, University of Miskolc Faculty of Mechanical Engineering and Informatics, 2003	
MSc in Mechanical Engineering, University of Miskolc Faculty of Mechanical Engineering and Informatics, 2010	
Current job, current position:	
University of Miskolc, Faculty of Economics, Institute of Management Science – 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 and management sciences) 2014 (Title of dissertations: Development and application possibilities of an EFQM-based integrated decision-support management model)	
Experience in education	
Subjects taught: Project Management, Operations Management, Process Management, Organisation Methodology, Lean Quality Techniques, Problem Solving Methods and Systems, Decision Theory and Methodology, Information Systems and SAP Administration, Business Information Systems, Information Technology, Quality Control, Quality Assurance, Quality Management, Microeconomics, Macroeconomics, Marketing, Market Research, Production Engineering, Quality Assurance of Production Systems, Quality Assurance of Public Services Years spent in higher education: 13 Subjects taught in English: Decision-Making Theory and Methods, Project Management, Process Management, Human Resource Management, Marketing, Market Research, Game Theory	
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): <ul style="list-style-type: none"> – Molnár V., Tumik Á.: Várakozási veszteségből adódó költségek Lean Six Sigma megközelítésben: egy ABC-alapú döntési modell, Controller Info 5:(1) pp. 35-40. (2017) – Molnar, V.: Indirect Impacts of Drastic Scrap Rate Reduction on Costs of Production Process in Precision Machining, SOLID STATE PHENOMENA 261: pp. 487-494. (2017) – Molnár V.: Nem termelési folyamatok kontrollja Six Sigma megközelítésben, CONTROLLER INFO IV:(2) pp. 37-44. (2016) – Kundrak, J., Deszpoth, I., Molnar, V.: Comparative Study of Material Removal in Hard Machining of Bore Holes, Tehnicki Vjesnik-Technical Gazette 21:(1) pp. 183-189. (2014) – Molnar, V., Faludi, T.: A supply chain coordination model with fair revenue-sharing rates, In: M Bezpartochnyi (szerk.): Transformation of international economic relations: modern challenges, risks, opportunities and prospects. 204 p. Riga: ISMA University, 2017. pp. 119-129. 	
b) Any other scientific/research achievement, patents, etc: Participation in R+D+I projects:	

- TÁMOP-4.2.1.D-15/1/KONV-2015-0009 "Társadalmi Innovációk generálása Borsod-Abaúj-Zemplén megyében" (szakmai megvalósító)
 - TÁMOP-4.2.2.D-15/1/KONV-2015-0017 "Interdiszciplináris kutatói teamek létrehozása és felkészítése a nemzetközi programokban való részvételre a Miskolci Egyetem stratégiai kutatási területein" (szakmai megvalósító)
 - TÁMOP-4.2.1.B-10/2/KONV-2010-0001 „A felsőoktatás minőségének javítása kiválósági központok fejlesztésére alapozva a Miskolci Egyetem stratégiai kutatási területein” (szakmai megvalósító)
 - TÁMOP-4.1.1.C-1211/KONV-2012-0001 „KEZEK – Észak-Magyarország felsőoktatási intézményeinek együttműködése” (szakmai megvalósító)
 - TÁMOP-4.1.1.F/2013 „UNI – DUO - Eltérő utak a sikeres élethez! - A Miskolci Egyetem társadalmi gazdasági szerepének fejlesztése, különös tekintettel a duális képzési típusú megoldásokra” (Program koordinátor)
 - 575660-EPP-1-2016-1-FI-EPPKA2-KA "Smart HEI-Business Collaboration for Skills and Competitiveness (HEIBus)” (WP7 munkacsomag irányítása)
 - EFOP-3.6.1-16-2016-00011 „Fiatalodó és megújuló Egyetem – Innovatív tudásváros. A Miskolci Egyetem intelligens szakosodást szolgáló intézményi fejlesztése” (2. sz. részprojekt vezetése; szakmai megvalósító)
 - EFOP-3.6.2-16-2017-00007 „Az intelligens, fenntartható és inkluzív társadalom fejlesztésének aspektusai: társadalmi, technológiai, innovációs hálózatok a foglalkoztatásban és a digitális gazdaságban” (szakmai megvalósító)
- Getting the certification of TERP10 (2017)

c) Other qualified skill/experiences/honors:

Membership in scientific societies:

- Decision Sciences Institute, TX, USA (member)
- Menedzsment és Kontrolling Egyesület, Magyarország / Hungarian Management and controlling Society (member)
- International Society on MCDM (member)
- Gépipari Tudományos Egyesület, Magyarország / Hungarian Scientific Society of Mechanical Engineers (member)
- Magyar Közgazdasági Társaság, Magyarország / Hungarian Economic Association (member)

International relations:

- Crakow University of Economics
- Armenian State University of Economics

Awards:

- Miskolci Egyetem érdemes oktatója, 2017
- Kiváló konzulens, Miskolci Egyetem, 2013
- Award for ScienceTechnology Transfer, World Association for Innovative Technologies, Croatia, 2012

Name: Dr. Péter Olajos	Year of birth: 1976
Education, diploma issued by, in:	
Mathematics and physics teacher, DE, 2000; Computer Science Engineer, ME, 2004	
Current job, current position:	
University of Miskolc, Faculty of Mechanical Engineering and Informatics, Mathematical Institute, Department of Applied 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)	
PhD (Mathematics) 2005.	
Experience in education	
Eger, 2003-2008: Algebra, linear algebra, analysis, TEX. Miskolc, 2008-: Computational theory, parallel algorithms, programming of parallel devices, TEX, cryptografya.	
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): Attila Házy, <u>Péter Olajos</u> , Imre Piller, Szilvia Szilágyi: A numerical example for the intersection of the compatible quasilinear extensions of a partial order, <i>MISKOLC MATHEMATICAL NOTES</i> 18:(2) pp. 787-799. (2017). Kálmán Liptai, <u>Péter Olajos</u> : About the equation $B_m^{(a,b)}=f(x)$, <i>ANNALES MATHEMATICAE ET INFORMATICA</i> 40: pp. 47-55. (2012). <u>Péter Olajos</u> : Power integral bases in the family of simplest quartic fields, <i>EXPERIMENTAL MATHEMATICS</i> 14:(2) pp. 129-132. (2005).	

Name: Dr. Sándor Radeleccki	Year of birth: 1959
Education, diploma issued by, in:	
Mathematician, Mathematics and informatics teacher, University of Babeş-Bolyai, Kolozsvár, 1983	
Current job, current position:	
University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Mathematics, 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 (Mathematics) MTA, 1996, Dr. Habil, 2009	
Experience in education	
<p>Subjects taught in Hungarian: Numerikus módszerek (Numerical Methods), Analízis (Mathematical Analysis), Lineáris Algebra (Linear Algebra), Diszkrét Matematika I és II (Discrete Mathematics), Automaták és Formális Nyelvek (Formal Languages and Automaton), Discrete Mathematics, Matematikai Logika (Mathematical Logic), Matematikai logika és alkalmazásai (Phd) (Mathematical Logic, and applications(PhD))</p> <p>Subjects taught in English: Mathematical Logic, Discrete Mathematics (Tampere University of Technology, University of Silesia). Lattice theoretical methods in Computer Science (University of Turku)</p>	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications):</p> <ol style="list-style-type: none"> 1. Já Kubiková-Studenovská, D., Pöschel, R. and Radeleccki, S.: The lattice of congruence lattices of algebras on a finite set , Algebra Universalis, in print. 2. Järvinen, J., Radeleccki, S.: Representation of Nelson algebras by rough sets determined by quasiorders, Algebra Universalis, 66 (2011), 163-179. 3. Czédli G., Horváth K. E. and Radeleccki S.: On tolerance lattices of algebras in congruence modular varieties, Acta Mathematicae Hungarica, 100 (2003), 9-17. 4. Radeleccki, S., Szigeti, J.: Linear orders on general algebras, Order, 22 (2005), 41-62. 5. Radeleccki S.: The direct decomposition of L-algebras into products of subdirectly irreducible factors, Journal of Australian Math. Soc. Ser A., 75 (2003), 41-56. <p>b) Any other scientific/research achievement, patents, etc:</p> <ul style="list-style-type: none"> • Az MTA Miskolci Akadémiai Bizottsága, Matematikai Szakbizottságának a tagja vagyok 1998-2002 és 2006-2012 között ennek a Szakbizottságnak a titkára. • A „Kutatási Lehetőségek Középiskolásoknak” nevű országos testület egyik mentora vagyok (2003-tól), • A Hatvany József Informatikai Tudományok Doktori Iskolában. 2009-től a törzstagja vagyok. <p>c) Other qualified skill/experiences/honors:</p> <ul style="list-style-type: none"> • Fiatal kutatók a Magyar Tudományért, MTA / Young researchers for the Hungarian Science (1998); • MTA Bolyai János Kutatói Ösztöndíja/ Bolyai Research scholarship (1999-2002); 	

- MTA Széchenyi István Docensi Ösztöndíja (2002-2005)
- Nagybánya (Baia-Mare) megyei jogú város önkormányzatának a díja (2002);
- A Miskolci Egyetem kiváló kutatója (2011).

Name: Dr. Szamosi Zoltán	Year of birth: 1986
Education, diploma issued by, in:	
Mechanical Engineer, ME, 2011 Economist, ME, 2016	
Current job, current position:	
University of Miskolc, Institute of Energy Engineering and Chemical Machinery 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 in Mechanical Engineering, 2016, Mezőgazdasági hulladékok energiasűrűség-növelés lehetőségének vizsgálata	
Experience in education	
Subjects taught in Hungarian: Vegyipari gépek és technológiák (Chemical machinery and technologies) Környezetvédelem (Environment Protection) Környezetmenedzsment (Environmental management) Subject taught in English: Environmental management	
Connection between the teacher's professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications):</p> <ol style="list-style-type: none"> 1. Szamosi Zoltán, Tóth Pál, Koós Tamás, Baranyai Viktor, Gábor Szepesi, Siménfalvi Zoltán: Explosion Characteristics of Torrefied Wheat Straw Rape Straw, and Vine Shoots Fuels ENERGY AND FUELS 10: Paper 7b01875. (2017) 2. Tóth Kinga, Venczel Gábor, Szamosi Zoltán: Examination of biomethane production Proceedings of the 5th International Scientific Conference on Advances in Mechanical Engineering (ISCAME 2017). 3: Zoltán Szamosi, H Bouras, Károly Jármái, Zoltán Siménfalvi: Optimisation of biomass torrefaction, International Conference on Innovative Technologies: IN-TECH 2016. 4. Szamosi Zoltán, Lakatos Károly, Siménfalvi Zoltán: Az agripellet, mint megújuló energiaforrás vizsgálata GÉP 63, 2012 5. Szamosi Zoltán, Lakatos Károly, Bereczkei Sándor: Repair of Kaplan turbine shaft sealing based on evaluation of hydraulic conditions In: 26th IAHR Symposium on Hydraulic Machinery and Systems. Konferencia helye, ideje: Beijing, Kína, 2012.08.19-2012.08.23. Beijing: Paper IAHRXXVI-062. 	

Name: Dr. Zsolt Tóth	Year of birth: 1987
Education, diploma issued by, in:	
MSc in Information Engineering, University of Miskolc, 2011	
Current job, current position:	
University of Miskolc, Institute of Informatics, 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 in Computer Sciences (2015) Efficiency Analysis of Inflection Rule Generatio	
Experience in education	
<p>Taught subjects in Hungarian</p> <ul style="list-style-type: none"> • Elosztott rendszerek fejlesztése (Development of Distributed Applications) (MSc) – 1 year experience • Programtervezési minták (Design Patterns) (MSc) – 2 years experience • Szoftverprojektek és tesztelés (Software Projects and Testing) (BSc) – 4 years experience • Webes Alkalmazások Fejlesztése (Development of Web Applications) (BSc) – 1 év <p>Taught subjects in English</p> <ul style="list-style-type: none"> • Software Technologies (MSc) – 3 years experience • Web Technologies I & II. (BSc) – 4 years experience 	
Connection between the teacher’s professional/scientific/research activities and the coordinated courses/subjects	
<p>a) Publications focusing on main research field (max. 5 typical publications):</p> <ol style="list-style-type: none"> 1. <i>Judit Tamás, Zsolt Tóth</i> Classification-based symbolic indoor positioning over the Miskolc IIS Data-set <i>JOURNAL OF LOCATION BASED SERVICES</i> 1: Paper 10.1080/17489725.2018.1455992. (2018) 2. <i>Tóth Zsolt</i> ILONA: indoor localization and navigation system <i>JOURNAL OF LOCATION BASED SERVICES</i> 10:(4) pp. 285-302. (2016) 3. <i>Zsolt Tóth, Judit Tamás</i> Miskolc IIS Hybrid IPS: Dataset for Hybrid Indoor Positioning In: Proceedings of 26th International Conference on Radio Electronics. Konferencia helye, ideje: Kassa, Szlovákia, 2016.04.19-2016.04.20. Kassa: pp. 408-412. 4. <i>Dániel Péter Kun, Erika Baksáné Varga, Zsolt Tóth</i> Ontology based Navigation Model of the ILONA System In: Szakál A (szerk.) SAMI 2017: IEEE 15th International Symposium on Applied Machine Intelligence and Informatics. 510 p. Konferencia helye, ideje: Herlany, Szlovákia, 2017.01.26-2017.01.28. Budapest: IEEE, 2017. pp. 479-484. 5. <i>Judit Tamás, Zsolt Tóth</i> Limitation of CRISP accuracy for evaluation of room-level indoor positioning methods In: 2018 IEEE International Conference on Future IoT 	

Technologies. Konferencia helye, ideje: Eger; Budapest, Magyarország, 2018.01.18-2018.01.19. IEEE, pp. 1-6

- b) Any other scientific/research achievement, patents, etc:
- Leader of a research group at University of Miskolc
 - PhD supervisor
 - ILONA System
- c) Other qualified skill/experiences/honors:
- software development – 7 years

Name: Dr. Attila Károly Varga	Year of birth: 1981
Education, diploma issued by, in:	
MSc in Information Engineering, University of Miskolc, 2004 Technical Translator (English), University of Miskolc, 2006	
Current job, current position:	
University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Automation and Infocommunication – Associate Professor	
Experience in education	
since 2004 in Hungarian: <ul style="list-style-type: none"> • Telematics, Telecommunication, WEB Technologies, Computer Architectures, Operation Systems, Graphics Programs, Digital Systems, Database Systems, Programable Logics, Communication Theory, Digital Image Processing, Multimedia Systems, Image and Speech Processing, Digital Image Processing, Mobile Communications in English: <ul style="list-style-type: none"> • Communication Theory, Mobile Communications 	
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): <ul style="list-style-type: none"> • Attila K Varga, Béla Illés, György Kovács, László Czap Development of a web-based evaluation system for subjective tests In: Norge Isaías Coello Machado: COMEC 2016 IX International Scientific Conference of Mechanical Engineering. Santa Clara, Kuba, 2016.11.14-2016.11.17., 2016. pp. 1-10. ISBN:978-959-312-216-0 • Varga Attila K, Czap László: Reliability graph model for sensor networks, In: Sándor Bodzás, Tamás Mankovits: Proceedings of the 3rd International Scientific Conference on Advances in Mechanical Engineering (ISCAME 2015)., ISBN:978-963-473-917-3 • Varga Attila K, Czap László: Development of an Online Subjective Evaluation System for Recorded Speech of Deaf and Hard of Hearing Children, In: Baranyi P.: CogInfoCom 2015: Proceedings of 6th IEEE Conference on Cognitive Infocommunications, ISBN:978-1-4673-8128-4 • Czap László, Illés Béla, Varga Attila: Concept of a Speech Assistant System, In: 4th Word Congress on Software Engineering WCSE 2013. Hong Kong, 2013.12.03-2013.12.04. IEEE Computer Society, pp. 207-211. • Varga Attila K.: Localization Techniques in Wireless Sensor Networks, PRODUCTION SYSTEMS AND INFORMATION ENGINEERING 6: pp. 81-90. (2013) c) Other qualified skills/experiences/honors: <ul style="list-style-type: none"> • 2017 – 2018 New National Excellence Program (Scholarship) • Faculty Medal (Award) – University of Miskolc, Faculty of Mechanical Engineering and Informatics (2017) • 2013 – 2014 National Excellence Program (Scholarship) • Excellent Researcher Award – University of Miskolc, Faculty of Mechanical Engineering and Informatics (2013) • MAYA 3D master course, Maya Advanced Level Course – international diploma (2006) • Science and Project Management Course – diploma (2006) 	

Name: Dr. József Vásárhelyi	Year of birth: 1958
Education, diploma issued by, in:	
Electrical engineer in the field of low power and telecommunication systems, Technical University of Cluj, Romania, 1983	
Current job, current position:	
University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Automation and Infocommunication – 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 (Electrical engineering sciences), 2004)	
Experience in education	
Lectures: Digital systems, (BSc), Embedded systems (BSc, Msc – in Hungarian), Programmable logic (BSc), Embedded systems and architectures (Msc in Hungarian), Embedded systems and Architectures (MSC – in Hungarian and English), Programmable Logic (Erasmus – in English), Embedded systems (Erasmus – in English)	
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):	
<p>Ahmed Bouzid, <u>József Vásárhelyi</u>, Roland Bartók, László Czap: Pose Determination for Autonomous Vehicle Control, LECTURE NOTES IN MECHANICAL ENGINEERING F12: pp. 333-339. (2017), Vehicle and Automotive Engineering. Miskolc-Egyetemváros, Magyarország: 2016.11.17 -2016.11.18. (ISBN 978-3-319-51188-7)</p>	
<p>Bartók Roland, <u>Vásárhelyi József</u>, Two Methods for Autonomous Robot Obstacle Sensing and Application Programming Interface for Fuzzy Rule Interpolation, In: Dan Popescu, Dorin Şendrescu, Monica Roman, Elvira Popescu, Lucian Bărbulescu (szerk.) 2017 18th International Carpathian Control Conference (ICCC). Konferencia helye, ideje: Sinaia, Románia, 2017.05.28-2017.05.31. (IEEE Computational Intelligence Society), Craiova: IEEE, 2017. pp. 87-92.(ISBN:978-1-5090-5825-9)</p>	
<p>Bartók Roland, <u>Vásárhelyi József</u>, A fuzzy rule interpolation base algorithm implementation on different platforms, In: Ivo Petras, Igor Podlubny, Jan Kacur, <u>Vásárhelyi József</u> (szerk.), Proceedings of the 16th International Carpathian Control Conference. Konferencia helye, ideje: Szilvásvárad, Magyarország, 2015.05.27-2015.05.30. Miskolc: IEEE IAS/IES/PELS, 2015. pp. 37-40. (ISBN:978-1-4799-7369-9)</p>	
<p><u>Vásárhelyi József</u>, Végh János, Clock Around Embedded Systems and Reconfigurable Systems, In: Domokos József, Forgó Zoltán, Bakó László (szerk.), 4th International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics (MACRO), 2013. Konferencia helye, ideje: Tргу-Mures, Románia, 2013.10.04-2013.10.05. Tргу-Mures: Sapientia Hungarian University of Transylvania, 2013. pp. 111-114.</p>	

Vásárhelyi József, Proiectarea cu circuite logice programabile: Programmable logic Design, Kolozsvár: Albastra, 1998. 179 p., (ISBN:973-9215-79-3)

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

IEEE International Carpathian Control Conference – conference chair (2010, 2015, 2018)

Best paper: Vásárhelyi József, Végh János, Clock Around Embedded Systems and Reconfigurable Systems, In: Domokos József, Forgó Zoltán, Bakó László (szerk.), 4th International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics (MACRO), 2013. Konferencia helye, ideje: Tirgu-Mures, Románia, 2013.10.04-2013.10.05. Tirgu-Mures: Sapientia Hungarian University of Transsylvania, 2013. pp. 111-114.

c) Other qualified skills/experiences/honors:

1986 – 1991 - Electrosigma R.T. Design and technology department – design and production engineer

Name: Dr. Dávid Vincze	Year of birth: 1983
Education, diploma issued by, in:	
MSc. in Information Engineering, University of Miskolc, 2008	
Current job, current position:	
Associate Professor, Department of Information Technology, 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. in Engineering - Information Science and Technology (2014) Title of PhD dissertation: Fuzzy Rule Interpolation-based Q-learning	
Experience in education	
Subjects taught in Hungarian: Operációs rendszerek (Operating Systems), UNIX/Linux rendszergazdai ismeretek (Administration of Unix/Linux), Rendszerüzemeltetés II-III (Administration of Computer Systems), Korszerű informatikai technológiák (Current IT Technologies), Operációs rendszerek és hálózatok (Operating Systems and Networks) Subjects taught in English: Operating Systems and Networks	
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):	
D. Vincze, Fuzzy Rule Interpolation and Reinforcement Learning, SAMI 2017: IEEE 15th International Symposium on Applied Machine Intelligence and Informatics. pp. 173-178.	
D. Vincze, Sz. Kovács, M.Niitsuma, H. Hashimoto, P. Korondi, M. Gácsi, Á. Miklósi, Ethologically inspired human-robot interaction interfaces, Proceedings of the 2012 Joint International Conference on Human-Centered Computer Environments. Konferencia helye, ideje: Hamamatsu, Japán, 2012.03.08-2012.03.13. Aizu: ACM Press, 2012. pp. 51-57.	
D. Vincze, Sz. Kovács, M. Gácsi, P. Korondi, Á. Miklósi, P. Baranyi: A Novel Application of the 3D VirCA Environment: Modeling a Standard Ethological Test of Dog-Human Interactions, ACTA POLYTECHNICA HUNGARICA 9:(1) pp. 107-120. (2012)	
Vincze D, Kovács S: Performance optimization of the fuzzy rule interpolation method "FIVE", JOURNAL OF ADVANCED COMPUTATIONAL INTELLIGENCE AND INTELLIGENT INFORMATICS 15:(3) pp. 313-320. (2011)	
Dávid Vincze: A Fast Method for Securing User Supplied Code Execution in Web Servers, PRODUCTION SYSTEMS AND INFORMATION ENGINEERING 6: pp. 69-80. (2013)	
b) Any other scientific/research achievement, patents, etc:	
Participation as a researcher and developer in the ETOCOM project (TÁMOP-4.2.2-08/1/KMR-2008-0007) of the Cognitive informatics group of the Hungarian Academy of Sciences - Institute for Computer Science and Control (MTA SZTAKI)	
Participation as a researcher: Improving the quality of higher education based on developing excellence centers in the strategic research fields of the University of Miskolc (A felsőoktatás minőségének javítása kiválósági központok fejlesztésére alapozva a Miskolci Egyetem stratégiai kutatási területein) (TÁMOP-4.2.1.B-10/2/KONV-2010-0001)	

Participation as a researcher in “OTKA K77809: Application oriented Fuzzy rule interpolation methods” (Alkalmazásorientált Fuzzy szabályinterpolációs módszerek”)

Jedlik Ányos Predoctoral Scholarship 2013/2014, National Excellence Programme

Young Researcher Scholarship 2017/2018 – New National Excellence Programme

Developed a fuzzy automaton based behaviour simulation system in cooperation with ELTE and BME.

Developed and implemented a new concept for access control in the kernel of Linux operating system, which is successfully applied in production environment on high traffic servers with significant amount of users.

c) Other qualified skills/experiences/honors:

Organizing and preparing student teams for the Asia Student Supercomputer Challenge from 2014 to 2018 with success: among the TOP16 (ASC'14, ASC'15, ASC'16) and later the TOP20 (ASC'17, ASC'18) teams („First Class Award”).

Rector's award, University of Miskolc, 2016

Cooperation in ethorobotics, with the Human-System Laboratory at Chuo University, Tokyo.

Peer reviews for international journals and conferences.