PERSONAL INFORMATION

doc. Mgr. Martin Drlík, PhD.

Department of Informatics
Faculty of Natural Sciences and Informatics
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POSITION

Professor

EDUCATION

2019 — Institute of Informatics, Faculty of Business and Administration, Mendel University in Brno, Czech Republic
Habilitation (Post-doctoral degree), System Engineering and Informatics

2004-2009 — Department of Computer Science, Faculty of Natural Sciences, Constantine the Philosopher University in Nitra, Slovakia
Doctoral Study, Theory of Informatics Education

1996-2001 — Faculty of Physics, Maths and Informatics, Comenius University, Bratislava, Slovakia
Master of Science, Physics, Biomedicine Physics

EMPLOYMENT

2023 - now — Department of Computer Science, Faculty of Natural Sciences and Informatics, Constantine the Philosopher University in Nitra, Slovakia
Professor

2018-2026 — Department of Computer Science, Faculty of Natural Sciences and Informatics, Constantine the Philosopher University in Nitra, Slovakia
Vice-dean for External Relations and Development

2019-2023 — Department of Computer Science, Faculty of Natural Sciences and Informatics, Constantine the Philosopher University in Nitra, Slovakia
Associate Professor, Vice-dean for External Relations and Development

2006-2019 — Department of Computer Science, Faculty of Natural Sciences, Constantine the Philosopher University in Nitra, Slovakia
Assistant Professor

2002-2006 — Department of Computer Science, Faculty of Natural Sciences, Constantine the Philosopher University in Nitra, Slovakia
Researcher

2011-2013 — Department of Computer Science, Vysoká škola Manažmentu / City University of Seattle, Bratislava

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Part-Time Teacher

2005-2008

Department of Computer Science, Vysoká škola Manažmentu / City University of Seattle, Bratislava

Part-Time Teacher

2009-now

Teacher.sk, s.r.o.

Co-owner, responsible for E-learning Course Development, E-learning Implementation, Web and Mobile Application Development, Consulting

TEACHING EXPERIENCE

Bachelor's and Master's Degrees of Applied Informatics

- Introduction to Software Engineering (B)
- Database Systems (B)
- Database Technologies (B)
- Information Systems (B)
- IT Project Management (B)

- Software Engineering (M)
- Educational Data Mining and Learning Analytics (M)
- Cloud Technologies (M)
- Data Engineering (M)
- Software Project Management (M)

Doctoral Degree of Applied Informatics

- Data Governance (D)
- Learning Analytics (D)

Lecturer and Consultant

- Software Development
- AI in Education
- E-learning Course Development
- E-learning Implementation
- Course Development in Moodle

SUPERVISORY ACTIVITIES

- IEEE Computational Intelligence Society (CIS) Graduate Student Research Grant 2026 - Muhammad Owais Raza (Istanbul Sabahattin Zaim University), project Explainable Cross-Disease Multimodal Learning for Medical Image Analysis - Supervisor
- Doctoral Theses
  - Elvíra Suchánková - AI-Assisted Synthesis of Data Transformation Pipelines for Heterogeneous Data Integration Systems (from 2026)
  - Valerii Volodymyrovych Popovych - Application of Selected Distributed Machine Learning Algorithms in Big Data Domain (2024)
  - Janka Pecuchová - Application of Selected Knowledge Discovery Methods in Learning Analytics (2023)
- Master's Theses – 48
- Bachelor Theses - 105

RESPONSIBILITIES FOR QUALITY OF STUDY PROGRAMS

- Applied Informatics (Bachelor’s, Master's, Doctoral Degrees)
- Applied Informatics (Habilitations and Inaugurations)
- Artificial Intelligence - Natural Language Processing (Bachelor’s, Master's Degrees)

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DOCTORAL THESES REVIEWER

- Comenius University, Bratislava, Slovakia (2023)
- Mendel University, Brno, Czech Republic (2023)
- ELTE Budapest, Hungary (2022)
- Curtin University, Perth, Australia (2020)

INTERNATIONAL ACTIVITIES AND MOBILITIES

- Horizon Europe, Marie Skłodowska-Curie Actions – HORIZON-MSCA-2025-SE-01 (2026-2030) – UKF Responsible Lead Researcher
- 7RP Marie Skłodowska-Curie Actions – IRNET Project, PIRSES- GA-2013-612536 (2013-2017) - UKF Responsible Lead Researcher
- KA220 Projects FITPED, FITPED-AI, and FITPED-GAI (fitped.eu) - Responsible Lead Researcher
- Visegrad Fund (2026-2027) – UKF Lead Researcher
- KA131 and KA171 Erasmus+ Faculty Coordinator (2018-2026)
- CEEPUS Network Coordinator (2024-Now)

- Gdynia Maritime University (24.6. – 28.6.2026) – Erasmus Plus
- University of Mauritius (2.7. – 14.7.2025) – Erasmus Plus
- University of Montenegro (1.6. – 14.6.2025) – Erasmus Plus
- Mendel University in Brno, Czech Republic (27.1.-30.1.2025) – Erasmus Plus
- Universidad de Las Palmas de Gran Canaria, Spain (6.6.2024-13.6.2024) – Erasmus Plus
- University of South Bohemia in České Budějovice, Czech Republic (19.6.2022 - 25.6.2022) – Erasmus Plus
- Vinius University, Lithuania (6.12.2021 -13.12.2021) – Erasmus Plus
- Ilia State University in Tbilisi, Georgia (15.9.2019 – 21.9.2019) – Erasmus Plus
- Borys Grinchenko Kyiv University, Kyiv, Ukraine (4.9.2017 - 4.10.2017) - 7RP Marie Curie Action - PIRSES- GA-2013-612536 - International Research Network Framework for Study and Development of New Tools and Methods for Advanced Pedagogical Science in the Field of ICT Instruments, e-learning and Intercultural Competences
- Curtin University in Perth, Australia (1.11.2016 -1.12.2016) - 7RP Marie Curie Action - PIRSES- GA-2013-612536 - International Research Network Framework for Study and Development of New Tools and Methods for Advanced Pedagogical Science in the Field of ICT Instruments, e-learning and Intercultural Competences
- Herzen State Pedagogical University of Russia, St. Petersburg, Russian Federation (1.4.2016 -29.4.2016) - 7RP Marie Curie Action - PIRSES- GA-2013-612536 - International Research Network Framework for Study and Development of New Tools and Methods for Advanced Pedagogical Science in the Field of ICT Instruments, e-learning and Intercultural Competences
- Herzen State Pedagogical University of Russia, St. Petersburg, Russian Federation (18.4.2015 -17.5.2015) - 7RP Marie Curie Action - PIRSES- GA-2013-612536 - International Research Network Framework for Study and Development of New Tools and Methods for Advanced Pedagogical Science in the Field of ICT Instruments, e-learning and Intercultural Competences
- Borys Grinchenko Kyiv University, Kyiv, Ukraine (19.8.2015 -13.9.2015) - 7RP Marie Curie Action - PIRSES- GA-2013-612536 - International Research Network Framework for Study and Development of New Tools and Methods for Advanced Pedagogical Science in the Field of ICT Instruments, e-learning and Intercultural Competences

ORGANIZATIONAL AND MANAGEMENT SKILLS

- Beha Lab – Lead Researcher (2023-now)
- Vice-dean for External Relations and Development, Faculty of Natural Sciences and Informatics (2018-2026)
- nConnect – Conference about university-industry cooperation (2024-2026)
- ITvNitre – Students Programming Contest (2021-2026)
- ITvPraxi – Series of lectures focused on university-industry cooperation (2018-2023)
- 006UKF-2-1/2021 Internationalization support at UKF in Nitra – Series of Lectures of Foreign Researchers (2021-2023)
- International Research Conference DIVAI (2004 – 2018)
- UNINFOS 2007 International Research Conference (2007)

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- Oracle Academy Educator
- Snowflake Academia Educator
- AWS Academy Educator

Editorial Board Member

- Informatics in Education (Web of Science, IF2024=2.8, AIS Q1)
- International Journal of Research in E-learning
- Open Educational E-Environment of Modern University
- EduShift: Innovations and Leadership

PROJECTS

Research Projects

- Horizon Europe, Marie Skłodowska-Curie Actions – HORIZON-MSCA-2025-SE-01(2026-2030) – UKF Responsible Lead Researcher
- Visegrad Fund - V4 Digital Learning Lab: GenAI, Gamification and Immersive Tech for Higher Education - UKF Responsible Lead Researcher
- VEGA 1/0667/25 The Assessment of the Contribution of Generative Artificial Intelligence in Education Using Learning Analytics Methods in the Context of Selected Self-regulated Learning Strategies - Responsible Lead Researcher
- Future IT Professional Education in Generative Artificial Intelligence (FITPED-GAI) (ERASMUS+ 2024-1-SK01-KA220-HED-000249044) - Responsible Lead Researcher
- Future IT Professionals Education in Artificial Intelligence (FITPED-AI) (ERASMUS+ 2021-1-SK01-KA220-HED-000032095)
- VEGA 1/0490/22 - Design and Evaluation of Selected Learning Analytics Methods for Understanding and Improving the Learning Process and Virtual Learning Environment - Responsible Lead Researcher
- Work-Based Learning in Future IT Professionals Education (FITPED), Erasmus+, Key action 2, Strategic partnerships, (ERASMUS+ 2018 1 SK01 KA203 046382) - Responsible Lead Researcher
- FP7-PEOPLE-2013-IRSES (2014-2018), PIRSES-GA-2013-612536 - International Research Network Framework for Study and Development of New Tools and Methods for Advanced Pedagogical Science in the Field of ICT Instruments, e-learning and Intercultural Competences – UKF Responsible Lead Researcher
- VEGA 1/0776/18 - Optimizing the content and disclosure of Pillar 3 information based on their stakeholder involvement in commercial banks
- KEGA 015UKF-4/2013 – Modern Informatics – New Methods and Forms of Effective Education
- VEGA 1/0392/13. Modelling of Stakeholders' Behaviour in Commercial Bank during the Recent Financial Crisis and Expectations of Basel Regulations under Pillar 3- Market Discipline. (2013-2015).
- Education of Teachers of Informatics at Primary and Secondary Schools. National Project.
- Virtual Faculty Development. EU Structural Funds. (2009-2013).
- A-Centrum: Centrum of Innovative Education. EU Structural Funds. (2009-2013)

IT projects

- libsys.ukf.sk - Development of an information system for gathering publications of UKF academic staff (2007-2011)
- projekty.ukf.sk - Development of an information system for gathering information about the projects realised at the university (2007-2009, 2014-2016)
- portal.ukf.sk - Development of university information system for quality assurance of academic staff (2014-2016)
- edu.ukf.sk, amos.ukf.sk – E-learning university portals implementation, maintenance, and development (2007 - now)

MEMBERSHIPS

Program Committee Member

- ICAART 2027
- IANLP 2026
- ISD 2026
- INSTICC WEBIST 2017-2026
- ICT Innovation Conference 2012 – 2026
- HELMeTO 2020-2026

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- WAILS 2025-2026
- Divai 2003 – 2026
- DLCC 2014 – 2026
- IADIS International Conference on Internet Technologies & Society, 2010 – 2024
- INSTICC DATA 2017-2020
- IADIS BigDACI 2016-2019
- IADIS European Conference Data Mining 2012 - 2015

- ACM Professional Membership, 2007 – 2017

PROFILES

- Web of Science https://www.webofscience.com/wos/author/record/A-9130-2012
- ORCID https://orcid.org/0000-0002-5958-7147
- Scopus https://www.scopus.com/authid/detail.uri?authorId=36184905200
- Google Scholar https://scholar.google.com/citations?user=ELNjZAMAAAAJ&hl=sk
- Linkedin https://www.linkedin.com/in/martindrlik/
- Accredible Snowflake and Databricks https://www.credential.net/profile/martindrlik744586/wallet
- AWS Academy https://skillsprofile.skillbuilder.aws/user/martindrlik/builderlabs

PUBLICATIONS

Citations without self-citations

- Web of Science – 410
- Scopus – 549
- Google Scholar – 1594

Journals

- SKALKA et al. (2026). A segmentation-based episodic representation framework for cross-design comparison in multi-mode industrial time series. Machine Learning with Applications, 25, 100986
- SKALKA, J., et al. (2026). Assessing the Contribution of SCADA-Derived Pump Operating Regimes to Leakage Assessment in Water Distribution Networks. IEEE Access 14, pp. 116216-116240
- PECUCHOVA, J., BENKO, L., DRLIK, M. (2026). Diagrammatic dataset on AI-generated formative feedback for XML-based UML models. Data in Brief 67.
- SKALKA, J., PRZYBYLA-KASPEREK, M., DRLÍK, M., HALVONÍK, D. (2026). Adaptive Coalition-Based Decision Fusion for Distributed Hydrophone Leak Classification. IEEE Access 14, pp. 87270-87289.
- HALVONIK, D. et al. (2026). Spatial, Climate, and Physics Effects in Global DNI Prediction: A Reproducible Large-Scale Study with Computational Profiling. IEEE Access 14, pp. 70046 - 70059
- PECUCHOVA, J., BENKO, L., DRLIK, M. (2026). Reimagining feedback through generative AI in engineering education. Computers and Education Artificial Intelligence. 2026, 10, 100574
- SKALKA, J. et al. (2026). Anchored Log-Based User Personas: A Typology-Guided Framework for Clustering Gameplay Behavior. IEEE Access 14, pp. 14558-14578.
- VOJTEK, M. et al. (2026). High-resolution dataset (2017-2023) of physical-geographical predictors for machine learning modelling of fluvial flooding: the Gidra river case, Slovakia. Data in Brief 64.
- PECUCHOVA, J., BENKO, L., DRLIK, M. (2025). Automated Grading of Open-Ended Questions in Higher Education Using GenAI Models. International Journal of Artificial Intelligence in Education 35(6), pp.3813-3846.
- PECUCHOVA, J., DRLIK, M. (2024). Enhancing the Early Student Dropout Prediction Model Through Clustering Analysis of Students' Digital Traces. IEEE Access 12, pp.159336-159367.
- MORZE, N., SMYRNOVA-TRYBULSKA, E., DRLÍK, M., BUINYTSKA, O. (2023). Development of Advanced Digital Ecosystems at Universities: A Study Comparing Experiences from Ukraine, Poland and Slovakia. In European Journal of Education, vol. 58, no. 4, pp. 647–664.
- SKALKA, J., DRLIK, M. (2023). Development of Automatic Source Code Evaluation Tests Using Grey-Box Methods: A Programming Education Case Study. In IEEE Access, vol. 11, pp. 106772-106792, doi: 10.1109/ACCESS.2023.3317694.
- DRLIK, M., MUNK, M., SKALKA, J. (2021). Identification of Changes in VLE Stakeholders' Behavior Over Time Using Frequent Patterns Mining. In IEEE Access, vol. 9, pp. 23795-

23813, doi: 10.1109/ACCESS.2021.3056191.
- KAPUSTA, J., DRLIK, M., MUNK, M. (2021). Using of N-grams From Morphological Tags for Fake News. In PeerJ Computer Science, vol. 2021, no. 7, pp. 1-27. 7:e624, doi:10.7717/peerj-cs.624.
- PECUCHOVA, J., DRLIK, M. (2021). Towards Predicting Students' Dropout in University Courses Using Different Machine Learning Techniques. Appl. Sci. 2021, 11(7), 3130.
- SKALKA, J. et al. (2021). Conceptual Framework for Programming Skills Development Based on Microlearning and Automated Source Code Evaluation in Virtual Learning Environment. Sustainability 2021, 13(6), 3293.
- DRLIK, M., MUNK, M. (2019). Understanding Time-Based Trends in Stakeholders' Choice of Learning Activity Type Using Predictive Models. IEEE Access, 2019, 7, 3106-3121.
- KAPUSTA, J., MUNK, M., HALVONIK, D., DRLIK, M. (2019). User Identification in the Process of Web Usage Data Preprocessing. In: International Journal of Emerging Technologies in Learning. - ISSN 1868-8799, vol. 14, č. 9 (2019), s. 21-33. I.
- KAPUSTA, J., MUNK, M., DRLIK, M. (2018). Website Structure Improvement Based on the Combination of Selected Web Structure and Web Usage Mining Methods. International Journal of Information Technology & Decision Making, Nov 2018, 17(6), 1743-1776.
- MUNK, M., DRLIK, M., BENKO, L., REICHEL, J. (2017). Quantitative and Qualitative Evaluation of Sequence Patterns Found by Application of Different Educational Data Preprocessing Techniques. IEEE Access, 2017, 5, 8989-9004.
- NOSKOVA, T., PAVLOVA, T., YAKOVLEVA, O., MORZE, N., DRLIK, M. (2016). Quality features of university information environment in its external indicators. International Journal of Continuing Engineering Education and Life-Long Learning, 2016, 26(2), 196-216.
- KAPUSTA, J., MUNK, M., DRLIK, M. (2015). Identification of Underestimated and Overestimated Web Pages Using Page Rank and Web Usage Mining Methods. In Transactions on Computational Collective Intelligence XVIII. 2015, vol. 9240, p. 127-146.
- MUNK, M., DRLIK, M. (2013). Analysis of Stakeholders' Behaviour Depending on Time in Virtual Learning Environment. Applied Mathematics & Information Sciences, Mar 2014, 8(2), 773-785.
- MUNK, M., DRLIK, M., KAPUSTA, J., MUNKOVA, D. (2013). Methodology Design for Data Preparation in the Process of Discovering Patterns of Web Users Behaviour. Applied Mathematics & Information Sciences, Feb 2013, 7, 27-36.
- SKALKA, J., DRLIK, M. (2009). Avoiding Plagiarism in Computer Science E-Learning Courses. Problems of Education in the 21st Century, 2009, 16, 95-101.
- HVORECKY, J., DRLIK, M. (2007). From Questions to Queries. International Journal of Emerging Technologies in Learning, 2007, 2(4), 13-19.

Books

- DRLIK, M. (2024). Learning Analytics. 1. ed., Nitra, UKF, 2024. - 218 s. - ISBN 978-80-558-2232-7.
- KOMMERS, P. et al. (2024). Ethical and Social Aspects of AI. 1. ed., Nitra. UKF, 2024. - 230 s. - ISBN 978-80-558-2223-5.
- SMYRNOVA-TRYBULSKA, E., KOMMERS, P., DRLÍK, M., SKALKA, J. (2022). Microlearning: New Approaches to a More Effective Higher Education. Springer Nature Switzerland AG. pp. 1–230, ISBN: 978-303113359-6 , doi: 10.1007/978-3-031-13359-6
- DRLIK. M. (2020). Selected Topics of Data Analysis and Software Development in the Learning Analytics Domain. ITA Academy.
- DRLIK, M. et al. (2013). Moodle: Complete Guideline for Development and Administration of Electronic Courses. 1. ed. - Brno: Computer Press, 2013. - 344 s. - ISBN 978-80-251-3759-8.
- RABOVA, I., DRLIK, M. (2013). Enterprise Information Systems: Architecture and Development. 1. Ed. Nitra. UKF, 2013. - 165 s. - ISBN 978-80-558-0287-9.
- TURCANI M. et al. (2011). Methods of Data Modelling and Analysis in Information Systems. (in Slovak). Nitra. UKF, 2011. - 208 s. - ISBN 978-80-558-0034-9.

Book Chapters

- DRLIK, M., SKALKA, J. (2025). Towards Choosing Appropriate Research Design for Evaluating Generative AI's Impact on Solving Complex Tasks. In. E-learning & Interactive Learning. Generative Artificial Intelligence (GAI), Gamification and Immersive Technologies (AR/VR) in Educational Practice and Research. Springer.
- MUNK, M., DRLIK, M. (2016). Methodology of Predictive Modeling of Students' Behavior in Virtual Learning Environment, 2016. In. Formative Assessment, Learning Data Analytics and Gamification: in ICT Education. - Amsterdam: Elsevier, 2016. - ISBN 978-0-12-803637-2, P. 187-216.

- SVEC, P., DRLIK, M., NOSKOVA, T., PAVLOVA, T. et al. (2017). Analysis of University e-Environment in Selected European Countries - IRNet Case Study. In Sustainability, Green It and Education Strategies in the Twenty-First Century. 2017, p. 473-501.

Conference Papers

- CHAMAN, V., ILLES, Z., DRLIK, M. (2026). Real-Time Demographic Variation in ChatGPT's Content Evaluation. Procedia Computer Science. ICMLDE 2026, vol. 282, pp. 3175–3183.
- PECUCHOVA, J., DRLIK, M. (2026). Unveiling Behavioral Patterns in Virtual Environments through Machine Learning Techniques. Procedia Computer Science. ICMLDE 2026, vol. 283, 2026, pp. 2546-2556.
- PECUCHOVA, J., BENKO, L., DRLIK, M. (2026). Exploring Generative AI Models for Constructive Feedback in Programming Tasks. In: Innovation Via Collaborative Learning in Engineering Education, ICL 2025, 2, vol. 1847, pp. 373-384.
- DRLIK, M., KAPUSTA, J. (2025). Uncovering Time-Related Students' Behavioural Patterns in Virtual Learning Environments. In: Proceedings of the International Conferences on Mobile Learning 2025 and Educational Technologies 2025, pp. 185–191.
- PECUCHOVA, J., DRLIK, M. (2025). The Role of Generative Artificial Intelligence in the Assessment of Open-Ended Questions. In: Futureproofing Engineering Education for Global Responsibility. (ICL 2024), Lecture Notes in Networks and Systems, 2025, 1260 LNNS, pp. 394–405.
- SKALKA, J., VALKO, M., DRLIK, M. (2025). Rapid Guessing Behaviour Identification in Programming Courses. In: Proceedings of the International Conferences on Mobile Learning and Educational Technologies 2025, pp. 239–244.
- DRLIK, M., PECUCHOVA, J. (2025). Unveiling Behavioral Patterns in Virtual Environments through Machine Learning Techniques. In: International Conference on Machine Learning and Data Engineering (ICMLDE-2025), Procedia Computer Science 2025.
- ALI, A., DRLIK, M. WADI, M., ELMASRY, W. (2025). Enhancing Privacy in Smart Grids and IOTs Systems by Using Federated Learning: Case Study. In: 7th International Conference on Smart Applications Communications and Networking Smartnets 2025.
- POPOVYCH, V. - DRLIK, M. (2023) Towards Development of Data Architecture for Learning Analytics Projects Using Data Engineering Approach. In Lecture Notes in Networks and Systems, 2023, 664 LNNS, pp. 517–529.
- PECUCHOVA J., DRLIK, M. (2023) The Importance of Selected LMS Logs Pre-processing Tasks on the Performance Metrics of Classification Models. In Lecture Notes in Electrical Engineering, 2023, 1011 LNEE, pp. 121–133.
- SKALKA, J., DRLIK, M., OBONYA, J. (2019). Automated Assessment in Learning and Teaching Programming Languages using Virtual Learning Environment. In: EDUCON2019: the IEEE Global Engineering Education Conference, Dubai, April 9-11, 2019. - Dubai: IEEE, 2019. - ISBN 978-1-5386-9506-7, S. 689-697. I.
- DRLIK, M. (2018). Identification of necessary tasks for effective Adoption of Learning Analytics at the University. Divai 2018: 12th International Scientific Conference on Distance Learning in Applied Informatics, 2018, 405-418.
- SKALKA, J., DRLIK, M. (2017). Conceptual Framework of Microlearning-Based Training Mobile Application for Improving Programming Skills. In: IMCL 2017: 11th International Conference on Interactive Mobile Communication Technologies and Learning, IMCL2017; Thessaloniki; Greece; 30 November 2017 - 1 December 2017; Auer M., Tsiatsos T. (eds). - Cham: Springer, 2018. - ISSN 978-3-319-75174-0, P. 213-224.
- SKALKA, J., DRLIK, M. (2018). Educational Model for Improving Programming Skills based on Conceptual Microlearning Framework. In: ICL 2018: 21th International Conference on Interactive Collaborative Learning, 25-28 September 2018, Kos. - ISSN 2194-5357, P. 490-501.
- DRLIK, M. (2018). Understanding of Time-based Trends in Virtual Learning Environment Stakeholders' Behaviour. In: ICL 2018: 21th International Conference on Interactive Collaborative Learning, 25-28 September 2018, Kos. - Berlin: Springer, 2018. - ISSN 2194-5357, P. 514-525.
- SKALKA, J., DRLIK, M. (2018). Priscilla – Proposal of System Architecture for Programming Learning and Teaching Environment. In: AICT2018: IEEE 12th International Conference on Application of Information and Communication Technologies, Almaty, 17-19 October 2018. - Almaty: IEEE, 2018. - ISBN 978-1-5386-6467-4, P. 414-419.
- DRLIK, M. SKALKA, J., SVEC, P., KAPUSTA, J. (2018). Proposal of Learning Analytics Architecture Integration into University IT Infrastructure. In: AICT2018: IEEE 12th International Conference on Application of Information and Communication Technologies, Almaty, 17-19 October 2018 / Abzetdin Adamov. - Almaty: IEEE, 2018. - ISBN 978-1-5386-6467-4, P. 265-271.

- CAPAY, M., SKALKA, J., DRLIK, M. (2017). Computer Science Learning Activities Based on Experience. In Proceedings of 2017 IEEE Global Engineering Education Conference (Educon2017). 2017, p. 1363-1372.
- DRLIK, M., SVEC, P., TOMANOVA, J., CAPAY, M. (2017). How to Reduce Differences Between Requirements of Modern LMSs and Their Real Use. In Effective Development of Teachers' Skills in the Area of ICT and E-Learning. 2017, vol. 9, p. 409-417.
- CAPAY, M., DRLIK, M., SVEC, P., TOMANOVA, J. et al. (2016). Attitudes and Expectations on Virtual Environments of the Universities. DIVAI 2016: 11th International Scientific Conference on Distance Learning in Applied Informatics, 2016, 273-284.
- MUNKOVA, D., KAPUSTA, J., DRLIK, M. (2016). System for Post-Editing and Automatic Error Classification of Machine Translation. DIVAI 2016: 11th International Scientific Conference on Distance Learning in Applied Informatics, 2016, 571-579.
- KAPUSTA, J., MUNK, M., DRLIK, M. (2015). Experimental Verification of the Dependence Between the Expected and Observed Visit Rate of Web Pages. In D.S. HUANG AND K. HAN eds. Advanced Intelligent Computing Theories and Applications, ICIC 2015, Pt Iii. 2015, vol. 9227, p. 637-648.
- DRLIK, M., SVEC, P., SKALKA, J. (2014). Comparison of Approaches to the Data Analysis in the Virtual Learning Environments. Divai 2014: 10th International Scientific Conference on Distance Learning in Applied Informatics, 2014, 561-572.
- KAPUSTA, J., MUNK, M., DRLIK, M. (2014). Analysis of Differences between Expected and Observed Probability of Accesses to Web Pages. In Computational Collective Intelligence: Technologies and Applications, ICCCI 2014. 2014, vol. 8733, p. 673-683.
- MUNK, M., PILKOVA, A., KAPUSTA, J., SVEC, P., DRLIK, M. et al. (2013). Pillar 3 and Modelling of Stakeholders Behaviour at the Commercial Bank Website during the Recent Financial Crisis. 2013 International Conference on Computational Science, 2013, 18, 1747-1756.
- SKALKA, J., DRLIK, M., SVEC, P. (2013). Knowledge Discovery from University Information Systems for Purposes of Quality Assurance Implementation. 2013 IEEE Global Engineering Education Conference (EDUCON), 2013, 591-596.
- SKALKA, J., DRLIK, M., SVEC, P. (2012). E-learning Courses Quality Evaluation Framework as Part of Quality Assurance in Higher Education. 2012 15th International Conference on Interactive Collaborative Learning (ICL), 2012.
- DRLIK, M., MUNK, M., SKALKA, J. (2011). Usage analysis of system for theses acquisition and plagiarism detection. World Conference on Information Technology (Wcit-2010), 2011, 3.
- MUNK, M., DRLIK, M. (2011). Influence of Different Session Timeouts Thresholds on Results of Sequence Rule Analysis in Educational Data Mining. Digital Information and Communication Technology and Its Applications, Pt I, 2011, 166, 60-74.
- MUNK, M., DRLIK, M. (2011). Impact of Different Pre-Processing Tasks on Effective identification of Users' Behavioral Patterns in Web-based Educational System. Proceedings of the International Conference on Computational Science (ICCS), 2011, 4, 1640-1649.
- MUNK, M., DRLIK, M., VRABELOVA, M. (2011). Probability Modelling of Accesses to the Course Activities in the Web-Based Educational System. Computational Science and Its Applications - ICCSA 2011, Pt V, 2011, 6786, 485-499.
- HVORECKY, J., DRLIK, M., MUNK, M. (2010). The effect of visual query languages on the improvement of information retrieval skills. Innovation and Creativity in Education, 2010, 2(2), 717-723.

Reviewer Board Member

- IEEE Access
- IEEE Transactions on Education
- IEEE Transactions on Learning Technologies
- IEEE Transactions on Big Data
- ACM Transactions on Computer-Human Interaction
- ACM Transactions on Computing Education
- Applied Artificial Intelligence
- Behavior Research Methods
- Cogent Education
- Communications in Statistics - Simulation and Computation
- Education and Information Technologies
- Education and Training
- European Journal of Education
- Engineering Reports
- Future Internet

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- Heliyon
- Intelligent Data Analysis
- International Journal of Continuing Engineering Education and Life-Long Learning
- International Journal of Web-Based Communities
- IT Professional
- Journal of Education for Students Placed at Risk
- Journal of Further and Higher Education
- Journal of Internet Technology
- Journal of Learning Analytics
- Library Hi Tech
- PeerJ Computer Science
- Plos One
- Scientific Reports
- Smart Learning Environments
- Smart Science
- Technology, Knowledge and Learning
- MDPI Applied Science
- MDPI Complexity
- MDPI Informatics
- MDPI Future Internet
- MDPI Technologies

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