Educational Technology Quarterly: in the beginning

Serhiy O. Semerikov

1Kryvyi Rih State Pedagogical University, 54 Gagarin Ave., Kryvyi Rih, 50086, Ukraine
2Kryvyi Rih National University, 11 Vitalii Matusyevych Str., Kryvyi Rih, 50027, Ukraine
3Institute for Digitalisation of Education of the NAES of Ukraine, 9 M. Berlynskoho Str., Kyiv, 04060, Ukraine

Abstract. The editorial that opens the 1st issue of Educational Technology Quarterly.

Keywords: Educational Technology Quarterly, ETQ, Educ. Technol. Q

1. About the journal

Educational Technology Quarterly (ETQ, Educ. Technol. Q) is a Diamond Open Access peer-reviewed journal focused on the ways in which digital technology can enhance education. ETQ welcomes research papers on the pedagogical uses of digital technology where the focus is broad enough to be of interest to a wider education community.

In addition to empirical work, we welcome systematic reviews and meta-analyses that include clear research questions, a framework of analysis, and conclusions that reflect the aims of the paper. ETQ also offers the opportunity to publish special issues or sections to reflect current interest and research in topical or developing areas.

2. Journal history

The journal was established by the Academy of Cognitive and Natural Sciences, an international non-governmental organization whose mission is to advance the professional, scientific, social, and other interests of researchers in the field of cognitive and natural sciences, as well as to improve research.

Our inspiration for this journal comes from the pioneering work of Myroslav I. Zhaldak [247–251], a renowned academic who is known as the Father of Educational Technology in both the USSR and Ukraine. The final concept of the journal was presented at the Symposium on Advances in Educational Technology on November 12-13, 2020, in Kyiv, Ukraine.

3. Editorial board

Assoc. Prof. Leon A. Abdillah, Associate Professor of Computer Science, Department of Information Systems, Universitas Bina Darma, Palembang, Indonesia.
Leon was born in West Limau, Prabumulih, South Sumatra. He has studied Information Systems, Information Systems Management, and Information Retrieval Systems during his studies. In 2001 he joined as a lecturer at one of the leading private universities in Palembang City. In 2010 he became an Associate Professor (Assoc. Prof.) at the Faculty of Computer Science, Information Systems Study Program (Accredited A). He is currently the coordinator of the enterprise systems research group. Assoc. Prof. Leon A. Abdillah is active as a speaker, author, editor, reviewer, committee on a number of journals, conferences/seminars, books/book chapters, etc. He has included 500 Indonesian scientists (Webometrics, 2015), examiners at Monash University (Group of Eight), Australia, and mentors at Publons, New Zealand. He also often gets awards for the best undergraduate and post graduate category, the best computer science lecturer, the best reference article, excellent paper, top reviewer, selected article, etc.

WWW: https://leonabdillah.wordpress.com/
ORCID: https://orcid.org/0000-0001-9733-1110
Notable works: Abdillah [1], Abdillah et al. [2], Abdillah, Sari and Indriani [3], Kurniasih et al. [109], Napitupulu et al. [138].
Dr. Ernest Afari, Assistant Professor of Mathematics Education, University of Bahrain, Kingdom of Bahrain.

Dr. Afari holds a Ph.D. in Mathematics Education from Curtin University, Australia, and an MSc (Mathematics) from the University of British Columbia, Vancouver, Canada. His research focuses on structural equation modelling, psychometrics, and the application of statistical procedures to education. He has published over 50 peer-reviewed journal articles and book chapters. Dr. Afari is an editorial board member of Learning Environments Research and has been a reviewer for several journals, including the International Journal of Science and Mathematics Education, Learning Environments Research, and Instructional Sciences.

WWW: http://www.btc.uob.edu.bh/btc-faculties
ORCID: https://orcid.org/0000-0003-2814-4439
Notable works: Afari [5], Afari et al. [6], Afari, Ward and Khine [7], Khine and Afari [88], Khine, Ali and Afari [89].
E-mail: ernest.afari@gmail.com

Dr. Fernando Almeida, Professor of Computer Science and Innovation, Head of School of Science and Technology, ISPGAYA, V.N.Gaia, Portugal.

Fernando Luis Almeida has a Ph.D. in Computer Science Engineering from the Faculty of Engineering of University of Porto (FEUP). He also holds an MSc in Innovation and Entrepreneurship and in Informatics Engineering from FEUP. He has around 10 years of teaching experience at higher education levels in the field of computer science and management. He has also worked for 15 years in several positions as a software engineer and project manager for large organizations and research centers like Critical Software, CICA/SEF, INESC TEC, and ISR Porto. He is a founder member of the International Association of Innovation Professionals and he is involved in the development of the US TAG group for ISO 56000 (Innovation Management). His current research areas include innovation policies, entrepreneurship, software development, and decision support systems.

WWW: https://web.fe.up.pt/~ei98047/biography.htm
ORCID: https://orcid.org/0000-0002-6758-4843
Notable works: Almeida [8], Almeida and Buzády [9], Almeida and Monteiro [10, 11], Almeida and Simoes [12].
E-mail: almd@fe.up.pt
Dmytro Antoniuk, Assistant Professor of the Department of Software Engineering, Zhytomyr Polytechnic State University, Zhytomyr, Ukraine.

Dmytro Antoniuk, born in 1981, received a Candidate of Pedagogical Sciences degree (PhD) from the Institute of Information Technologies and Learning Tools, Ukraine, in 2018. Since 2003, he has been working in the field of Software Engineering and Information Technologies at the Zhytomyr Polytechnic State University, where he is currently Assistant Professor of the Department of Software Engineering and in the practical field of IT business. His research interests include software engineering, business in IT, computer-based business-simulation, economic and financial literacy of technical professionals. He has published a number of papers and proceedings in the journals and material of conferences.

WWW: https://www.researchgate.net/profile/Dmitry-Antonyuk
ORCID: https://orcid.org/0000-0001-7496-3553

Notable works: Martseva et al. [123], Vakaliuk et al. [224], Vakaliuk, Antoniuk and Soloviev [228], Vakaliuk et al. [229, 230].
E-mail: dmitry_antonyuk@yahoo.com

Dr. Liudmyla Bilousova, Full Professor, Independent researcher, Kharkiv, Ukraine.

Liudmyla Bilousova got a M.A. in Radio-physics from Kharkiv State University, USSR (1959), and PhD in physical-mathematical science from Kharkiv State University, USSR (1970). Liudmyla Bilousova headed Computer Science Department at H.S. Skovoroda Kharkiv National Pedagogical University for 27 years (1991-2018). She is a founder and a head of her scientific school on the problems of development of Informatics education and the implementation of innovative technologies in educational process. In the framework of the school a series of PhD and doctoral research has been completed. Dr. Liudmyla Bilousova is a scientific supervisor of 23 PhD theses. She is an author of about 400 scientific and methodical works including 5 collective monograph and 64 tutorials. Liudmyla Bilousova is a PC member of International Conference ICTERI-2019, International Workshop CTE, and ICon-MaSTEd 2020.
WWW: http://hnpu.edu.ua/uk/bilousova-lyudmyla-ivanivna
ORCID: https://orcid.org/0000-0002-2364-1885

Notable works: Bilousova, Gryzun and Sivochka [21], Bilousova et al. [22], Bilousova, Kolgatin and Kolgatina [23, 24], Bilousova and Zhytienova [30].
E-mail: lib215@gmail.com
Dr. Nelio Bizzo, Full Senior Professor of Science Education, Faculty of Education, University of São Paulo and Institute of Environmental, Chemical and Pharmaceutical Sciences, Federal University of São Paulo, both in the metropolitan area of São Paulo, Brazil.

Nelio Bizzo, born in 1959 graduated in Biology at the University of São Paulo, where he got a Master in Biology Degree (Genetics and Evolution). His doctoral studies were done in the same institution, with a sandwich scholarship in the United Kingdom, as a PhD student at Liverpool University, with research carried out in the Manuscripts Room, University of Cambridge Library, British Library and Down House Memorial. His thesis analyses the manuscripts of the first edition of Origin of Species and students’ thoughts about the theory of evolution. He has published a number of papers in international journals as Science Advances (AAAS), Journal of the History of Biology, JRST, Science Education, Journal of Biological Education (UK) Science & Pseudosciences (France), Enseñanza de las Ciencias (Spain) and in Brazilian journals.

WWW: https://www.neliobizzo.pro.br
ORCID: https://orcid.org/0000-0002-7209-2659
Notable works: Bizzo [32], Bizzo and Caravita [33], Franzolin, Garcia and Bizzo [60], Garcia and Bizzo [61], Oliveira, Silva de Pietri and Bizzo [148].

Prof. Mario Brun, Centre for Innovation and Development in Education and Technology (CIDET), Portugal.

Prof. Mario Brun is an educational researcher who currently directs the Centre for Innovation and Development on Education and Technology (CIDET), a newly established research institute in Argentina. He acts, as well, as senior or associate consultant for several international agencies: the United Nations Economic Commission for Latin American and the Caribbean (ECLAC); the United Nations Educational, Scientific and Cultural Organization (UNESCO); the Inter-American Development Bank (IADB); the Organization for Economic Co-operation and Development (OECD), among others. He has also conducted several research projects; published papers in a number of journals, and lectured in different international events. Prof. Brun also has several degrees in Teaching and Computer Sciences and post-graduate qualifications on ICT in Education, Exact Sciences Teaching and Educational Research; being his main research interest the use of ICT in Initial Teacher Education.

WWW: https://www.neliobizzo.pro.br
ORCID: https://orcid.org/0000-0002-8707-0508
Notable works: Blignaut et al. [34], Brun [36, 37], Brun and Hinostroza [38], Enrique Hinostroza et al. [53].

Dr. Chun-Yen (Jim) Chang, National Normal Taiwan University, Science Education Center, Taiwan.

Dr. Chang now is the Editor-in-Chief of the Eurasia Journal of Mathematics, Science and Technology Education and European Journal of Mathematics and Science Education, as well as the Co-editor of International Journal of Educational Methodology. He is also on the Editorial Board of three SSCI-level journals: (1) Studies in Science Education (science education); (2) Learning, Media & Technology (learning technology); (3) Journal of Science Education and Technology (science education & technology). In February 2013, Dr. Chang’s catechol-O-methyltransferase (COMT) study was privileged with a report by the New York Times Sunday Magazine, as well as in the news featured on Association of Psychological Science website.

WWW: http://changcy.com/index_eng.html
ORCID: https://orcid.org/0000-0003-2373-2004
Notable works: Chang [41, 42, 43, 44, 45].
E-mail: changcy@ntnu.edu.tw

Prof. Dr Tetiana M. Derkach, Chair of Professional Education in Technologies and Design, Professor at the Department of Industrial Pharmacy at Kyiv National University of Technologies and Design, Kyiv, Ukraine.

Education: Doctor of Science in Education (Habilitation), Institute of Higher Education of the National Academy of Educational Sciences of Ukraine, Kyiv, 2015; PhD in Chemistry, Ukrainian State University of Chemical Technology, Dnipropetrovsk, 2000; MSc with Highest Honours in Physical Chemistry, Faculty of Chemistry, Dnipropetrovsk State University, 1987. Publications/Presentations: Author/co-author of more than 200 publications in refereed journals, conference proceedings and patents. The publication list includes three monographs, seven textbooks, such as textbooks “Inorganic Chemistry for Technologists”, “Analytical Chemistry for Technologists”, “Information and Communication Technologies in Chemistry Teaching”, etc. Organising committees for a few national/international conferences in chemistry and education. Research interests and hands-on experience in experimental work: development of new experimental techniques in analytical chemistry; application of information and communication technologies in...
education; formation of chemical competencies in a mixed learning environment.

WWW: https://en.knutd.edu.ua/university/faculties/flit/tlppmpn/
ORCID: https://orcid.org/0000-0003-1087-8274
Notable works: Derkach [48, 49], Derkach and Kharitonenko [50], Kolchanova, Derkach and Starova [91], Konovalenko et al. [101].
E-mail: derkach.tm@knutd.edu.ua

Dr. Emre Erturk, PhD, Eastern Institute of Technology, New Zealand.
Emre Erturk joined EIT in 2011. He earned his PhD from the University of Oklahoma in 2007. Emre has experience teaching in distance learning as well as face-to-face. He also has a background in institutional research. Emre won the CEO’s Research Award in 2017. Recently, he has held a number of leadership roles in community organizations, the Royal Society of New Zealand, and CITRENZ (Computing and Information Technology Research and Education New Zealand).
WWW: https://www.eit.ac.nz/staff/emre-erturk/
ORCID: https://orcid.org/0000-0002-8592-2973
Notable works: Day and Erturk [47], Erturk [54, 55], Er-
turk and Reynolds [56], Purdon and Erturk [173].
E-mail: eerturk@eit.ac.nz

Ing. Helena Fidlerová, Ph.D., a senior researcher at the Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava, Institute of Industrial Engineering and Management, Slovakia
Ing. Helena Fidlerová, Ph.D. received her Ph.D. degree in the field of Industrial Management in 2006. Her research aims at issues of education, STEM education, digital competences, Industry 4.0, Education 4.0, industrial engineering, sustainable competences, and the application of statistical methods. Since her study has extensive experience in domestic research projects under Slovak Ministry of Education VEGA, KEGA), and international projects e.g. ALTECS – Knowledge exchange in the framework of alternative economic systems for the promotion of sustainable regional development; International Visegrad Fund No. 21810100: Academic Research Consortium integrating databases, robotics, and language technologies. She is a project leader for Slovakia in Erasmus+ KA2 project: Knowledge Alliance for Business Opportunity Recognition in SDGs. She is a member of the Slovak Statistical and Demographic Society (SDSS), a member of the International Association of Engineers (IAENG) and member of the editorial board of Acta Logistica.
ORCID: https://orcid.org/0000-0002-3426-5803
Notable works: Bajdor, Pawełoszek and Fidlerova [17], Fidlerová et al. [58], Porubčinová and Fidlerová [169], Porubčinová, Novotná and Fidlerová [170], Surówka, Popławski and Fidlerová [212].
E-mail: helena.fidlerova@stuba.sk
Prof. Dr. Yüksel Göktaş, Atatürk University, Turkey.

Born on December 15, 1975 in Muğla Milas, Yüksel Göktaş graduated from Gazi University Computer Education Department in 1998. He worked as a technical staff in different IT companies and as a Computer Teacher in the Ministry of National Education. He completed his master’s degree in the Department of Computer Education and Instructional Technologies at METU in 2003, and his doctorate in the same department in 2006. Between 2005-2006, he worked as a visiting researcher in the Department of Instructional Technologies at Purdue University, USA. Between 2007 and 2021, he worked as a lecturer at Atatürk University, Department of Computer Education and Instructional Technologies. Since 2021, he has been working as a faculty member and head of the Department of Software Engineering at the same university.

WWW: https://yukselgoktas.com/
ORCID: https://orcid.org/0000-0002-7341-2466
Notable works: Goktas, Coban and Karakus [62], Goktas and Demirel [63], Goktas, Yildirim and Yildirim [64, 65, 66].

Prof. Vitor Barrigão Gonçalves, CIEB-IPB (Research Center in Basic Education - Instituto Politécnico de Bragança), Portugal.

Professor at the Department of Educational Technology and Information Management and Coordinator of the International Relations Office in the School of Education of the Polytechnic Institute of Bragança. He got his PhD in Electrical and Computer Engineering and Master in Multimedia Technology in the Faculty of Engineering of the University of Oporto. Got his degree in Management Informatics in the University of Minho. Main areas: Educational Technologies, Entrepreneurship, Project management.

WWW: https://tinyurl.com/36e33837
ORCID: https://orcid.org/0000-0002-0645-6776
Notable works: Figueiredo, Cifredo-Chacón and Gonçalves [59], Gonçalves and Gonçalves [67, 68], Lopes and Gonçalves [117], Morais, Gonçalves and Bambirra de Assis [133].

Dr. Liudmyla Gryzun, Full Professor of Information System Department at Simon Kuznets Kharkiv National University of Economics, Ukraine.

Liudmyla Gryzun earned a M.A. in Applied Mathematics from the Kharkiv State University, USSR (1986); PhD and Second Doctoral Degree in Pedagogical science from H.S. Skovoroda Kharkiv National Pedagogical University (Ukraine). The sphere of her research is focused on the curriculum and educational content design in higher education, the process of curriculum disciplines structuring, based on scientific knowledge integration; AI application to pedagogical
problems solution; IT tools for inquiry-based and holistic learning etc.

She is an author of more than 120 scientific and methodical works including 1 monograph, 2 collective monographs, and 6 tutorials. Liudmyla Gryzun has delivered a number of Keynote presentations at the International conferences: 2018 ICTEL (Rome, Italy), 2018 ICRTEL (Barcelona, Spain), 2019 ICSTR (Rome, Italy), 2020 ICSTR (Berlin, Germany; Paris, France; London, UK) and others. She is also a reviewer of the foreign journals (Universal Journal of Educational Research (USA); Athens Journal of Education, IJIRES (International Journal of Innovation and Research in Educational Sciences)). Liudmyla Gryzun is a PC member of International Workshop CTE and ICOn-MaSTEd 2020.

WWW: https://www.researchgate.net/profile/Liudmyla_Gryzun
ORCID: https://orcid.org/0000-0002-5274-5624
Notable works: Bilousova and Gryzun [25], Bilousova et al. [26, 27], Bilousova, Gryzun and Volkova [28], Bilousova, Gryzun and Zhytienova [29].
E-mail: Lgr2007@ukr.net

Dr. Yasemin Gülbahar, Professor of Computer Education and Instructional Technologies (CEIT), Ankara University, Ankara, Turkey.

Dr. Gülbahar has got her BS degree from Department of Mathematics of Science Faculty at Middle East Technical University (METU) in 1992. Same year she started working as a programmer at METU Computer Center. Then, in 1998, she became a research assistant to the Department of CEIT in the Faculty of Education, METU while studying her MS degree at the same department. She earned his MS degree in the field of Science Education at METU Graduate School of Science in 1999 and she received her PhD in Department of CEIT from Graduate School of Sciences in 2002. After, she worked for Başkent University Faculty of Education Department of CEIT for about 9 years. Since 2011 she is a faculty member of Ankara University. Dr. Gülbahar has got her Associate Professor degree in 2009 and full Professor Degree in 2014. Yasemin Gülbahar has lectured on many topics such as programming languages, problem solving and algorithms, instructional technologies, instructional design, material design and development, distance learning, web design, measurement and evaluation, research methods, teaching methods, software development, technology integration and planning both in undergraduate and graduate level. She has also many national and international publications as books, book chapters, journal articles and proceeding papers.

WWW: http://cv.ankara.edu.tr/gulbahar@ankara.edu.tr
ORCID: https://orcid.org/0000-0002-1726-3224
Notable works: Gülbahar [69, 70, 71, 72], Kandemir, Kalelioğlu and Gülbahar [85].
E-mail: gulbahar@ankara.edu.tr

Dr. Olena Hrybiuk, PhD, Associate Professor, Leading Researcher at the Institute for Digitalisation of Education of the NAES of Ukraine, Ukraine.

The main goal of her research is a development of knowledge on influence of the expansion of ICT tools on the cognitive processes, and variable models of computer-based learning environment of studying subjects of the natural-mathematical cycle in a general educational institution.

ORCID: https://orcid.org/0000-0003-3402-0520
Notable works: Hrybiuk [74, 75, 76], Hrybiuk and Szafran [77], Hrybiuk et al. [78].
E-mail: olenagrybyuk@gmail.com

Dr. Dragos Daniel Iordache, ICI Bucharest, Romania.

Dragos Daniel Iordache is a scientific researcher 2nd degree in the “Systems and Applications for Society” department of ICI Bucharest and university lecturer at the Faculty of Psychology and Educational Sciences from University of Bucharest. He received the PhD degree in Science of Education from the University of Bucharest in 2012. His research interests include: virtual learning environments, augmented reality, professional and career counseling, usability and pedagogical evaluation of e-Learning systems, user testing and heuristic evaluation of interactive systems.

WWW: https://www.researchgate.net/profile/Dragos_Iordache
ORCID: https://orcid.org/0000-0002-0032-6495
Notable works: Iordache [81, 82], Iordache and Zamfirou [83], Lamanauskas, Iordache and Pribeanu [113], Pribeanu, Balog and Iordache [171].
E-mail: dragos.iordache@ici.ro

Christos Kaltsidis, ICT Teacher, PhD Candidate at Democritus University of Thrace, Greece.

He is an ICT teacher in secondary education since 2003. He has studied Computer Science at the TEI of Thessaloniki and has a master’s degree in Adult Education from the Hellenic Open University. He is a PhD candidate at the Department of Molecular Biology and Genetics of the Democritus University of Thrace and his research interests include the adaption of virtual reality in education, university pedagogy, and distance education. He actively participates in actions
for Safer Internet usage by students and parents and he is passionate about developing online applications.

WWW: http://utopia.duth.gr/ckaltsid
Notable works: Kaltsidis, Kedraka and Grigoriou [84], Kedraka and Kaltsidis [86], Raikou et al. [174], Rotidi et al. [177], Tzovla, Kedraka and Kaltsidis [219].
ORCID: https://orcid.org/0000-0003-0203-2682
E-mail: ckaltsid@mbg.duth.gr

Dr. Myint Swe Khine, Adjunct Professor of Education, Curtin University, Perth, Australia.

Dr. Khine holds Master’s degrees from the University of Southern California, USA, the University of Surrey, UK, and a Doctorate in Education from Curtin University in Australia. He has taught at leading universities throughout Asia, including Nanyang Technological University in Singapore. His research interests are learning sciences, science, mathematics, STEM education, and educational measurement and assessment. Dr. Khine has supervised several master and doctoral candidates and also served as an external examiner. He is a member of the Editorial Advisory Board of several international academic journals. Throughout his career, he has published over 40 edited books. These include Integrating 3D Printing into Teaching and Learning: Practitioner’s Perspectives (Koninklijke Brill, Netherlands, 2020) and Rasch Measurement: Applications in Quantitative Educational Research (Springer, Singapore, 2020).
WWW: https://staffportal.curtin.edu.au/staff/profile/view/M.Khine/
ORCID: https://orcid.org/0000-0003-2582-7306
Notable works: Alzubaidi, Aldridge and Khine [13], Areepattamannil and Khine [15], Hu et al. [79], Khine [87], Liu and Khine [114].
E-mail: dr.mkhine@gmail.com

Dr. Arnold Kiv, Professor-Researcher in the Department of Materials Engineering, Ben-Gurion University of the Negev, Israel.

Arnold Kiv received the D. Sc. (Dr. Hab.) degree in solid state physics from Tartu Institute of Physics, Tartu, Estonia, in 1978. From 1964 to 1982, he was a Senior Researcher and a Head of the Laboratory of Radiation Effects, Institute of Nuclear Physics, Academy of Sciences, Tashkent, Uzbekistan. From 1983 to 1998, he was a Head of the Department of Theoretical Physics, South-Ukrainian National Pedagogical University, Odessa, Ukraine. In 1997, he was an Invited Professor, Western Ontario University, Canada. From 1999 to the present, he is a Professor-Researcher in the Department of Materials Engineering, Ben-Gurion University of the Negev, Israel. In 1996 and 2011 he was co-Director of NATO Advanced research Workshops and an Editor of two
NATO Series books. He has about 200 publications, three monographs and three Invention Certificates in the field of radiation effects in solid state electronics. His research interests include mechanisms of formation of radiation defects in solids, interaction of fast particles with materials, radiation methods in microelectronics, including computer simulation, analytical calculations and experimental studies.

ORCID: https://orcid.org/0000-0002-0991-2343
Notable works: Kiv et al. [90], Moiseienko et al. [128], Semerikov et al. [186, 189], Shepiliev et al. [193].
E-mail: kiv.arnold20@gmail.com

Dr. Oleksandr Kolgatin, Professor of Informatics, Department of Information Systems, Simon Kuznets Kharkiv National University of Economics, Kharkiv, Ukraine.

Oleksandr Kolgatin, born in 1966, received a Candidate of Technical Sciences degree (Dr. phil.) from the Institute for Low Temperature Physics and Engineering of the National Academy of Sciences of Ukraine, in 1995, the field of scientific interests was computational modeling of the heat and mass transfer processes. Since 1990, he worked in the field of teaching informatics and using information technologies in education and received a Doctor of Pedagogical Sciences degree (Dr. habil.) from the Institute of Information technologies and Learning Tools of the National Academy of Educational Sciences of Ukraine, in 2011. His research interests include computational modeling, pedagogical diagnostics, information systems and technologies in education.

He has published a number of papers in international journals and volumes in book series, is a member of editorial boards of Journal of Information Technologies in Education and associate editor of Information Technologies and Learning Tools.

WWW: http://www.is.hneu.edu.ua/?q=node/294
ORCID: https://orcid.org/0000-0001-8423-2359
Notable works: Kolgatin and Kolgatina [92], Kolgatin et al. [93], Kolhatin [94, 95], Semerikov et al. [188].
E-mail: kolgatin@ukr.net

Elena Komarova, Dr. of Pedagogical Sciences, Immanuel Kant Baltic Federal University, Institute of Living Systems, Kaliningrad, Russia.

Elena Komarova was born in 1978 in the city of Torez, Donetsk region, in a family of teachers. In 2000 she graduated from the Krivoy Rog State Pedagogical University with a degree in Biology and Chemistry. In 2005, defended her thesis, in 2017, her doctoral thesis, specializing in Theory and Methodology of Education (Biology) (Institute of Peda-
Olena Kuzminska, Professor of Department of Information Systems and Technologies, National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine.

Olena Kuzminska, born in 1970, received a Candidate of Pedagogic Sciences degree (PhD) from the National Pedagogical Dragomanov University (Kyiv) in 2008 and a Doctor of Pedagogic Sciences degree (Dr. habil.) from the State Institution “Taras Shevchenko National University of Luhansk”, in 2020. Since 2008, she has been working at the National University of Life and Environmental Sciences of Ukraine. Her research interests include design and integration of scholarly communication tools to digital educational environment of university; use of technologies of inquiry-based and project-based activities and implementation of teamwork approaches as a tool for development of digital competences; transfer and modification of education methods to specialized teaching of research masters’ programs and
courses of e-learning management and scholarly communication. She has published a number of papers in international journals and volumes in book series, is a member of program committee of International Conferences on ICT in Education and Research.

WWW: https://nubip.edu.ua/node/3900
ORCID: https://orcid.org/0000-0002-8849-9648
Notable works: Kuzminska, Morze and Smyrnova-Trybulska [112], Mazorchuk et al. [124, 125], Prokhorov et al. [172], Smyrnova-Trybulska et al. [196].
E-mail: o.kuzminska@nubip.edu.ua

Dr. Alisa Moldavanova, Wayne State University, Detroit, MI, United States.
Alisa V. Moldavanova is Associate Professor of Public Administration and Nonprofit Management in the Political Science Department and Coordinator of the Graduate Certificate in Nonprofit Management. Her research investigates organizational sustainability in the context of public service organizations, the role of inter-organizational networks and other forms of social connectedness in enabling sustainable organizations, as well as how nonprofits and other public service organizations foster sustainable development in their local communities. She is also conducting research on the role of civil society and nonprofit sector organizations in advancing democracy.

WWW: https://clasprofiles.wayne.edu/profile/fk5503
ORCID: https://orcid.org/0000-0001-7475-8373
Notable works: Mitra and Moldavanova [126], Moldavanova [129], Moldavanova and Goerdel [130], Moldavanova, Pierce and Lovrich [131], Moldavanova and Wright [132].

Mattia Monga, Associate Professor, Department of Computer Science Università degli Studi di Milano, Milan, Italy.
Mattia Monga received a PhD in computer and automation engineering from Politecnico di Milano, Italy in 2001. His research interests are mainly in the field of software engineering, system security, and computer science education. He is one of the founders of AlaDDIn, a group working to spread informatics as a science among the general public, he is the national contact for the Bebras game contest and the coordinator for the informatics branch of the national Plan for fostering scientific degrees. He is a senior member of the Association for Computing Machinery.
WWW: https://homes.di.unimi.it/monga
ORCID: https://orcid.org/0000-0003-4852-0067
Notable works: Bellettini et al. [18, 19, 20], Lodi et al. [115], Lonati et al. [116].
E-mail: mattia.monga@unimi.it
Dr. Olga Moreno-Fernández, Assistant Professor of Didactics of Social Sciences, Department of Didactics of Experimental and Social Sciences, University of Seville, Spain.

Olga Moreno-Fernández, has a degree in Humanities and a Diploma in Primary Education. D. from the Universidad Pablo de Olavide with international mention and extraordinary prize for the work “Environmental education and education for citizenship from a planetary perspective. Study of experiences in Andalucía”. She is currently Researcher in charge of the Research Group on Education: Health, Environment and Citizenship (HUM-1027) and editor-in-chief of the journal ESAMEC. Education Journal: Health, Environment and Citizenship. She has participated as a researcher in several research projects, both national and international, related to Citizenship Education. She has published in journals indexed in databases such as SJR or JCR, as well as in publishers indexed in SPI.

WWW: https://investigacion.us.es/sisius/sis_showpub.php?idpers=18069
ORCID: https://orcid.org/0000-0003-4349-8657
Notable works: Badilla Quintana et al. [16], Celia et al. [40], Ferreras-Listán et al. [57], Moreno-Fernandez and Moreno-Crespo [134], Navarro-Díaz, Moreno-Fernández and Rivero-García [139].
E-mail: omoreno@us.es

Pavlo Nechypurenko, Associate Professor of Department of Chemistry and Methods of its Teaching, Kryvyi Rih State Pedagogical University, Kryvyi Rih, Ukraine.

Pavlo Nechypurenko, born in 1981, received a Magister of Teaching of Chemistry from Kryvyi Rih State Pedagogical University, Ukraine, in 2004, and a Candidate of Pedagogical Sciences degree (Dr. phil.) from the Luhansk Taras Shevchenko National University, Ukraine, in 2017. Since 2004, he has been working in the field of analytical chemistry and method of solving chemical problems at the Kryvyi Rih State Pedagogical University. His research interests include using of ICT on Chemistry education, Analytical Chemistry, Technique of chemical experiment. He has published a number of papers in Ukrainian and international journals and developed a series of virtual laboratory work to teaching chemistry.

WWW: https://kdpu.edu.ua/personal/pnpavlo.html
ORCID: https://orcid.org/0000-0001-5397-6523
Notable works: Markova et al. [122], Modlo et al. [127], Nechypurenko and Semerikov [140], Nechypurenko, Selivanova and Fedorynova [141], Nechypurenko et al. [143].
E-mail: acinonyxleo@gmail.com
Yulia Nosenko, Leading Researcher, Department of Cloud-Oriented Systems of Education Informatization, Institute for Digitalisation of Education of the NAES of Ukraine, Kyiv, Ukraine.

Yuliia Nosenko, born in 1984, received a Candidate of Pedagogical Sciences degree (Ph.D.) in 2011. In 2010-2015 worked at Taras Shevchenko National University of Kiev (part time). Since 2010 has been working at the Institute for Digitalisation of Education of the National Academy of Educational Sciences of Ukraine, where she is currently leading researcher. Her research interests relates to implementation and use of cloud services in education, formation and development of educators’ digital competence, use of ICT as a tool for supporting inclusive learning. She has published over 80 scientific papers, including articles in international journals, is a member of editorial board of peer-reviewed e-journal “Information Technologies and Learning Tools”.

ORCID: https://orcid.org/0000-0002-9149-8208
Notable works: Marienko et al. [120], Marienko, Nosenko and Shyshkina [121], Nosenko, Sukhikh and Dmytriienko [144], Nosenko [145], Nosenko, Popel and Shyshkina [146].
E-mail: nosenko-y@ukr.net

Dr. Viacheslav Osadchyi, Professor of Department of Computer Science and Cybernetics, Bogdan Khmelnitsky Melitopol State Pedagogical University, Melitopol, Ukraine.

Viacheslav Osadchyi, born in 1975, received a Candidate of Pedagogical Sciences (PhD in Education) from the Vinnytsia State Pedagogical University named after Mykhailo Kotsiubynsky, Ukraine, in 2006, and a Doctor of Pedagogical Sciences from the Vinnytsia State Pedagogical University named after Mykhailo Kotsiubynsky, Ukraine, in 2013. Since 1999, he has been working in the field of information technology and vocational education at the Bogdan Khmelnitsky Melitopol State Pedagogical University. Now – Head of the Department of Computer Science. His research interests include: computer science, information networks, ICT, programming, software development, information systems, data science. He has published a number of papers in international journals. He is a member of editorial boards of Ukrainian Journal of Educational Studies and Information Technology (Ukraine), Computing Conference (formerly called Science and Information (SAI) Conference) (UK), Intelligent Systems Conference (IntelliSys) (The Netherlands), International Conference on Higher Education Advances (Spain), Transactions of Kremenchuk.
Mykhailo Ostrohradskyi National University (Ukraine), Information Technologies and Learning Tools (Ukraine), Scientific papers of Berdyansk State Pedagogical University Series: Pedagogical sciences (Ukraine).

WWW: http://osadchyi.mdpu.org.ua/
ORCID: https://orcid.org/0000-0001-5659-4774

Notable works: Kruglyk and Osadchyi [104], Osadchyi, Osadcha and Eremeev [150], Osadchyi, Valko and Kuzmich [152], Osadchyi et al. [153], Valko and Osadchyi [233].
E-mail: poliform55@gmail.com

Dr. Liubov Panchenko, Professor at the Department of Sociology, National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Kyiv, Ukraine.

Liubov Panchenko was awarded a Candidate of Pedagogical Sciences degree (Dr. phil.) from H. S. Skovoroda Kharkiv National Pedagogical University, Kharkiv, Ukraine, in 1995, and a Doctor of Pedagogical Sciences degree (Dr. habil.) from the Luhansk Taras Shevchenko National University, in 2012. Since 1993, she has been working in the field of information and communication technology in education. Since 2016 she has been a Professor at the Department of Sociology, National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”. Her research interests include information and communication technology in education, university’s educational environment, MOOCs, data analysis and multivariate methods in scientific research, digital storytelling, adult education. She has published a number of papers and textbooks (“Computer data analysis”, “Data analysis practicum”, “Mathematical and statistical methods of sociological information’s analysis”) and is an editorial board member of the Ukrainian journals “Information Technologies and Learning Tools” (associated editor), “e-Environment of Modern University”, and “Humanization of the educational process”.

ORCID: https://orcid.org/0000-0002-9979-0625
Notable works: Adamenko and Panchenko [4], Panchenko and Khomiak [154], Panchenko, Khomiak and Pikilnyak [155], Panchenko et al. [156], Panchenko, Vakaliuk and Vlasenko [157].
E-mail: lubov.felixovna@gmail.com

Dr. Stamatios Papadakis, Postdoc researcher, Department of Preschool Education, University of Crete, Greece.

Stamatios Papadakis has been a postdoctoral researcher in Educational Technology, with emphasis on mobile learning, at the Department of Preschool Education at the University of Crete, Greece since 2016. He has worked as an adjunct Lecturer in Education teaching Didactics in Programming (2017-2018) at the Department of Computer Sciences, School
of Sciences and Engineering at the University of Crete, Greece. Since 2017 he worked as an adjunct Lecturer in Education teaching Informatics (2017-2018) at the Department of Preschool Education, School of Education, University of Crete, Greece. His scientific and research interests include the study of mobile learning, especially on the use of smart mobile devices and their accompanying mobile applications (apps) in the use of Preschool and Primary Education, focusing on the development of Computational Thinking and students’ understanding of numbers. Furthermore, he currently investigates how a STEM learning approach influences learning achievement through a context-aware mobile learning environment in the preschool classroom and to explain the effects on preschoolers’ learning outcomes.

WWW: https://www.researchgate.net/profile/Stamatios_Papadakis
ORCID: https://orcid.org/0000-0003-3184-1147
Notable works: Papadakis [158, 159, 160, 161, 162].
E-mail: stpapadakis@uoc.gr

Olga Pinchuk, PhD (in Pedagogics), Senior Researcher in the field of information and communication technologies in education, Leading Researcher and Deputy Director for Scientific Experimental Work at the Institute for Digitalisation of Education of the NAES of Ukraine, Ukraine.

Education: M.P. Drahomanov Kyiv State Pedagogical Institute in specialties of Mathematics, Computer Science and Computer Engineering teacher. Currently the experience in teaching is 25 years. Since 2005 she work in the Institute for Digitalisation of Education of the NAES of Ukraine. She worked on the implementation of the tasks of the scientific research works “Scientific and methodological foundations use of computer oriented tools in teaching natural and mathematical subjects in profile School”, “Scientific and methodological principles of organization of distance learning environment in secondary schools”, “Methodology of design network resource centers of distance education of secondary schools”, “Formation of information and educational environment for learning high school students through technology electronic social networks” (Head of Scientific Research), “System of computer modeling of cognitive tasks for the formation of competencies of students in natural and mathematical subjects”. She have more than 80 published scientific works, the author of collective monographs, manuals. She also the co-editor-in-chief of “Information Technologies and Learning Tools”, a peer-reviewed e-journal in educational sphere, publishing full-text articles online with immediate open-access.

WWW: https://iitlt.gov.ua/eng/structure/detail.php?ID=442
ORCID: https://orcid.org/0000-0002-2770-0838
Notable works: Burov et al. [39], Pinchuk, Burov and Lytvynova [164], Pinchuk, Tkachenko and Burov [166], Pinchuk, Lytvynova and Burov [167], Pinchuk et al. [168].
E-mail: opinchuk@iitlt.gov.ua
Dr. Zarema Seidametova, Professor, Chair of Applied Informatics Department, Fevzi Yakubov Crimean Engineering-Pedagogical University, Simferopol, Crimea.

Zarema Seidametova, received her Ph.D. in fluid mechanics from Institute of Mechanics and Earthquake Engineering Academy of Sciences of Uzbekistan, Tashkent, in 1988, and her science degree doctor of sciences in Computer Science Education from Dragomanov National Pedagogical University, Kyiv, Ukraine, in 2008. She held visiting positions at Statistical Department at Educational Testing Service (Princeton, NJ) in 2004, and Computer Science Department at Duke University (Durham, NC) in 2013-2014. She is a member of ACM. Her research interests include computer science education. She has published a number of papers in international journals and volumes in book series.

ORCID: https://orcid.org/0000-0001-7643-6386
Notable works: Moskaleva, Seidametova and Temnenko [137], Seidametova [179], Seidametova and Temnenko [180, 181], Seidametova, Abduramanov and Seydametov [182].

E-mail: z.seydametova@gmail.com

Olena Semenikhina, Dr.hab. in Pedagogics, Professor, Chair of the Department of Computer Science, Makarenko Sumy Pedagogical University, Ukraine.

Editor-in-chief of the scientific journal “Physical and Mathematical Education”, the specialist in the field of pedagogical sciences. Chairman of the Specialized Academic Council K55.053.03 of Makarenko Sumy Pedagogical University, Ministry of Education and Science of Ukraine. The organizer of the International scientific and practical conference “Scientific activity as a way of formation of professional competences of the future specialist” (NPK). A range of scientific interests: teacher training for IT use, computer visualization in the professional activity of a mathematics teacher, computer visualization of mathematical knowledge, dynamic mathematics software, systems of computer mathematics.

WWW: https://fmo-journal.fizmatsspu.sumy.ua/index/0-49
ORCID: https://orcid.org/0000-0002-3896-8151
Notable works: Drushlyak et al. [51, 52], Rudenko et al. [178], Semenikhina et al. [183, 184].

Dr. Serhiy Semerikov, Professor of Computer Science and Educational technology, Kryvyi Rih State Pedagogical University, Ukraine.
Serhiy Semerikov had studied Mathematics and Computer Science at Kryvyi Rih State Pedagogical University, Ukraine in 1993-1998. He has obtained an MA Diploma in Mathematics and Computer Science and MS Diploma in Mathematics at Kryvyi Rih State Pedagogical University in 1998 (cum laude). In 2001 he was awarded a PhD degree in Computer Science Education at Dragomanov National Pedagogical University, Ukraine. In 2002 he received his habilitation as the Docent (Assoc. Prof.) at the Department of Computer Science and Applied Mathematics of Kryvyi Rih State Pedagogical University. In 2009 he was awarded a DrSc degree in Computer Science Education at Dragomanov National Pedagogical University, Ukraine. In 2011 he received his habilitation as the Professor (Full Prof.) at the Department of Fundamental Disciplines of National Metallurgical Academy of Ukraine. From July till September 1998 Mr. Semerikov worked as a head of Research Laboratory of Department of Computer Science and Applied Mathematics at Kryvyi Rih State Pedagogical University. From September 1999 till now he works at Kryvyi Rih State Pedagogical University at various positions: Assistant Professor, Associate Professor, Head of Department, Full Professor. In 2010-2016 he was affiliated as a visiting professor at National Metallurgical Academy of Ukraine and Kryvyi Rih National University. Since 1997 he took and is taking part as a researcher, senior researcher, principal researcher in many research and RTD projects funded by Ukrainian Ministry of Education and Science, International Renaissance Foundation, Kryvyi Rih National University. Since 2010 he works at the Institute for Digitalisation of Education of the NAES of Ukraine, Ukraine at the research positions. Since 1999 Dr. Semerikov teaches undergraduate and graduate courses in Computer Modelling, Operating Systems, Architectures of Computer Systems, System Programming, Econometry, Data Compression Techniques, Programming Theory, Artificial Intelligence, the Machine Learning and Pattern Recognition, Quantum Programming, ICT in Education, Advances in ICT, the Software Engineering and Programming Technologies, Functional Programming. He supervised over 100 successfully accomplished master theses and 11 PhDs. He has also been the member of about 50 PhD Committees. Dr. Semerikov has published over 300 papers as journal articles, book chapters, refereed conference and workshop contributions. He also co-edited or (co-)authored several proceedings volumes and textbooks. He serves as a member of Editorial Advisory Boards, Editorial Review Boards of international journals, a program committee member of many international conferences and workshops. Dr. Semerikov is the founder and the co-head of the Joint Laboratory on Cloud Technologies in Education (CTE) at Kryvyi Rih National University. Since 2021, he serve as the Editor-in-Chief of the Educational Technology Quarterly journal.

WWW: https://kdpu.edu.ua/semerikov/
ORCID: https://orcid.org/0000-0003-0789-0272
Notable works: Semerikov et al. [185], Semerikov, Mintii and Mintii [187], Striuk and Semerikov [205], Tarasenko et al. [215], Tkachuk et al. [216].
E-mail: semerikov@gmail.com
Dr. Yevhenii Boris Shapovalov, Chief specialist in Ministry of Digital Transformation of Ukraine and Researcher in National Center “Junior Academy of Science of Ukraine”, Ukraine.

Yevhenii Shapovalov was born in 1992, received Ph.D. in 2020 from the National University of Life and Environmental Sciences of Ukraine in biotechnology. He worked in the field of digitalization of chemistry education in the National Center “Junior Academy of Science of Ukraine” from 2014 to 2020 and then start to work in the Ministry of Digital transformation. He has studied the anaerobic digestion of high nitrogen content in biotechnology and modern approaches in the digitalization of education, such as using AR, smart tools, and ontologies to structure education content. He is a board member of NGO “European Studies’ Platform for Sustainable Development” and has experience in international educational projects (Erasmus+).

WWW: http://www.nas.gov.ua/UA/PersonalSite/Pages/default.aspx?PersonID=0000026333
ORCID: https://orcid.org/0000-0003-3732-9486
Notable works: Bilyk et al. [31], Shapovalov et al. [190, 191], Shapovalov, Shapovalov and Zaselskiy [192], Tarasenko et al. [214].
E-mail: sjb@man.gov.ua

Dr. Iryna Slipukhina, D.Ed., National Center of Junior Academy of Sciences of Ukraine & National Aviation University, Ukraine.

Iryna Andriivna Slipukhina graduated from Kyiv State Pedagogical Gorky Institute, Faculty of Physics and Mathematics, specialty “Physics and Astronomy”. Candidate of Physical and Mathematical Sciences since 1999, specialty 01.04.10 – physics of semiconductors and dielectrics, PhD thesis “Laser spectroscopy of CdP2 crystals of tetragonal modification”. Doctor of Pedagogical Sciences since 2015, specialty 13.00.02 – Theory and Teaching Methods (technical disciplines), thesis “Theoretical and methodological principles of formation of technological competence of future engineers using a computer-based system of physical experiment”. Since 2015, I. A. Slipukhina is a professor at the Department of General and Applied Physics, and since 2020 – also a leading researcher of the department for the creation of educational-thematic knowledge systems of the National Center “Junior Academy of Sciences of Ukraine”. By the current time her scientific and pedagogical experience is 20 years. She is a member of the public organization “Innovative University and Leadership”. Her Polish language proficiency level is B2. She involves junior
students, high school students in research work, takes an active part in training seminars for teachers of natural sciences. For many years of conscientious, impeccable and active work on scientific guidance of students of NAU I. A. Slipukhina received diplomas, awards and acknowledgments from the rector of the National Aviation University and the Direction of the Junior Academy of Sciences. She has more than 150 scientific and methodological publications on education and teaching methods. Research interests: STEM and other interdisciplinary approaches in teaching, training of STEM educators, instrumental digital didactics, innovative learning technologies.

WWW: http://www.slipukhina.in.ua/
ORCID: https://orcid.org/0000-0002-9253-8021
Notable works: Bovtruk et al. [35], Chernetskyi and Slipukhina [46], Slipukhina et al. [194, 195], Stryzhak et al. [211].

Dr. phil. Oleksandra Sokolyuk, Acting Deputy of Scientific Secretary Institute for Digitalisation of Education of the NAES of Ukraine, Kyiv, Ukraine.

Oleksandra Sokolyuk, born in 1962, received a Candidate of Pedagogical Sciences degree (Dr. phil.) from the National Pedagogical University named after M. Drahomanov, Kyiv, Ukraine. Senior Researcher in specialty 13.00.10 – information and communication technologies in education (2014). Her research interests include ICT in education, educational research, is a member of editorial boards of “Information Technologies and Learning Tools”.

WWW: http://iitlt.gov.ua/eng/structure/
ORCID: https://orcid.org/0000-0002-5963-760X
Notable works: Iatsyshyn et al. [80], Pinchuk et al. [165], Sokolyuk [197, 198, 199].
E-mail: sokolyuk62@gmail.com

Dr. Vladimir N. Soloviev, Head of the Department of Computer Science and Applied Mathematics, Kryvyi Rih State Pedagogical University, Ukraine.

Vladimir N. Soloviev received the D. Sc. (Dr. Hab.) degree in solid state physics from Institute of Physics of the National Academy of Sciences of Ukraine, in 1993. From 1992 to 2000 and from 2016 to the present head of the Department of Computer Science and Applied Mathematics of Kryvyi Rih State Pedagogical University. In the period from 2000 to 2016, he carry out research on critical and crisis phenomena in the financial markets at various universities in Kyiv, Cherkasy and Kryvyi Rih. He has about 300 publications in the field of solid state physics, complex systems and quantitative methods of constructing precursors of crisis phenomena in systems of different nature.

WWW: https://kdpu.edu.ua/personal/vmsoloviov.html
ORCID: https://orcid.org/0000-0002-4945-202X
Notable works: Korotun, Vakaliuk and Soloviev [103], Nechypurenko and Soloviev [142], Soloviev, Moiseienko and Tarasova [200], Tokarieva et al. [218], Velychko et al. [241].
E-mail: vnsoloviev2016@gmail.com

Oleg Spirin, Doctor of Pedagogy, Full Professor, Corresponding Member of the National Academy of Pedagogical Science of Ukraine, Vice Rector for Research and Digitalization of the University of Educational Management, Kyiv, Ukraine.


WWW: https://tinyurl.com/4kbefx6p
ORCID: https://orcid.org/0000-0002-9594-6602
Notable works: Oleksiuk et al. [147], Osadchyi et al. [149], Spirin [201, 202, 203, 204].
E-mail: oleg.spirin@gmail.com

Dr. Oksana Strutynska, Vice-Dean of Scientific Work and International Activities of the Faculty of Informatics, Associate Professor of the Department of IT and programming, National Pedagogical Dragomanov University, Kyiv, Ukraine.

Oksana Strutynska, born in 1977, received PhD degree (in Pedagogy) from National Pedagogical Dragomanov University, (Kyiv, Ukraine), in 2011. Since 2011, she has been working in the field of Teaching Theory and Methodology of Computer Science at the National Pedagogical Dragomanov University, where she is currently Vice-Dean of Scientific Work and International Activities of the Faculty of Informatics. Her research interests include Computer Science, Educational Robotics, 3D Technology in Education, ICT, Digital and ICT tools in Education, Teacher Training, Dig-
ital Transformation in Education, Mathematics. She has published a number of papers in international journals and volumes in book series.

WWW: https://fi.npu.edu.ua/dekanat
ORCID: https://orcid.org/0000-0003-3555-070X
Notable works: Strutynska and Umryk [206, 207, 208], Strutynska et al. [210], Sánchez-Begines et al. [213].
E-mail: o.v.strutynska@npu.edu.ua

Dr. Maria Umryk, associated professor of the Department of Theoretical Basics of Informatics, Director of the Center for Digital Educational Technologies of National Pedagogical Dragomanov University, Kyiv, Ukraine.

Maria Umryk has Master degree in Mathematics and Informatics, PhD degree in Teaching Theory and Methodology of Computer Science. After obtaining the Doctoral degree (PhD) has 9 years’ experience of implementing the results of her work in teaching subjects such as: Computer Science, Information and Communication Technologies, Mathematical logic, Programming, Programming Technologies, Modern programming languages, Organization of distance learning institution of higher education, Applied Informatics, Artificial intelligence, Neural Networks. Also has five years’ experience as Senior programmer at Company “Kiy-pastrans”. She was doing software development for the transport of Kyiv. So the circle of her interests also include programming: Object-Oriented Programming (C#, Delphi), procedural Programming (Turbo Pascal), logical Programming (Prolog), functional Programming (Scheme)). Maria has experience in designing of educational programs for students. She was appointed as Member of work group for designing of the BSc and Master educational programs for preparing future Computer Science Teachers for Robotics specialization.

WWW: https://cutt.ly/5kmBxLM
ORCID: https://orcid.org/0000-0002-0396-0045
Notable works: Morze, Smyrnova-Trybulska and Umryk [135], Morze and Umryk [136], Strutynska and Umryk [209], Umryk [220], Umryk and Biliai [221].
E-mail: m.a.umryk@npu.edu.ua

Dr. Mayank Vahia, Tata Institute of Fundamental Research & Narsee Monjee Institute of Management Studies, School of Mathematical Sciences, India.

Mayank Vahia completed his PhD in Astrophysics in 1984 from the Tata Institute of Fundamental Research. The title of his thesis was Charged Particle Emission from Sun. After completing his PhD he continued to work at TIFR until his retirement in 2018 where he
rose to the position of Professor. During his research career in TIFR he worked on making and operating space telescopes that were flown on American, Russian and Indian satellites. For the past two decades he has been interested in history of science and astronomy as well as impact of science on society as well as evolution of civilisations. He has published more 250 research papers during his career out of which more than 50 are on his interest in history of science and astronomy. He has edited 7 books and published 4 books. He has also been deeply interested in Physics and Mathematics education at undergraduate level and pedagogy of education. His current assignment is to create an undergraduate Mathematics programme for the School of Mathematical Sciences that he started. The programme approaches Mathematics as a language into which text from other languages can be translated and the tools of Mathematics can then be used to provide new insights into different fields of learning. He initiated the Astronomy as well as Junior Science Olympiad programmes in India and guided them for more than a decade. He was also the Director of Nehru Planetarium in Mumbai for a year. He is a fellow of several academies nationally and internationally and has been on the list of referees of several national and international journals. He has served on the Governing Council of Deccan College, Pune and Anantacharya Indological Institute, Mumbai and has been on the Board of Studies of Yashwantrao Chauhan Maharashtra Open University. After his retirement he started an innovative School of Mathematical Sciences, at the Narsee Monjee Institute of Management Studies, a Deemed university in Mumbai.

WWW: https://www.tifr.res.in/~vahia/
ORCID: https://orcid.org/0000-0002-2549-6570
Notable works: Apte, Mahajani and Vahia [14], Halkare, Vahia and Orchiston [73], Rao et al. [176], Vahia [222], Vahia and Yadav [223].
E-mail: mnvahia@gmail.com

Dr. Tetiana Vakaliuk, professor, professor of the department of Software Engineering, Zhytomyr Polytechnic State University, Zhytomyr, Ukraine.

Tetiana Vakaliuk, born in 1983, received a Candidate of Pedagogical Sciences degree from the National Pedagogical Dragomanov University, Ukraine, in 2013, and a Doctor of Pedagogical Sciences degree from the Institute of Information Technologies and Learning Tools of the National Academy of Sciences of Ukraine, in 2019. Since 2019, she has been working in the field of information technologies at the Zhytomyr Polytechnic State University. Her research interests include information technologies, ICT in Education, Cloud technologies. She has published a number of papers in international journals, is a member of editorial boards of Information Technologies and Learning Tools, Zhytomyr Ivan Franko State University Journal: Pedagogical Sciences,
Collection of Scientific Papers of Uman State Pedagogical University.
WWW: https://sites.google.com/view/neota
ORCID: https://orcid.org/0000-0001-6825-4697
Notable works: Vakaliuk et al. [225], Vakaliuk [226, 227], Vakaliuk, Shevchuk and Shevchuk [231], Vakaliuk et al. [232].
E-mail: tetianavakaliuk@gmail.com

Dr. Natalia Valko, DSc in Educational Sciences, PhD of Physics and Mathematic Sciences, Department of Informatics, Software Engineering and Economic Cybernetics, Kherson State University, Kherson, Ukraine.
Nataliia Valko, in 2006 earned a PhD degree of Physics and Mathematic Sciences in specialty “Mathematical modeling and numerical methods”. She has extensive experience in teachers education via modern teaching technologies, blended learning, STEM-education. Her teaching experience in University is over 20 years. She is one of the organizers of the STEM school of KSU. She has management skills in the field of teacher training, planning educational activities, creating distance learning courses on the Moodle platform. She manages students design work to create models of robotic systems. Effectively applies innovative teaching methods for future teachers of natural-mathematical disciplines using robotics and their preparation for using STEM-technologies in teaching. She actively studies innovative teaching methods, methods of project activity. She has published a number of papers of different kinds (including books, articles in scientific international journals, conference proceedings etc.), is a member of editorial boards of Journal of Information Technologies in Education (ITE).
WWW: http://www.kspu.edu/About/Faculty/FPhysMathemInformatics/ChairInformatics/Staff/NValko.aspx
ORCID: https://orcid.org/0000-0003-0720-3217
Notable works: Kushnir, Manzhula and Valko [110], Kushnir et al. [111], Osadchyi, Valko and Kushnir [151], Valko, Kushnir and Osadchyi [234], Valko, Osadchyi and Kruhlyk [235].
E-mail: valko@ksu.ks.ua

Dr. Maryna Vardanian, Full Professor of Children’s Literature and Comparative Literature, Faculty of Foreign Languages, Kryvyi Rih State Pedagogical University, Kryvyi Rih, Ukraine.
Maryna Vardanian, born in 1979, received a Candidate of Philological Sciences degree (PhD in Philology) from The Volodymyr Vynnychenko State Pedagogical University of Kirovograd (Kropyvnytskyi, Ukraine), in 2010, and a Doctor of Philological Sciences degree (Dr. habil.) from The Bohdan Khmelnytsky National University of Cherkasy, Ukraine, in 2019.
Since 2012, she has been working in the field of children’s literature and comparative literature at The Kryvyi Rih State Pedagogical University, where she is currently Dean of Faculty of Foreign Languages. Her research interests include literary imagology, translating studies and literature written by Ukrainian Diaspora. She has published a number of papers in journals, is a member of International Research Society for Children’s Literature, and editorial board of Literatures of the World: Poetics, Mentality and Spirituality.

WWW: https://kdpu.edu.ua/personal/pm_rectora.html
ORCID: https://orcid.org/0000-0002-1220-7530
Notable works: Vardanian [236, 237, 238, 239, 240].
E-mail: maryna.vardanian@gmail.com

Dr. Kateryna Vlasenko, Professor of Maths, National University of “Kyiv Mohyla Academy”, Ukraine.

Kateryna Vlasenko, born in 1966, received a Candidate of Pedagogical Sciences degree (PhD) from the National Pedagogical Dragomanov University, Ukraine, in 2004, and a Doctor of Pedagogical Sciences degree (D.Sc. in Educational Science) from the Bohdan Khmelnytsky National University of Cherkasy, in 2011. Since 2008, she has been working in the field of mathematical and pedagogical modeling at Donbas State Engineering Academy and National University of “Kyiv Mohyla Academy”. Her research interests include the issues of mathematics education. She has published a number of papers in international journals and volumes in book series, is a member of editorial boards of Innovative Solutions in Modern Science, Topical Issues of Natural and Mathematical Education Sumy State Pedagogical University named after A. S. Makarenko.

WWW: http://formathematics.com/tutors/kateryna-vlasenko/
ORCID: https://orcid.org/0000-0002-8920-5680
Notable works: Lovianova et al. [118, 119], Vlasenko et al. [242, 243, 244].
E-mail: vlasenkokv@ukr.net

Nataliia P. Volkova, Doctor of Pedagogy, Professor, Head of the Department of Innovative Technologies in Pedagogy, Psychology and Social Work, Alfred Nobel University, Dnipro, Ukraine.

Leading expert in pedagogy of higher education in Ukraine. Chairperson of Specialized Academic Board on PhD dissertations in “Theory and Methodology of Professional Education”. Author of more than 170 printed works, three monographs, two textbooks with a stamp of the Ministry of Education and Science of Ukraine, three study guides with a stamp of
the Ministry of Education and Science of Ukraine, 12 educational and practical study guides, articles in leading Ukrainian and foreign journals. Author of “Pedagogy”, “Professional-Pedagogic Communication” – the textbooks now fundamental in many leading institutions of higher education in Ukraine.

WWW: https://tinyurl.com/v3kbw85n

ORCID: https://orcid.org/0000-0003-1258-7251

Notable works: Korobeinikova et al. [102], Petrova et al. [163], Tokarieva et al. [217], Volkova et al. [245], Volkova, Rizun and Nehrey [246].

E-mail: npvolkova@yahoo.com

4. Conclusion

The Educational Technology Quarterly journal is an open-access peer-reviewed journal that aims to offer a forum for discussing a wide range of international educational experiences and evaluation approaches. The journal intends to publish works of excellent quality. The journal is poised to adhere to the highest publication ethics standards, thanks to the support of an international team of educational researchers who voluntarily offered to serve on the editorial board. Finally, we invite scholars from all around the world to submit research papers on the pedagogical applications of technology, as long as the subject is broad enough to be of interest to the larger education community. We also welcome systematic review studies and meta-analyses with clear research questions, an analytical framework, and results that are in line with the objectives of the paper. Studies that concentrate on STEM teaching and learning are also important, as are studies that address particular difficulties in boosting students’ achievement, methods for encouraging and engaging students, and lessons learned from curriculum and instruction changes based on changes in educational technology in general.

References


in capturing tacit knowledge by using NGT for reducing traffic jam. *International Journal of Engineering and Technology (UAE)*, 7(3), pp.1463–1467.


46


