Name	Mariia Kozulia	
Phone number	+38(099)787-20-70	
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PROFESSIONAL AND ACADEMIC POSITIONS:

2017 to current	Associate Professor, Department of Software Engineering and Management Intelligent Technologies (before 2022 – Department of Software Engineering and Management Information Technologies), Educational and Scientific Institute of Computer Science and Information Technologies (before 2022 – Faculty of Computer Science and Software Engineering), National Technical University «Kharkiv Polytechnic Institute»;
2016 – 2017	assistant, Department of Software Engineering and Management Information Technologies, National Technical University «Kharkiv Polytechnic Institute»;
2014 - 2017	Ph.d. student, Department of Intelligent Computer Systems, National Technical University "Kharkiv Polytechnic Institute"
2014 (Sept-Oct)	Trainee Instructor, Department of Intelligent Computer Systems, National Technical University "Kharkiv Polytechnic Institute"
07.2014– 08.2014	Junior Researcher, State Enterprise "Ukrainian research and Technology Center of Metallurgy Industry" Energostal " .

EDUCATION:

Ph.D. (Engineering Science) (June, 2017) Sumy State University, Sumy, Ukraine

   Specialization: ecological safety

Master Degree (computer-based environmental and economic monitoring, 6 years, Honour Diploma) (June, 2014) National Technical University «Kharkiv Polytechnic Institute», Kharkiv, Ukraine
Concentrations: professional in computer science

COURSES TAUGHT
Extensive teaching at all university levels: Bachelor/Master/PhD:
  - Green computing (in English),
  - Decision making theory (in English),
  - Fundamentalse of Python programming (Ukrainian/English);
  - Advanced Python programming course (Ukrainian/English)
  - Models and methods of decision making support (in English)

FIELDS OF RESEARCH INTEREST:

- Modeling information systems for environmental assessment of complex systems;
- Methods for identifying systems and processes, monitoring information systems research.

SUMMARY OF CAREER ACHIEVEMENTS

- More than 75 scientific papers, textbooks and monographs on modeling complex systems, statistical scientific research of natural and technogenic complexes, information technology, information monitoring researches were prepared and published. (h-index= 6, i10-index= 2 in Google Scholar - https://scholar.google.ru/citations?user=tRyBDzQAAAAJ&hl=ru; ORCID https://orcid.org/0000-0002-4090-8481);
- С 2012-2016 Actively conducted joint research work under contracts on scientific cooperation in the field of computer monitoring and ecological safety with such scientific institutions: Kharkiv National Medical University and Ukrainian Research Institute of Environmental Problems, State Enterprise "Ukrainian research and Technology Center of Metallurgy Industry" Energostal ".

PROFESSIONAL MEMBERSHIPS:

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RELATED PUBLICATIONS
Book

1. Теоретические основы эколого-экономичсекого мониторинга Учеб-методическое пособие к практик. занятиям. / Касимов А.М., Козуля М.М. – Харьков НТУ «ХПІ», 2017. – 176 с
2. Операційні системи : Лабораторний практикум для студентів спеціальностей 122 «Комп'ютерні науки» та 121 «Програмна інженерія» / Д. Ю. Голубничий, А. В. Холодкова, О. В. Шматко, М. М. Козуля. – Харків : НТУ «ХПІ», 2019. – 337 с. (гриф НТУ «ХПІ»)

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Monographs:

- 1.Козуля Т.В., Козуля М.М. Інформаційно-програмне забезпечення обробки та аналізу стану складних екологічних об'єктів //Інформаційна безпека та інформаційні технології: монографія. – Харків: ТОВ «ДІСА ПЛЮС», 2019. – С. 202–231.
- 2.Kozulia T. Methodical bases of information support for complex analysis of system objects difficult / weakly structured /T. Kozulia, Kozulia M. // Modern Problems Of Computer Science And IT-Education : collective monograph / [editorial board K. Melnyk, O. Shmatko]. – Vienna : Premier Publishing s.r.o., 2020. – P. 43-64

articles:

- Determining the object structure of ecological and economic research and knowledge base for decision support / Kozulia T. Kozulia M.// Problems of Atomic Science and Technoogy. Series: Nuclear Physics Investigations (68). – 2017. – № 3(109). – P.85–89.
- Kozulia T.V. Using graph-analytical methods modeling of system objects to determine integrated assessment of their state / T.V. Kozulia, M.M. Kozulia //Problems of Atomic Science and Technology – 2019. – №3(121) – p. 116–123.
- Kozulia T.V. Entropy-synergistic introduction as comprehensive research basis of complex objects state / Kozulia, T.V., Kozulia, M.M. // Problems of Atomic Science and Technology. - 2020. - 129(5) - стр. 82–85
- Kozulia T. V. Problems of elicitation and analysis of requirements to the program module of monitoring on the basis of the conditions of cognitive analysis / T. V. Kozulia, A. S. Sviridova, M. M. Kozulia // Вісник Національного технічного університету «ХПІ». Серія: Системний аналіз, управління та інформаційні технології : зб. наук. пр. / Нац. техн. ун-т «Харків. політехн. ін-т». – Харків : НТУ «ХПІ», 2019. – № 1'2019. – С. 25–30

- Kozulia T. V., Kozulia M. M. Corporate knowledge base and scientific approaches to security research of naturally-technogenic objects state. // Науково-технічний журнал «Техногенно-екологічна безпека», 6(2/2019). С. 30–41
- Kozulia, T.,Kozulia, M., Didmanidze, I. Comprehensive study of the systemic formation «object–environment» safety state // Technogenic and Ecological Safety 7(1/2020), 3–12;
- Yevhen Bodnia, Mariia Kozulia Web Application System of Handwritten Text Recognition Proceedings of the 5th International Conference on Computational Linguistics and Intelligent Systems (COLINS 2021). Volume I: Main Conference Lviv, Ukraine, April 22-23, 2021. P.1323-1337. http://ceur-ws.org/Vol-2870/paper98.pdf