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PROFESSIONAL AND ACADEMIC POSITIONS:

2017 r. to current Full Professor, Department of Software Engineering and Management Information Technologies, National Technical University «Kharkiv Polytechnic Institute»;

2013 – 2017 Full professor, Department of Computer Monitoring and Logistics , National Technical University «Kharkiv Polytechnic Institute»;

2009 – 2013 associate professor, Department of Computer Monitoring and Logistics, National Technical University «Kharkiv Polytechnic Institute»;

2003 – 2009 associate professor, Departments of Automated Control Systems, National Technical University «Kharkiv Polytechnic Institute»;

2000 – 2003 associate professor, Department of geocology and constructive geography, V. N. Karazin Kharkiv National University;

1998– 2000 Senior Lecturer, Department of geocology and constructive geography, V. N. Karazin Kharkiv National University;

1995– 1998 Postgraduate, epartment of geocology and constructive geography, V. N. Karazin Kharkiv National University;

1987– 2009 Junior Researcher, “Institute for Single Crystals” of National Academy of Sciences of Ukraine .

EDUCATION:

D.Sc. (Engineering Science) (November, 2012) , "The Institute of Environmental Geochemistry of National Academy of Sciences of Ukraine", Kyiv, Ukraine

Specialization: ecological safety

Ph.D. (Engineering Science) (Dezember, 1999) V. N. Karazin Kharkiv National University , Kharkiv, Ukraine

Specialization: Constructive geography and rational use of natural resources
Specialist Degree (inorganic chemistry, 6 years, Honors Diploma) (February, 1987) Kharkiv Polytechnic Institute, Kharkiv, Ukraine

Concentrations: Engineer-technologist

COURSES TAUGHT

Extensive teaching at all university levels: Bachelor/Master/PhD:

- Green computing (in Ukrainian),
- Statistical analysis and planning of scientific experiment (in Ukrainian),
- Fundamentals of Python programming (practice) (in Ukrainian);
- Models and methods of decision making support (practice) (in Ukrainian)

FIELDS OF RESEARCH INTEREST:

- Modeling of complex weak-structured systems;
- Methods for identifying systems and processes, monitoring information systems research;
- Models and methods of a synergistic-entropy approach of natural and technological systems research.

SUMMARY OF CAREER ACHIEVEMENTS

- More than 175 scientific papers, textbooks and monographs on modeling complex systems, statistical scientific research of natural and technogenic complexes, information monitoring researches were prepared and published. (h-индекс = 7, i10-индекс = 3 в Google Scholar - <https://scholar.google.ru/citations?user=M7SXXU4AAAAJ&hl=ru>; Идентификатор ORCID <https://orcid.org/0000-0001-5107-9140>)
- The winner of the XVII Competition "Higher School of Kharkivshchyna - Best Names" in the nomination "Teacher of Professional-Oriented Disciplines" (2015);
- С 2003-2016 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 ";
- Encouraged and empowered staff to develop their careers and reach their full potential (e.g. through coaching 3 PhD students in ecological safety, 3 got their PhD degrees);
- Member of the Editorial College of Scientific and Technical Journal "Technogenic and Ecological Safety".

PROFESSIONAL MEMBERSHIPS:

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RELATED PUBLICATIONS

Book

- Системні дослідження навколишнього середовища: корпоративні екологічні системи, хімічна екологія : підручник–Сумський державний університет як підручник для студентів технічних ЗВО, протокол № 7 від 12.04.2018. – Суми: ПО» Видавництво «Університетська книга», 2018. – 460 с. /Л.Д. Пляцук, Т.В. Козуля, Л.Л. Гурець, В.Ф. Моїсєєв, І.Ю. Аблеєва (80% авторського внеску) протокол № 6 від 07.07.2017 р.

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 Technology. 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;