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PROFESSIONAL AND ACADEMIC POSITIONS:

- 2019 г. to current Full 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»;
- 2018 – 2019 Full professor, Department of Electric Transport, O.M. Beketov National University of Urban Economy in Kharkov;
- 2017 – 2018 Associate professor, Department of Electric Transport, O.M. Beketov National University of Urban Economy in Kharkov;
- 2012 – 2017 Associate professor, Departments of Automated Electric Transport, Systems, Ukrainian Academy of Railway Transport;
- 2006 – 2012 Assistant, Department of Electric Traction Systems, Systems, Ukrainian Academy of Railway Transport;
- 2003– 2006 Postgraduate, Electric Traction Systems, Systems, Ukrainian Academy of Railway Transport;
- 2001–2003 Teacher, DP-NGO «Dolphin».

EDUCATION:

Master’s Degree (Information Management Systems and Technologies, 1.5 years, Honors Diploma) (February, 1999) Kharkiv State Polytechnic University, Kharkiv, Ukraine
Concentrations: Specialist Engineer-Systems Analyst

Bachelor’s Degree (Computer Science, 4 years, Honors Diploma) (June, 1997) Kharkiv Polytechnic University, Kharkiv, Ukraine

Concentrations: Bachelor in Computer Science

COURSES TAUGHT

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

- Fundamentals of software systems architecture (in English),
- Models and methods of soft calculations (in Ukrainian),
- Introduction to neural networks (in Ukrainian);
- Methods and systems of artificial intelligence (in Ukrainian)
- Discrete mathematics (in Ukrainian)
- Data Base (practice) (in English)
- Operations research

FIELDS OF RESEARCH INTEREST:

- Mathematical modeling;
- Optimization of technological processes.

РЕЗЮМЕ КАРЬЕРНЫХ ДОСТИЖЕНИЙ

- Prepared and published more than 90 scientific papers, textbooks and monographs on modeling complex electrical systems.

PROFESSIONAL MEMBERSHIPS:

RELATED PUBLICATIONS

Tutorial

- 1. Yahup K. Yahup V. Modeling and optimization of power supply and power consumption modes. Kharkiv: OM Beketov KhNUME, 2017 . – 218 p.

Monographs:

- 1. Yahup K. Yahup V. Computer modeling of transient and steady-state processes in converters of electrical energy. // Kharkiv: KhNAME, 2013. – 132
- 2. Yahup K. Yahup V. Application of optimization methods for solving problems of improving the performance of electrical systems. Kharkiv: OM Beketov KhNUME, 2017 . – 170 p.

Papers:

- 1. Yagup K. Modeling of a power supply system with an active filter controlled by an optimization algorithm. / K. Yahup. Eastern European Journal of Advanced Technologies – 2016. –1/8 (79). – P. 52–58.
- 2. Yagup K. Synthesis of an electrical system in the time domain by the method of search optimization // K. Yahup, V. Yahup. Technical electrodynamic. – 2015. – Numb. 2. – P. 24–29.
- 3. Yahup K. Symmetrization of Three-Phase System with Negative Component Filter Using Simulation // K. Yahup, V. Yahup. Naukoviy Bulletin of the National Mining University. – Dnipro. 2017. Numb. 3 (159). – P. 89 – 94.
- 4. Yahp K. Power active filter when working on asymmetric and non-linear loads with control by an optimization algorithm. // K. Yahup. Electrical Engineering and Electrical Engineering – 2017. – Numb. 5. – P. 23 – 26.
- 5. Yahup K. Investigation of magnetic-connected inductances by signal graphs // K. Yahup, V. Yahup – Technical elektrodynamika. – 2019. – Numb. 5. – P. 21 – 26.