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PROFESSIONAL AND ACADEMIC POSITIONS:

- 2018 to current Ass. Prof, Department of Software Engineering and Management Information Technology, National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine;
- 2011 - 2018 Lecturer, Senior Lecturer, Department of Computer Modeling and Processes, National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine;
- 1993 – 2009 Software Engineer, Scientific Research Institute of Radio Technical Measurements, Kharkov.

EDUCATION:

- Ph.D. (control systems and processes) (March, 2014) National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine
- Specialist Degree (Applied Mathematics, 5 years) (June, 1988) Kharkiv State University names M. Gorky, Kharkiv, Ukraine

COURSES TAUGHT

Extensive teaching at university level Bachelor/Master:

- Computer Mathematics (parts 1, 2) (in English),
- Computer Mathematics (parts 3) (in English and in Ukrainian),
- Practical Seminar on Mathematical Methods in Software Engineering (in English and in Ukrainian),
- Formal Methods of Software Systems Verifications (in Ukrainian)
- Formal Methodes of Software Systems Research (in Ukrainian)

FIELDS OF RESEARCH INTEREST:

- Research of dynamical systems

SUMMARY OF CAREER ACHIEVEMENTS

- Prepared and published 40 publications, 1 article in publications indexed in Scopus , 1 tutorial, 3 guidelines

PROFESSIONAL MEMBERSHIPS:

- Full member of the public organization "Ukrainian Scientific and Educational IT Society".

RELATED PUBLICATIONS

Tutorial

1. Gavrylenko S., Khatsko N. Fundamentals of computer systems architecture. – Kharkiv : NTU “KhPI”, 2019. – 75 p. ISBN: 978-966-8944-91-8
2. Khatsko N.Yu., Gavrilenko S. Yu. Methodical instructions to the laboratory robotics "Development of diagrams of classes in the middle of the Umbrello UML Modeller". - Kharkiv: NTU "KhPI", 2019. - 39 p.
3. Khatsko N.Yu., Gavrilenko S.Yu. Methodical instructions to the laboratory robotics "Development of diagrams of options at the middle of the Umbrello UML Modeller". - Kharkiv: NTU "KhPI", 2019. - 40 p.
4. Khatsko N.Yu., Gavrilenko S.Yu. Methodical instructions to the laboratory robotics "The order of the establishment and editing of models and diagrams in the Umbrello UML Modeller program". - Kharkiv: NTU "KhPI", 2019. - 23 p.

Papers

- Khatsko NE, Dyakonenko NL, Khatsko KO Modeling the trajectory of robots - chickens, hens, taking into account the priorities of visits. // Vicnik KhNADU. - H. : KHNADU. - 2021. - № 92. - C 27 - 33. DOI: 10.30977 / BUL.2219-5548.2021.92.1.27
- Khatsko NE, Shelemetyev EO Navigation of quadcopters using google maps platform / Monografia: Science, Research, Development # 28 Technics And Technology. Baku, 2020. - p. 38-40
- Khatsko N. E. et al. Methodical basic of efficiency increasing of mathematical tool in problems solution for industrial transportation logistic // Bulletin of the National Technical University "KhPI". Series: System analysis, control and information technology Collection of Scientific papers No. 2'2019 P. 14-22.
- Khatsko N. et al. Development of the algorithm for aircraft control at inaccurate measurement of the state vector and variable parameter // Eastern-European Journal of Enterprise Technologies - Kharkiv, Vol 1, No 9 (91), 2018. P. 32-38, DOI: 10.15587 / 1729-4061.2018.123271
- Khatsko NE Modern mathematical models of error compensation of inertial sensors for use in calibration experiments // Bulletin of NTU "KhPI". - Kharkiv, №30 (1252), 2017. - Mathematical modeling in engineering and technology. - C.105-110.
- Khatsko NE Software for modeling the operation of the automatic flight control system by measuring inertial sensors // "Modern methods, innovations, and experience of practical application in the field of technical sciences" - Radom, Republic of Poland, 2017. P 30-34.
- Khatsko NE Solution of the terminal control problem using inertial block information // Radioelectronics, Informatics, Control. - Zaporozhye: ZNTU, 2016. - №1. - P. 101–106.