

Portfolio of a lecturer at Sarsen Amanzholov East Kazakhstan University

Personal portfolio



Malgazhdarov Yerzhan Amangazinovich

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Degrees and titles

Academic (academic) degree: Candidate of Technical Sciences

Education

- 1994-2003 S. Amanzholov EKSU, Ust-Kamenogorsk, specialty: 0102 - applied mathematics (bachelor's degree), qualification: mathematician, specialist in applied mathematics, bachelor
- 2004-2006 S. Amanzholov EKSU, Ust-Kamenogorsk, specialty: 6N0602 – “Computer science” (Master's degree), qualification: Master of Computer Science
- 2006-2008 S. Amanzholov EKSU, Ust-Kamenogorsk, specialty: 05.13.18 - "Mathematical modeling, numerical methods and software packages" (graduate school)

Positions

- 2004-2006 EKSU named after S. Amanzholov, Junior Researcher at the Research Laboratory "Mathematical Models and Information Technologies"
- 2006-2007 EKSU named after S. Amanzholov, lecturer of the Department of Mathematical Modeling and Computer Technologies
- 2006-2008 EKSU named after S. Amanzholov, postgraduate student of the Department of Mathematical Modeling and Computer Technologies
- 2007-2012 EKSU named after S. Amanzholov, Senior lecturer at the Department of Mathematical Modeling and Computer Technology
- 2012-2015 EKSU named after S. Amanzholov, Senior lecturer at the Department of Mathematics
- 2015-2016 EKSU named after S. Amanzholov, Acting Head of the Information Technology Center
- 2016-2017 EKSU named after S. Amanzholov, Associate Professor of the Department of Mathematics
- 2017-2019 EKSTU named after D. Serikbayev, Head of the Department of "Instrument Engineering and Automation of Technological Processes"
- 2019-2020 EKSTU named after D. Serikbayev, Associate Professor of the School of Engineering
- 2020-2023 EKSU named after S. Amanzholov, Associate Professor of the Department of Mathematics

- 2023 S. EKV named after S. Amanzholov, Associate Professor of the Department of Computer Modeling and Information Technology

Professional experience

- Total length of service: 31 years
- Work experience in the EKV: 17 years

Lecturing and practical work in computer science, supervision of diploma projects and master's theses.

Courses taught

1. Programming
2. Numerical methods for solving differential equations
3. Mathematical models and methods in robotics
4. Software and computer modeling in science
5. Fundamentals of mathematical modeling

The languages in which he teaches

1. Russian
2. Kazakh

The main scientific direction

Numerical modeling of hydrodynamic problems in complex fields.

Scientific interests

Curved grids, mathematical modeling of physical processes in complex fields.

Research space

Software, artificial intelligence, robots, mobile applications, study of various technological tools and their impact on the educational process, STEAM technologies, Organization of research work.

Scientific works

Author of more than 60 scientific and methodological works, including:

Monographs: 1

Copyright certificate (patents): 3

Publications in journals recommended by CCSON: 10 publications

In the «SCOPUS» database – 12 publications.

Teaching aids: 2

Article in conference collections: 34

State awards

- 2012 of the Department of Education of East Kazakhstan Region, awarded a diploma for fruitful work and professionalism in the preparation of innovative education;
- 2022 Ministry of Science and Higher Education of the Republic of Kazakhstan, letter of thanks for conscientious work and achievements in the field of education and science.