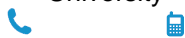


PERSONAL INFORMATION

KAIYROV RUSTEM



📍 Republic of Kazakhstan, Karaganda city, University street, 28, Buketov Karaganda University



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🌐 <https://www.webofscience.com/wos/author/record/29354721>



| Date of birth: 19.12.1985

PLACE OF WORK, POSITION

Karaganda Buketov University, Associate professor of the Department of Algebra, Mathematical Logic and Geometry Named after. prof. T.G. Mustafin.

SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

Doctor of Philosophy (PhD)

WORK EXPERIENCE

16 years

Place and date

2007-2018 years – teacher of technical mechanics, Karaganda Polytechnic College
2018-2021 years - Doctoral student of the Department of Mechanics, Kazakh National University. al-Farabi
Starting 2021 year - Assistant Professor of the Department of Algebra, Mathematical Logic and Geometry named after prof. T.G. Mustafina, Karaganda University named after E.A. Buketova

EDUCATION AND PROFESSIONAL TRAINING

Education

2003-2007 years - Karaganda State University named after Academician E.A. Buketov, Faculty of Mathematics, specialty - "Mechanics", qualification bachelor of mechanics (with honors);
2007-2009 years - Karaganda State University named after Academician E.A. Buketov, Faculty of Mathematics, specialty - "6N0603-Mmechanics", qualification Master of Mechanics (with honors);
2018-2021 years – Al-Farabi Kazakh National University, Faculty of Mechanics and Mathematics, specialty "6D060300-Mechanics" doctoral studies (with honors);

Professional trainings, Scientific trips

From 02.12.2020 to 05.22.2020 - Internship under the ERASMUS+ program. School of Computing and Mathematics, Keele University, UK;

SKILLS DEVELOPMENT INFORMATION

– Certificate No. 000005 (05.10.2021-23.12.2021) attended a course of guest lectures on soil mechanics.

Associate Professor, Ph.D., Konyushkov V.V., St. Petersburg State University of Architecture and Civil Engineering.

- Certificate No. 0000014 (28.03.2022-17.04.2022). Completed the course "Introduction to the theory of algorithms". Doctor of Physical and Mathematical Sciences, Professor, Novosibirsk State University, Head, Laboratory of Logistics Systems, Institute of Mathematics named after S.L. Sobolev, Siberian Branch of the Russian Academy of Sciences.
- Certificate No. 374021 (11.22.2021 – 11.27.2021) completed the advanced training course "Study of reanomalous materials with small deformations." In KarU named after academician E.A. Buketov.

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PERSONNEL QUALITIES

Native language Kazakh

RUSSIAN

LANGUAGE

UNDERSTANDING		SPEAKING	WRITING
Hearing	Reading	Oral speech	

LANGUAGE CERTIFICATE:

English

LANGUAGE CERTIFICATE:

Digital skills USER: MICROSOFT OFFICE (WORD, EXCEL, POWER POINT)

Other skills (hobbies) reading, traveling, sports games (volleyball, asyk atu, table tennis, checkers, chess)

ADDITIONAL INFORMATION

Main publications

1. Zh. Baigunchekov, R.A. Kaiyrov
Direct kinematics of a 3-PRRS type parallel manipulator.
International Journal of Mechanical Engineering and Robotics Research, 2020, 9(7), pp. 967-972.
 2. Baigunchekov Zh., Naurushev B., Zhumasheva Zh., Kaiyrov R., Amanov B.
Structurally Parametric Synthesis and Position Analysis of a RoboMech Class Parallel Manipulator with Two End-Effectors.
IAENG International Journal of Applied Mathematics, 2020, 5(1-77), стр. 1–11
 3. Ж.Ж. Байгунчеков, А.Қ. Мустафа, Р.А. Кайыров, А.Н. Касинов
Структурный синтез и геометрия параллельных манипуляторов вида 3-PRRS и 3-PRPS.
Вестник КБТУ №2, Алматы 2019, с. 54-58.
 4. Ж.Ж. Байгунчеков, Р.А. Кайыров
Обратная задача кинематики параллельного манипулятора вида 3-PRRS.
Вестник КБТУ №2, Алматы 2019, с. 64-68.
 5. Р.А. Кайыров
Жаңа трипод түрдегі 3-PRRS параллель манипулятордың кинематикалық талдауы.
КазНУ хабаршысы, математика, механика және информатика сериясы, Том 108, №4 2020, б. 58-71.
 6. Baigunchekov Z., Laribi M.A., Mustafa A., Kaiyrov, R., Amanov B., Kassinov A.
Geometry and Inverse Kinematics of 3-PRRS Type Parallel Manipulator
Advances in Intelligent Systems and Computing, 2020, 980, стр. 12–18
 7. Zh. Baigunchekov, M.A. M.A. Laribi, M. Izmambetov, Zh. Zhumasheva, R. Kaiyrov
The First Type of Singularity of a 3-PRRS Parallel Manipulator.
Mechanisms and Machine Science, 2020, 84, pp. 356-363.
 8. Zh. Baigunchekov, Zh. Zhumasheva, B. Naurushev, A. Mustafa, R. Kaiyrov, B. Amanov
Parallel Manipulator of a Class RoboMech with Two End-Effectors, Lecture Notes in Engineering and Computer Science. Imperial College London, 2019, pp. 7-20.
 9. Zhumadil Baigunchekov, Talgat Baigunchekov, Azamat Mustafa, Rustem Kaiyrov, Abzal Kassinov.
Structural-Parametric Synthesis and Position Analysis of Parallel Mechanism with Two Rectilinear Moving End-Effectors,
Proceeding of Seoul International Conference on Applied Science and Engineering, SICASE 2019, May 21-23, 2019, Seoul, Korea, pp.134-146.
 10. Baigunchekov Z., Laribi M.A., Kaiyrov R., Zholdassov E.
Inverse Kinematics and Workspace of a 3-PRRS Type Parallel Manipulator
— in journals in Scopus base - 2;
— in journals in Clarivate Analytics base - 2;
— in editions recommended by KOKSON MES RK – 3;
- Hirsh index in Scopus base – 2.
Hirsh index in Web of Science base – 1.

Participation in the implementation of scientific projects

Competition for grant funding for scientific and (or) scientific and technical projects for 2022-2024. Development and research of new parallel manipulators of the tripod type with six degrees of freedom.

Membership in professional scientific organizations

Awards and titles

Courses

1. Questions of mechanics in robotics
2. Fundamentals of robotics
3. Theoretical mechanics
4. Software package MatLab
5. Strength of materials
6. Analytical mechanics and dynamics of rigid bodies
7. Mechanics of machines and robotic systems

**Professional and scientific
interests**

theory of mechanisms and machines, robotics

**SCIENTIFIC DATABASES
IDENTIFIERS**

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ResearchID Web of Science: GBS-4336-2022