Mohammad Reza Bahrami, Ph.D.

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Research and Teaching statements

Personal Information

Name and Surname	Mohammad Reza BAHRAMI
Date of Birth	June 21, 1982
Citizenship	Iran, Russia
Status	Married
Address	140200, Flat No. 1, Building No. 17D, University Blvd., Samarkand, Uzbekistan
Languages	Persian (native), English (fluent), Russian (fluent), Arabic (basic)

Personal Profile (summary)

I received my Ph.D. from Peter the Great St. Petersburg Polytechnic University, St. Petersburg, Russia in the field of mechanical engineering in 2016. Since then, I have been working as an Assistant Professor, first at Peter the Great St. Petersburg Polytechnic University (2016-2018), and then at Innopolis University (2018-2022). Since May 2022, I am working as the Associate professor and Jan. 2023 I was promoted to the head of Cyber-Physical Systems Lab. From Sep. 2023 I am serving as the Head of Labs Center in Samarkand International University of Technology (SIUT) as well. During my academic career, I successfully supervised 10+ graduate and undergraduate thesis in the mechanical engineering and computer science track, published: 4 books, 17 book chapters (in Springer), 23 journal and procedia papers (in venues like Springer Nature), 29 conference papers (full papers in venues like IFToMM - A* conference). Across my career, I have received 4,870,000 rubles (approximately 100,000 USD) in awards, prizes, and research funding (grants). I am capable to teach classes of all sizes, including large cohorts of up to 350 students in offline/online/hybrid format. I have a good understanding of digital learning environments including usage of Microsoft Teams, Zoom, Moodle, Notion, GitHub, etc. in **offline/online/hybrid** format. Also, I have 10+ years of experience in the industry.

Employment History

2023 – · · · ·
- **Head of Cyberphysical Systems Lab.** Innopolis University, Russia.
- **Head of Lab. Center** Samarkand International University of Technology, Uzbekistan.

2022 – · · · ·
- **Associate professor.** Institute of "Information Security and Cyberphysical Systems". Innopolis University, Russia.

2018 – 2022
- **Assistant professor.** Institute of "Information Security and Cyberphysical Systems". Innopolis University, Russia.

2016 – 2018
- **Assistant professor.** Department of "Engineering science and design principles". Peter the Great St. Petersburg Polytechnic University, St. Petersburg, Russia.

2016 – 2017
- **Visiting professor.** ERASMUS +, Faculty of "Power and Transport Machinery Engineering". Aleksandras Stulginskis University, Lithuania.

- **Engineering researcher.** Department of "Engineering science and design principles". Peter the Great St. Petersburg Polytechnic University, St. Petersburg, Russia.

Employment History (continued)

2013 – 2016 **Ph.D. candidate.** Department of "Engineering science and design principles". Peter the Great St. Petersburg Polytechnic University, St. Petersburg, Russia.

2012 – 2015 **Consultant.** Taban Ghodrat-e-Kerman Co, Iran.

2010 – 2012 **Head of reconstruction affair.** Taban Ghodrat-e-Kerman Co, Iran.

2005 – 2010 **Maintenance engineer, project manager.** Taban Ghodrat-e-Kerman Co, Iran.

Education

2013 – 2016 **Ph.D., Peter the Great St. Petersburg Polytechnic University, Russia** in Mechanical Engineering.

2008 – 2010 **M.Sc. Sharif University of Technology, International Campus, Iran** in Mechatronics Engineering.

2001 – 2005 **B.Sc. Shahid Bahonar-e-Kerman University, Iran** in Mechanical Engineering.

Key Accomplishments

- Capability to teach classes of all sizes, including large cohorts of up to 350 students in offline/online/hybrid format.
- A good understanding of digital learning environments including Microsoft Teams, Zoom, Moodle, etc.
- Successfully supervised 10+ graduate and undergraduate theses in the mechanical engineering and computer science track.
- Published 4 books, 17 book chapters (in Springer), 22 journal papers (in venues like Springer Nature, ELSEVIER, MDPI), 28 conference papers (full papers in venues like IFToMM A* conference).
- Received 4,870,000 rubles (approximately 100,000 USD) in awards, prizes, and research funding (grants) throughout my career.
- Possess 10+ years of experience in the industry.
- Completed advanced training programs in teaching, including "Teaching of educational courses of educational programs in a foreign language", "Work in the electronic information educational environment." and Etc.
- Certified in Technologies for accompanying persons with disabilities and Welding Inspector certificated I and II, IWNT.

Service to Profession

Editorial	Board] SN Applied Sciences (Springer)
	Frontiers in Computer Science (MDPI)
Guest Editor	Mathematics (MDPI) Special Issue "Modeling and Simulation in Robotics, Mechanics and Power System"
Committee Member	Teaching regulation committee, Mathematics working group at Innopolis university
Referee (Conferences)	NIR 2021

Service to Profession (continued)

Committee program (Conferences)

- xAI 2023
- AMSTA 2023
- xAI 2024
- AMSTA 2024
- xAI 2025
- AMSTA 2025

Research Publications

According to Google Scholar, Febuary 2024- my work has been cited 400+ times (h-index 14).
Significant publications

- 4 - Q1 journal paper in MDPI Applied Sciences (h-index=101), Computer Standards & Interfaces (h-index: 76), and in SN Applied Sciences (h-index: 52)
- 2 – Q2 journal paper in MDPI (Future of Internet, h-index: 28 and Drones)
- 6 – Q3/Q4 journal/conference papers in Springer (Lecture notes in mechanical engineering/ Advances in Intelligent Systems and Computing, h-index: 45)
- 1 – conference paper in IFToMM 2019 **A* conference**
- 2 – conference papers in AIP (h-index: 75)
- 9 - conference papers in IOP: Materials Science and Engineering (h-index: 45)

Journal Articles

1. R. Faizrakhmanov, M. R. Bahrami, and A. Platunov, "Prototype, method, and experiment for evaluating usability of smart home user interfaces," *Computer Standards & Interfaces*, vol. 92, p. 103 903, 2025, ISSN: 0920-5489. DOI: https://doi.org/10.1016/j.csi.2024.103903.
2. M. Ahmed, B. Rasheed, H. Salloum, M. Hegazy, M. R. Bahrami, and M. Chuchkalov, "Seal pipeline: Enhancing dynamic object detection and tracking for autonomous unmanned surface vehicles in maritime environments," *Drones*, vol. 8, no. 10, 2024, ISSN: 2504-446X. DOI: 10.3390/drones8100561.
3. V. Suvorov, R. Vasilyev, B. Melnikov, I. Kuznetsov, and M. R. Bahrami, "Weight reduction of a ship crane truss structure made of composites," *Applied Sciences*, vol. 13, no. 15, p. 8916, 2023.
4. A. Sinegub, V. Suvorov, D. Gavrilov, and M. Bahrami, "Comparative analysis of the stress–strain state of a lightweight 3d-printed shoulder implant," *Biomedical Engineering*, vol. 56, no. 3, pp. 194–197, 2022.
5. V. A. Suvorov, M. R. Bahrami, P. A. Sorokin, P. V. Batyrov, E. S. Efimov, and O. G. Shamuratov, "Mathematical model and experimental study of a magnet coupling with a stop," *SN Applied Sciences*, vol. 4, no. 10, p. 286, 2022.
6. A. A. Asheichik, M. R. Bahrami, and D. K. Zorin, "Antifriction lubricant for vacuum," *Materials Today: Proceedings*, vol. 38, pp. 1335–1338, 2021.
7. M. R. BAHRAMI and A. ABBASZADE, "Effects of flexural rigidity and inhomogeneous boundary condition on deflection of taut string while an object move on it," *Modern engineering. Science and education*, no. 10, pp. 259–271, 2021.
8. M. Bahrami, "Non-contact atomic force microscope: Modeling and simulation using van der pol averaging method," *News of higher educational institutions. Applied Nonlinear Dynamics*, vol. 29, no. 3, pp. 345–355, 2021.

9 V. A. Suvorov, M. R. Bahrami, E. E. Akchurin, I. A. Chukalkin, S. A. Ermakov, and S. A. Kan, "Anti sway tuned control of gantry cranes," *SN Applied Sciences*, vol. 3, pp. 1–10, 2021.

10 A. Yuloskov, M. R. Bahrami, M. Mazzara, and I. Kotorov, "Smart cities in russia: Current situation and insights for future development," *Future Internet*, vol. 13, no. 10, p. 252, 2021.

11 M. R. Bahrami, "Dynamic analysis of atomic force microscope in tapping mode," *Vibroengineering Procedia*, vol. 32, pp. 13–19, 2020.

12 M. R. Bahrami, "Mechanics of robot inspector on electrical transmission lines conductors with unequal heights supports," *Vibroengineering Procedia*, vol. 30, pp. 20–25, 2020.

13 S. A. ABED and M. R. BAHRAMI, "The analytical analysis of flexibilities of single cracked jeffcott rotor," *Modern engineering. Science and education*, no. 8, pp. 365–376, 2019.

14 M. R. Bahrami and S. A. Abed, "Mechanics of robot inspector on electrical transmission lines conductors: Performance analysis of dynamic vibration absorber," *Vibroengineering Procedia*, vol. 25, pp. 60–64, 2019.

15 S. Abed, J. Al Drajy, and M. Bahrami, "Numerical investigation of a rotary-bearing system with a single crack using harmonic analysis," *St. Petersburg polytechnic university journal of engineering science and*, 2018.

16 S. Abed, M. Bahrami, and J. Thijel, "Dynamic behavior of rotor-bearings system with changing angle orientation between two cracks," *Science and business: ways of development*, 2018.

17 S. A. ABED, M. R. BAHRAMI, and J. F. THIJEL, "Analytical and numerical investigation to the effect of two cracks on the dynamic behavior of rotor-bearings system," *Perspectives of Science*, no. 11, pp. 26–34, 2018.

18 S. A. Abed, M. R. Bahrami, and J. F. Thijel, "The effect of two cracks on the dynamic behavior of rotor bearings system," *Reports Scientific Society*, no. 2, pp. 17–26, 2018.

19 A. Asheichik and M. Bahrami, "Investigation of graflon antifriction feature under friction in seawater," *Procedia Engineering*, vol. 206, pp. 642–646, 2017.

20 V. Eliseev and M. Bahrami, "Strength suspension of inspector robot on the electrical transmission line wire," *Bulletin of engineering*, vol. 6, pp. 19–22, 2016.

21 V. V. Eliseev and M. R. Bahrami, "Diagnostic machine on the wires of power lines: Device and problems of mechanics," *Scientific and technical statements of SPbPU. Natural and engineering sciences*, no. 214, pp. 200–207, 2015.

22 V. V. Eliseev and M. R. Bahrami, "Dynamics of power line wire with an inspector robot with limited engine power," *Theory of mechanisms and machines*, no. 28, pp. 6–11, 2015.

23 V. V. Eliseev and M. R. Bahrami, "Dynamics of power transmission line wires when a diagnostic machine moves along them," *News of higher educational institutions. Instrumentation*, no. 258, pp. 229–235, 2015.

Conference Proceedings

1 M. Sakka and M. R. Bahrami, "Bridging the gap: Decision-making challenges in smart parking systems," in *2024 International Ural Conference on Electrical Power Engineering (UralCon)*, 2024, pp. 762–769. DOI: 10.1109/UralCon62137.2024.10718918.

2 H. Salloum, M. Mazzara, and M. R. Bahrami, "Correction for the classical conditions for a collision in three-body system using general relativity and machine learning," in *Mathematical Modeling in Physical Sciences*, D. Vlachos, Ed., Cham: Springer Nature Switzerland, 2024, pp. 439–455, ISBN: 978-3-031-52965-8.

3. K. Askarbek and M. R. Bahrami, "Smart parking systems: A review on user interface features and real world examples," in *2023 International Ural Conference on Electrical Power Engineering (UralCon)*, 2023, pp. 615–622. DOI: 10.1109/UralCon59258.2023.10291071.
4. R. Faizrakhmanov, A. Platunov, and M. Bahrami, "Smart home user interface: Development and comparison," in *2023 International Conference on Industrial Engineering, Applications and Manufacturing (ICIEAM)*, IEEE, 2023, pp. 531–536.
5. R. Faizrakhmanov, A. Platunov, and M. R. Bahrami, "Smart home user interface: Overview," in *2023 International Conference on Industrial Engineering, Applications and Manufacturing (ICIEAM)*, IEEE, 2023, pp. 595–600.
6. A. Asheichik and M. R. Bahrami, "Research of the radial strength of a composite matrix of a cable-pusher for oil wells," in *Defect and Diffusion Forum*, Trans Tech Publ, vol. 419, 2022, pp. 109–115.
7. M. R. Bahrami, "Mechanics of robot for electrical line transmission inspection with non-homogeneous boundary conditions," in *AIP Conference Proceedings*, AIP Publishing, vol. 2486, 2022.
8. M. R. Bahrami and A. Abbaszade, "Non-contact base excited afm: Modeling and simulation," in *AIP Conference Proceedings*, AIP Publishing, vol. 2486, 2022.
9. F. Boufares, I. Doudech, and M. R. Bahrami, "Electrical transmission lines robot inspector: Design challenges," in *2022 International conference on industrial engineering, applications and manufacturing (ICIEAM)*, IEEE, 2022, pp. 746–754.
10. M. R. Bahrami, "Initial and boundary conditions effects on the motion of moving object on the electrical transmission line," in *2021 5th Scientific School Dynamics of Complex Networks and their Applications (DCNA)*, IEEE, 2021, pp. 40–43.
11. M. R. Bahrami, "Modeling and simulation of non-contact base excited afm," in *E3S Web of Conferences*, EDP Sciences, vol. 285, 2021, p. 07 035.
12. S. A. Abed, M. R. Bahrami, and J. F. Thijel, "Effect of two cracks in a rotor on stiffness using the theory of fracture mechanics," in *Proceedings of the 5th International Conference on Industrial Engineering (ICIE 2019) Volume I 5*, Springer, 2020, pp. 921–929.
13. S. A. Abed, M. R. Bahrami, and J. F. Thijel, "Numerical investigation of cracked rotor," in *IOP Conference Series: Materials Science and Engineering*, IOP Publishing, vol. 709, 2020, p. 044 073.
14. A. A. Asheichik, M. R. Bahrami, and D. K. Zorin, "Research of frost-resistant rubber for seals," in *IOP Conference Series: Materials Science and Engineering*, IOP Publishing, vol. 971, 2020, p. 022 100.
15. M. R. Bahrami, "Modeling of non-contact atomic force microscope with two-term excitations," in *IOP Conference Series: Materials Science and Engineering*, IOP Publishing, vol. 971, 2020, p. 042 052.
16. M. R. Bahrami, "Nonlinear dynamic analysis of non-contact atomic force microscope," in *2020 4th Scientific School on Dynamics of Complex Networks and their Application in Intellectual Robotics (DCNAIR)*, IEEE, 2020, pp. 49–52.
17. M. Bahrami, "Mechanics of inspection robot traveling over the electrical line with constant velocity," in *IOP Conference Series: Materials Science and Engineering*, IOP Publishing, vol. 939, 2020, p. 012 010.
18. M. Bahrami and S. Abed, "Mechanical challenges of electrical transmission lines inspection robot," in *IOP Conference Series: Materials Science and Engineering*, IOP Publishing, vol. 709, 2020, p. 022 099.
19. B. M. Reza, "Mechanics of electrical transmission line robot inspector: Pendulum as a dynamic vibration absorber," in *E3S Web of Conferences*, EDP Sciences, vol. 162, 2020, p. 03 004.
20. S. A. Abed, M. R. Bahrami, and J. F. Thijel, "Investigation of cracked rotor analytically and numerically," in *IOP Conference Series: Materials Science and Engineering*, IOP Publishing, vol. 666, 2019, p. 012 005.

21 A. S. Ahmed, B. M. Reza, and T. J. Farij, "Stability of a flexible rotor-bearing system with a transverse crack," in *IFToMM World Congress on Mechanism and Machine Science*, Springer, 2019, pp. 3363–3373.

22 M. R. Bahrami, M. Wasilewski, and S. A. Abed, "Vibration analysis of skidding tractor with an operator during raising–lowering a tree," in *IOP Conference Series: Materials Science and Engineering*, IOP Publishing, vol. 666, 2019, p. 012 007.

23 R. B. Mohammad and V. Suvorov, "Virtual non-contact atomic force microscope," in *IOP Conference Series: Materials Science and Engineering*, IOP Publishing, vol. 666, 2019, p. 012 008.

24 V. Suvorov and M. R. Bahrami, "The strength of the hull on a high longitudinal wave," in *IOP Conference Series: Materials Science and Engineering*, IOP Publishing, vol. 666, 2019, p. 012 001.

25 M. R. Bahrami, "Mechanics of diagnostic machine on electrical transmission lines conductors," in *MATEC Web of conferences*, EDP Sciences, vol. 224, 2018, p. 02 021.

26 B. MR, A. E., and V. S.S., "Modeling of two stage planetary gearbox using in windturbine through bond-graph," in *IOP Conference Series: Materials Science and Engineering*, Proceedings of Week of Science, Peter the Great St. Petersburg Polytechnic University, 2018, pp. 100–102.

27 A. A. Asheichik and M. R. Bahrami, "Prediction of leakage in the fixed mechanical seal," in *MATEC Web of Conferences*, EDP Sciences, vol. 129, 2017, p. 06 002.

28 B. MR, A. V.B., and I. G.V., "New scanner for analysis surface roughness," in *IOP Conference Series: Materials Science and Engineering*, Proceedings of Week of Science, Peter the Great St. Petersburg Polytechnic University, 2016, pp. 77–79.

29 M. Bahrami, A. Ramezani, and K. G. Osquie, "Modeling and simulation of non-contact atomic force microscope," in *Engineering Systems Design and Analysis*, vol. 49194, 2010, pp. 565–569.

Books and Chapters

1 S. Karim Eddin, H. Salloum, M. N. Shahin, B. Salloum, M. Mazzara, and M. Reza Bahrami, *Quantum microservices: transforming software architecture with quantum computing*. 2024, pp. 227–237.

2 H. Salloum, M. Alawir, M. A. Alatasi, S. Asekrea, M. Mazzara, and M. R. Bahrami, *Quantum advancements in securing networking infrastructures*. 2024, pp. 354–363.

3 H. Salloum, H. S. Aldaghstany, O. Orabi, A. Haidar, M. R. Bahrami, and M. Mazzara, *Integration of machine learning with quantum annealing*. 2024, pp. 338–348.

4 M. R. Bahrami, B. Bahrami, F. Behboodi, and S. Pourrafie, *Teaching the Future: The Vision of AI/ChatGPT in Education*. 2023, pp. 393–402.

5 R. Islam, L. Johard, M. R. Bahrami, and M. Zaman, *An Analytic Hierarchy Process for Student Motivation*. 2023, pp. 277–288.

6 A. Yuloskov, M. R. Bahrami, M. Mazzara, G. B. Imbugwa, I. Ndukwe, and I. Kotorov, *Traffic Light Algorithms in Smart Cities: Simulation and Analysis*. 2023, pp. 222–235.

7 A. Asheichik and M. R. Bahrami, *Research of the Antifriction Properties of PTFE Composites*. 2022, pp. 576–586.

8 M. Mazzara, P. Zhdanov, M. R. Bahrami, *et al.*, "Education after covid-19," in *Smart and sustainable technology for resilient cities and communities*, Springer, 2022, pp. 193–207.

9 M. R. Bahrami, *Mechanical challenges of inspection robot moving along the electrical line: Effect of flexural rigidity*. 2021, pp. 30–37.

10 M. R. Bahrami, *Modeling of Motion of Electrical Transmission Line Robot Inspector*. 2021, pp. 841–850.

11 M. R. Bahrami, *Modeling of Movement of Electrical Transmission Line Robot Inspector Through Bond Graph*. 2021, pp. 657–664.

12 M. R. Bahrami, *Modeling of physical systems through bond graphs, 2nd edition*. 2021.

13 M. Bahrami, *ANSYS Tutorial: An Introduction to Elasticity and Contact Problems in Mechanical APDL 15.0: tutorial. 2nd Edition*. 2021.

14 M. Bahrami, *Mechanical Challenges of Electrical Transmission Lines Robot Inspector: Analysis of Motion*. 2021, pp. 841–850.

15 S. Megha, H. Salem, E. Ayan, *et al.*, *Survey on blockchain applications for healthcare: Reflections and challenges*. 2021, pp. 310–322.

16 M. R. Bahrami and A. B. Abeygunawardana, *Modeling and simulation of dynamic contact atomic force microscope*. 2019, pp. 109–118.

17 M. R. Bahrami, S. Masyagin, and G. Succi, *A Review of the Structure of a Course on Advanced Statistics for Data Scientists*. 2019, pp. 19–27.

18 M. R. Bahrami, *Modeling of physical systems through bond graphs*. 2018.

19 M. R. Bahrami and A. B. Abeygunawardana, *Modeling and simulation of tapping mode atomic force microscope through a bond-graph*. 2018, pp. 9–15.

20 M. Bahrami, *ANSYS Tutorial: An Introduction to Elasticity and Contact Problems in Mechanical APDL 15.0: tutorial*. 2018.

21 M. R. Bahrami, *A novel design of an electrical transmission line inspection machine*. 2016, pp. 67–73.

Teaching capability (and not limited)

I am confident that I can deliver math courses like Optimization, Linear Algebra at any level, as well as adequately teaching a series of courses including Static, Dynamic, Vibration, Control, Advanced Control, Nonlinear Control Systems, Advanced Dynamics, Modeling of Dynamical Systems, Design of Mechanical Parts, Design of Mechanical Parts using SolidWorks, MATLAB Tutorial: Analysis and Design of Control Systems using MATLAB, MATLAB for Mechanical engineering, Robotic and Mechatronic tracks, etc. I am capable to teach classes of all sizes, including large cohorts of up to 350 students in offline/online/hybrid format. I have a good understanding of digital learning environments including usage of Microsoft Teams, Zoom, Moodle, Notion, GitHub, etc. in **offline/online/hybrid** format. It should be mentioned that the medium of teaching is English.

Teaching Experience

2024
- Freshman Design, Samarkand International University of Technology University, BSc. (38 students)
- Introduction to Engineering, Samarkand International University of Technology University, BSc. (95 students)
- Introduction to Optimization, Innopolis University, BSc. (300 students)

2023
- Optimization, Innopolis University, MSc. (40 students)
- Introduction to Optimization, Innopolis University, BSc. (320 students)
- Introduction to Engineering, Samarkand International University of Technology University, BSc. (38 students)

Teaching Experience (continued)

2022
- Optimization, Innopolis University, MSc. (30 students)
- Introduction to Optimization, Innopolis University, BSc. (240 students)

2021
- Analytical Geometry and Linear Algebra II, Innopolis University, BSc (150 students)
- Analytical Geometry and Linear Algebra I, Innopolis University, BSc (150 students)
- Cyberphysical System Modeling, Innopolis University, BSc (20 students)
- Logic and Discrete Mathematic, Innopolis University, BSc (170 students)
- Advanced Statistics Innopolis University MSc (25 students)

2020
- Analytical Geometry and Linear Algebra I, Innopolis University, BSc (140 students)
- Analytical Geometry and Linear Algebra II, Innopolis University, BSc (140 students)
- Mechanics and Machines, Innopolis University, BSc (15 students)
- Theoretical Mechanics, Innopolis University, BSc (15 students)

2019
- Physics I (Mechanics), Innopolis University, BSc (150 students)
- Mechanics and Machines, Innopolis University, BSc (10 students)
- Analytical Geometry and Linear Algebra II, Innopolis University, BSc (130 students)

2018
- Physics I (Mechanics), Innopolis University, BSc (140 students)
- Theoretical Mechanics, Innopolis University, BSc (10 students)
- Modeling of Contact Mechanics (ANSYS), Peter the Great St. Petersburg Polytechnical University, BSc (20 students)

2017
- Modeling of Contact Mechanics (ANSYS), Peter the Great St. Petersburg Polytechnical University, BSc (20 students)
- Contact Mechanics, Peter the Great St. Petersburg Polytechnical University, MSc (25 students)
- Physical System Modeling Using Bond-Graph (visiting professor) Aleksandras Stulginskis University, Lithuania , BSc (25 students)
- Physical System Modeling Using Bond-Graph, Peter the Great St. Petersburg Polytechnical University, BSc (16 students)

2016
- Contact Mechanics, Peter the Great St. Petersburg Polytechnical University, MSc (25 students)

2015
- Elasticity (strength of materials) - As Teaching Assistant, Peter the Great St. Petersburg Polytechnical University, BSc (20 students)

2014
- Dynamics of Machine - As Teaching Assistant Peter the Great St. Petersburg Polytechnical University, BSc (20 students)

Skills

Languages	Strong reading, writing and speaking competencies for English and Russian. Persian (native). Arabic (basic).
Coding	Python
FEM/CAD	ANSYS, SolidWorks, AutoCAD.

Skills (continued)

Mathematical Modeling Softwares	MATLAB, MAPLE, Mathcad.
Misc.	Academic research, teaching, training, consultation, LaTeX typesetting and publishing.

Documentation in Notion, GitHUb

Miscellaneous Experience

Awards and Achievements

Across my career, I have received 4,870,000 rubles (approximately 100,000 USD) in awards, prizes, and research funding (grants):

- 2024 listed as **Top 50 Specialists and Managers** in Republic of Tatarstan, Gazeta.ru (here)
- 2022 **Best employee of the year**, Innopolis University.
- **Certificate of honor**, Innopolis University.
- 2021 **Certificate of nomination "Mr Efficiency"**, Innopolis University.
- 2019 **Best employee of the year**, Innopolis University.
- 2018 **Congratulation letter - Excellent academic debut**, Innopolis University.
- **Russian Scientific Found grant**, Core member, with Dr. Klimchik, Development of models, methods, and algorithms for calibration of parallel robots with flexible couplings, 1000000 rubles.
- **Grant** for working as a university teacher, Program 5-100, Peter the Great St. Petersburg Polytechnic University, 180000 rubles.
- **Grant. Erasmus** +, 200 euros for attending in 17th international symposium Topical Problems in the Field of Electrical and Power Engineering, Estonia
- 2017 **Grant** for working as a university teacher, Program 5-100, Peter the Great St. Petersburg Polytechnic University, 220000 rubles.
- **Best presentation and article**, 16th international symposium Topical Problems in the Field of Electrical and Power Engineering, Parnu, Estonia
- **Grant. Erasmus** +, 200 euros for attending in 16th international symposium Topical Problems in the Field of Electrical and Power Engineering, Parnu, Estonia
- 2016 **Grant** for working as a university teacher, Program 5-100, Peter the Great St. Petersburg Polytechnic University, 260000 rubles.
- 2015 **Grant** for Ph.D. students, Program 5-100, Peter the Great St. Petersburg Polytechnic University, 105000 rubles.
- 2014 **Grant** for Ph.D. students, Program 5-100, Peter the Great St. Petersburg Polytechnic University, 75000 rubles.

Certification

- 2020 **Technologies for accompanying persons with disabilities**. Awarded by Vitebsky university, Russia.
- 2018 **Work in the electronic information educational environment**. Awarded by Peter the Great St. Petersburg polytechnical university, Russia.
- **Instructional Skills Workshop (ISW)**. Awarded by Innopolis University, Russia.
- 2017 **Advanced training program in "Teaching of educational courses of educational programs in a foreign language"**. Awarded by Peter the Great St. Petersburg polytechnical university, Russia.

Miscellaneous Experience (continued)

2006 **Welding Inspector certificated I and II**. Awarded by IWNT.

2005 **ICDL**.

2002 **Installing and gradation of personal computers**.

References

Below are three professional references who can attest to my qualifications, work ethic, and achievements. Please feel free to contact them for further information.

1. **Name**: Dr. Muhammad Fahim
   Affiliation: Queen's University Belfast
   Position: Senior lecturer
   Email: m.fahim@qub.ac.uk
   Phone: +447833232666

2. **Name**: Dr. Iouri Kotorov
   Affiliation: Karelia University of Applied Sciences
   Position: Senior lecturer
   Email: Iouri.Kotorov@karelia.fi

3. **Name**: Prof. Dr. Mirko Farina
   Affiliation: Institute for Digital Economy and Artificial Systems, Xiamen University
   Position: Senior lecturer
   Email: m.farina@xmu.edu.cn
   Phone: +8613459222750