



Vitalina Babenko



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WORK EXPERIENCE

2026 – CURRENT Kharkiv, Ukraine

VICE-RECTOR FOR RESEARCH AND INTERNATIONAL COOPERATION

SIMON KUZNETS KHARKIV NATIONAL UNIVERSITY OF ECONOMICS

2025 – 2026 Kharkiv, Ukraine

DIRECTOR OF THE LASER AND BIOMEDICAL ENGINEERING INSTITUTE

KHARKIV NATIONAL UNIVERSITY OF RADIO ELECTRONICS

2014 – 2025 Kharkiv, Ukraine

PROFESSOR OF THE MATHEMATICAL MODELING AND DATA ANALYSIS DEPARTMENT, EDUCATION AND SCIENTIFIC INSTITUTE "COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE" V. N. KARAZIN KHARKIV NATIONAL UNIVERSITY

2023 –2024 Daugavpils, Latvia

VISITING PROFESSOR OF THE DEPARTMENT OF LAW, MANAGEMENT AND ECONOMICS (PART TIME)

DAUGAVPILS UNIVERSITY

2023 – CURRENT Kharkiv, Ukraine

HEAD OF THE COMPUTER SCIENCE AND INFORMATION SYSTEMS DEPARTMENT; PROFESSOR (PART TIME)

KHARKIV NATIONAL AUTOMOBILE AND HIGHWAY UNIVERSITY

2014 – 2023 Kharkiv, Ukraine

PROFESSOR OF INTERNATIONAL BUSINESS AND ECONOMIC THEORY DEPARTMENT, THE SCHOOL OF INTERNATIONAL ECONOMIC RELATIONS AND TRAVEL BUSINESS V. N. KARAZIN KHARKIV NATIONAL UNIVERSITY

2000 – 2014 Kharkiv, Ukraine

HEAD OF THE DEPARTMENT OF ECONOMIC CYBERNETICS (2007-2014); ASSOCIATE PROFESSOR (2000-2004)

V. V. DOKUCHAEV KHARKIV NATIONAL AGRARIAN UNIVERSITY

1999 – 2023 Kharkiv, Ukraine

PROFESSOR OF THE CENTER OF EDUCATION FOR FOREIGN CITIZENS (PART TIME) (2021 – 2023), ASSOCIATE PROFESSOR OF THE DEPARTMENT OF INFORMATICS (2003-2010), LECTURER OF THE DEPARTMENT OF SOFTWARE (1999-2003) KHARKIV NATIONAL UNIVERSITY OF RADIO ELECTRONICS

ACADEMIC DEGREES AND TITLES

Professor (Full) (11.10.2017)

V. N. Karazin Kharkiv National University (Ukraine), International Business and Economic Theory Department

Doctor of Science in Economics (habil.) (15.12.2015)

Simon Kuznets Kharkiv National University of Economics (Ukraine)

Specialty 08.00.11 - Mathematical Models, Methods and Information Technologies in Economics

Associate Professor (16.12.2004)

V. V. Dokuchaev Kharkiv National Agrarian University (Ukraine), Department of Economic Cybernetics

Ph.D. in Computer Science (10.11.1999)

Kharkiv National University of Radio Electronics (Ukraine)

Specialty 01.05.02 - Mathematical Modeling and Computational Methods

MSc in Economics (13.06.1997)

Kharkiv State Academy of Municipal Economy (Ukraine)

MSc in Applied Mathematics (15.06.1995) (Diploma with Honors)

Kharkiv National University of Radio Electronics (Ukraine)

AFFILIATION WITH ACADEMIC AND SCIENTIFIC BODIES

- National Contact Point "European Institute of Innovations and Technology" (HORIZON Europe) [EU Funding & Tenders Portal \(europea.eu\)](https://europea.eu);
- Member of the Doctoral Academic Councils in Economics <http://surl.li/dgrsio>;
- Expert of forecasting and analytical research "Ukrainian scientific and technological foresight" on fundamental research in the latest areas of mathematics and natural sciences (Decree of the Presidium of the National Academy of Sciences of Ukraine No. 442 dated 08.08.2024)
- Member of EU Research and Innovation Community, European Commission;
- Member of the International Business and Economic Research Academy;
- Member of the Universal Society of the Applied Research "USAR", Czech Republic;
- Chairman of the section of research and innovation in Ukraine's universities EU program "Horizon 2020";
- Deputy Chairman of the Expert Group for assessing the effectiveness of Ukrainian higher educational institutions in the scientific field of "Social Sciences";
- Expert of M-ERA.NET Call 2024;
- Expert of the Competition HORIZON-MSCA-2023, 2024, European Commission;
- Expert of the Leibniz Competition, Leibniz Association (Germany);
- Expert in the Ministry of Education and Science of Ukraine;
- Expert of the National Research Foundation of Ukraine in Economic Sciences;
- Expert of the Ukrainian Institute Scientific-Technical Information;
- Expert of the National Agency for Quality Assurance in Higher Education;
- member of some Councils of the national and international scientific associations

GRANT PROGRAMS SUPPORT

Coordinator and Co-coordinator of 17 scientific projects, government grants (recently):

1. EIT-BEST (NCP EIT Training, Networking and Best Practices Initiative), Horizon-EIT-2024-NCP-IBA, №101234240, HORIZON Europe
2. ERASMUS-2025-1-IT02-KA220-HED-000353612 Enhancing Human-Centric Engineering Skills in Learning Factories for Industry5.0 (2026-2029)
3. ERASMUS-JMO-2023-HEI-TCH-RSCH. Digitalization of business processes and financial technologies: European experience for Ukraine (DBPROFINTECH), № 101127664, 2023-2025 ([DBPROFINTECH - English](#))
4. Ukraine 4.0. Foresight studies of socio-economic change and predicting professional qualifications with digital skills, Friedrich Ebert Foundation in Ukraine (Germany), 2021-2023.
5. Strategy and innovative technologies for the processing of organic animal waste in the context of ensuring neutral land degradation: from linear to circular economy, № 0122U001484, V. N. Karazin Kharkiv National University (Ukraine), 2022-2025.
6. Module Jean Monnet European integration of Ukraine in Industry 4.0 (611674-EPP-1-2019-1-UA-EPPJMO-MODULE), Karazin University (Ukraine), 2019-2022.
7. Modeling risks and security in the digital economy, №925, Ministry of Education and Science, Vadim Getman Kyiv National Economic University (Ukraine), 2020-2022.
8. Computer expert system for analyzing results and making decisions to improve the quality of the educational process, № 0111U001459, Karazin University (Ukraine), 2011-2012.
9. Socio-economic immunity of the region: diagnostics and prognosis of protection from crisis phenomena, №09- C-6-1001, Institute of Economics, Ural Branch of the RAS (RF), 2009-2011.
10. Nonlinear Dynamics of the Development of Socio-economic Systems: Diagnostics, Modeling, Forecasting, №11-02-00531a, Institute of Economics of Urals RAS (RF), 2011-2013.

CONFERENCES AND SEMINARS

Took part in 127 conferences and workshops as a Chair, Keynote Speaker, member of the Scientific Program Committee, Organizer and Session Chair

PUBLICATIONS

Total 335 papers in peer-reviewed journals, proceedings of conferences, books and chapters in books, edited volumes, and Utility model patents

SCIENTIFIC INTERESTS

Artificial Intelligence & Machine Learning, Multi-Sensor Data Fusion, Mathematical Modeling of Complex Systems, Dynamic Optimization & Control, Decision Making under Uncertainty and Risk, Data Science & Signal Processing, Digitalization & Innovation Management in Dual-Use Technologies