LEPL - David Aghmashenebeli National Defence Academy of Georgia



Personal Information

Maya Barbakadze

20 march, 1959 y.

female

Georgian

Education

17 May 2011 y.

Ph D Faculty of Mechanics and Mechanical Engineering. 1977 - 1982 y

M D **Graduated specialist in Jurisprudence.** Diploma AA №000072; Georgian Technical University. International Oil and Gas Pipeline Exploited faculty. 2002 – 2007 y.

Doc

Workplace, experience

National Defense Academy of Georgia. Faculty of Mechanical Engineering. Professor. 2026 y - till today;

National Defense Academy of Georgia. Faculty of Mechanical Engineering. Asistent–Professor. 2024 –2025 december 31.

Ge

Agrarian and Free University of Georgia. Faculty of Mechanical Engineering. Visiting Associate Professor. 2018 y - till today;

gia

National Defense Academy of Georgia. Faculty of Mechanical Engineering. Visiting Associate Professor. 2020 – 2024 y.;

n

Georgian Technical University. Faculty of Transport and Mechanical Engineering. Department of Marine Transport.

Associate Professor

Georgian Technical University. Faculty of Transport and Mechanical Engineering. Department of Engineering Graphics

Master Teacher

Georgian Technical University. Faculty of Transport and Mechanical Engineering. Department of Construction

Engineer

Special construction bureau of local industry of Georgia. Design department for non-standard goods. Leading Engineer-Constructor. 1984 - 1992 y.

Courses and trainings taken

"LESSON PLANNING AND CURRICULUM DESIGN"

The NATO Defence Education Enhancement Programme And the Partnership for Peace Consortium of Defence Academies and Security Studies Institutes. October 27 – 31 2025 . Gori, Georgia

" ASSESMENT AND ACTIVE LEARING COURCE "

The NATO Defence Education Enhancement Programme And the Partnership for Peace Consortium of Defence Academies and Security Studies Institutes; March 17 – 21 2025 . Gori, Georgia

Trainings regarding the transition of the ISO system to the European directive:

1. *Market Placing and Safety of New Lifts According to the EU Directive 95/16/EC; (Placing new elevators on the market and their safety). 2012 April;*
2. *Legal and other Requirements Applicable in the Recreational Craft Sector in the EU and the EEA. (Recreational Watercraft Directive). May 17-18. 2012 y;*
3. *Market Placing and Safety of New Cableway Installations According to the EU Directive 2000/9/EC. (Marketing of new ropeways and their safety). October, 2012 y.*

*Teacher training program - "**Modern Methodologist in Teaching and Learning". Iova State Universiry Center of Excellence in Teaching and Learning. Georgian Technical University PDC CETL. 2015 y.*

***Training - Information technologies in science.** Association for Science; 25.07. 2022 – 2.08.2022 y.*

*"**Computer Skills and Google Services". Georgian Technical University, 2023 y.*

Conferences, symposiums, awards

"**Clusters as a breakthrough concept of organization of regionally concentrated economic activity**". Prof. Eva Bozhar Lublin University of Technology; STU; 2016 June 30

Development of entrepreneurship based on the flow of foreign investment in the era of globalization. The case of Georgia and Poland". Prof. Agneska Rzepka. Lublin University of Technology; GTU. 2016 June 30

Knowledge of languages

Georgian language - native, perfect
Russian language - perfectly
English - middle

computer programs

Microsoft Windows, Word, Exel, Power Point, Page Maker, Auto CAD

Scientific papers published in local journals (Last 10 years)

1. **Seaports and Their Mechanical Equipment (Supplementary Manual). O. Gelashvili, M. Barbakadze. Tbilisi: "Technical University", ISBN 978-9941-20-520-0. 2014. 360 pp.;**
2. **Mechanization of Loading and Unloading Operations in Maritime Transport (**Textbook). M. Barbakadze, T. Archvadze, V. Kartvelishvili. Tbilisi, "Technical University", ISBN 978-9941-20-521-7. 2015. 252 pp.
3. **Construction of a Circle Tangent to Three Circles Using Heron's Method**. S. Bitsadze, R. Bitsadze, M. Barbakadze. Article. Scientific-Technical Journal "Transport and Machine Building". No. 1(32), 2015.
4. **Problems Caused by the Absence of State Standards**. M. Barbakadze, S. Bitsadze. Article. Scientific-Pedagogical Journal "Education" (Ganatleba). ISSN 1512-102X. No. 2(13), 6 pp. 2015.
5. **Transport and Ecology**. (Article). M. Barbakadze, M. Moistsrapishvili, T. Urotadze. Scientific-Pedagogical Journal "Ganatleba" (Education). ISSN 1512-102X. No. 3(14), 11 pages, 2015.
6. **The Role of Transport in Global Warming.** (Article). M. Barbakadze, V. Kartvelishvili. Scientific-Pedagogical Journal "Ganatleba" (Education). ISSN 2346-8300. No. 3(16), 9 pages, 2016.
7. **History of the Development of Mechanics**. (Article). M. Barbakadze, V. Kartvelishvili. Scientific-Pedagogical, Refereed and Peer-Reviewed Journal "Ganatleba" (Education). ISSN 2346-8300. No. 3(16), 6 pages, 2016.
8. **The Role of Georgia's Ferry Crossings in the TRACECA Project**. (Article). M. Barbakadze, O. Babilua. Refereed and Peer-Reviewed International Scientific Journal "Business Engineering". No. 1-2, ISSN 1512-0538. 4 pages, 2021.
9. **Dynamic Analysis of Hoisting and Transport Machinery**. (Article). M. Barbakadze, I. Kachiuri, G. Kipiani. Georgian Academy of Business Sciences. Refereed and peer-reviewed international scientific journal "Moambe" No. 50. Tbilisi, DOI.ORG/10.52340/GBASB; ISSN 2233-3606 (PRINT), 10 pp. 2024.
10. **Automobiles (**Textbook). M. Barbakadze. National Defence Academy of Georgia. Tbilisi, ISBN 978-9941-521-90-4. 315 pp. 2025.
11. **Impact of Meteorological Cataclysms on the Stability of Gantry Cranes**. M. Barbakadze, T. Khmelidze, G. Nadirashvili, N. Gogiashvili. Georgian Technical University. 4th Water Resources Protection Day Forum. 2025. pp. 127–138.
12. **Introduction to Engineering** (Textbook). M. Barbakadze. David Agmashenebeli National Defence Academy of Georgia. ISBN 978-9941-533-93-8 "Universali", Tbilisi, 2026. 167 pp.
13. **Engineering Measurements** (Textbook). M. Barbakadze. David Agmashenebeli National Defence Academy of Georgia. ISBN 978-9941-533-60-0 "Universali", Tbilisi, 2026. 226 pp.

14. **Continuous-Action Transport Machines** (Reader). M. Barbakadze. David Agmashenebeli National Defence Academy of Georgia. 2026. 32 pp.

Scientific papers published in international journals (Last 10 years)

Dynamic Analysis of Hoisting and Transport Machinery. (Article).
M. Barbakadze, I. Kachiuri, G. Kipiani. Georgian Academy of Business Sciences.
Refereed and peer-reviewed international scientific journal "Moambe" No. 50.
Tbilisi, DOI.ORG/10.52340/GBASB; ISSN 2233-3606 (Print), 10 pp., 2024.

Reports made in local scientific conferences (Last 10 years)

1.**Prospects of the Anaklia maritime area from a global economic perspective**. International Scientific Conference "The World and the Caucasus". GTU. Tbilisi. Presentation. May 17–19, 2013.

Research of thermo-dynamic processes occurring in pneumatic systems with high-pressure rubber-cord shells. Presentation International Scientific Conference: "Mechanic-2014"; Tbilisi, May 2014.

Modernization of the gantry crane's travel wheel to enhance its durability and reliability. (Presentation).
13th Annual International Conference of the Georgian Union of Mechanics.
Batumi, August 24–26, 2022.

Optimization of the technology for earthworks related to canal bed excavation.
13th Annual International Conference of the Georgian Union of Mechanics.
Batumi, August 24–26, 2022.

The role of Georgia's ferry crossings in the current geopolitical situation.
National Defence Academy of Georgia. Scientific-Practical Conference on Current Issues of 2022.
Gori, 2022. Presentation.

Impact of Meteorological Cataclysms on the Stability of Gantry Cranes. Presentation.
4th Forum on Water Resources Protection Day. GTU, 2025.

Reports made in international scientific conferences (Last 10 years)

1. EDUCATIONAL EXPERIMENTATION IN TECHNICAL EDUCATION.
Scientific and Technical Conference "TOOLS AND TECHNOLOGIES FOR THE MODERN LEARNING ENVIRONMENT".
Kirovohrad, May 17–18, 2013

2. EDUCATIONAL PSYCHOLOGY IN THE TEACHING OF GRAPHICS DISCIPLINES.
2nd International Scientific and Practical Conference "PEDAGOGY AND PSYCHOLOGY IN THE CONTEXT OF MODERN RESEARCH ON PERSONALITY DEVELOPMENT ISSUES"
Moscow, May 31, 2013;

1. **The modernized running wheel of the gantry crane.**
   I-st Internacional scientific conference: «Applied Sciences and technologies in the United States and Europe: common challenges and scientific finding» (Прикладные науки и технологии в США и Европе: общие проблемы и научные открытия). Труды. New York, 29 June, 2013

2. **VALUE OF PORT ANAKLIA IN THE NEW PROJECT "SILK ROAD".** Report

9th Silk Road International Conference on Business, Economics, International Relations and Education. IBSU, Tbilisi. May 23-25. 2014.

5. **MARITIME TRANSPORT AND ECOLOGY**. Report
POLAND-GEORGIAN INTERNATIONAL SCIENTIFIC-TECHNICAL CONFERENCE
"TRANSPORT BRIDGE EUROPE - ASIA", October, 22-24, 2014, Tbilisi

6. **Dynamic Stady of Overhead Crane.**
3rd Tashkent International Congress on Modern ciences held onine and in-person .
April 22-23, 2024. Uzbekistan

Other Participation in scientific research projects (Last 10 years)

Participant in the process of analysis of the profession and development of professional standards using the Dakum methodology within the framework of the promotion program for the development of professional qualifications (for the qualification **"Metro Mechanic").**

Sat. National Center for Education Quality Development. 2015

Additional information

1. Inspector of accredited body "Techinspectgaranti" LLC (Metropolitan escalators department). from 2016 to present;

2. Member of the Educational Programs Accreditation Council.
From July 27, 2026.