LEPL – DAVID AGHMASHENEBELI NATIONAL DEFENCE ACADEMY OF GEORGIA



PERSONAL INFORMATION

Full Name: Irakli Tabatadze
Date of Birth: 09 February 1967
Place of Birth: Tbilisi, Georgia
Citizenship: Georgian
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EDUCATION

M. Komarov Physics and Mathematics Boarding School, Tbilisi.
Georgian Polytechnic Institute, Faculty of Engineering Physics, 1984–1989.
A. A. Baikov Institute of Metallurgy, Trainee, Russian Federation, 04 January 1988–03 January 1989.
A. F. Ioffe Physico-Technical Institute, Trainee, Russian Federation, 03 January 1990–03 January 1993.
A. F. Ioffe Physico-Technical Institute, Postgraduate Student, Russian Federation, 03 January 1993–03 January 1996.
Georgian Technical University, Doctoral Studies, 2014–2017.

EMPLOYMENT AND PROFESSIONAL EXPERIENCE

Georgian Technical University — Engineer, 03 January 2003–04 January 2010.
Georgian Technical University — Laboratory Assistant, 03 January 2011–03 January 2014.
Georgian Technical University — Senior Lecturer, 03 January 2014–03 January 2019.
LEPL Ilia Vekua Sukhumi Institute of Physics and Technology — Research Fellow, 03 January 2017.
LEPL National Defence Academy of Georgia — Laboratory Assistant, 07 January 2023.

COURSES AND TRAINING

LANGUAGE SKILLS

Georgian: Native
Russian: Fluent
English: With the use of a dictionary

COMPUTER SKILLS

Ms Word; Ms Excel; Ms PowerPoint; Ms Project.

SCIENTIFIC PAPERS PUBLISHED IN LOCAL JOURNALS (LAST 10 YEARS)

Thermoelectric Generator Based on SiGe Alloys. K. Barbakadze, Z. Isakadze, A. Kutsia, I. Tabatadze, M. Rexviashvili. Nontraditional Energy Laboratory, LEPL Ilia Vekua Sukhumi Institute of Physics and Technology, Tbilisi, 0186, Georgia. Corresponding author e-mail: barbara@gmail.com. 2025.

High-Temperature Thermoelectric Generator Based on SiGe Alloys. K. Barbakadze, G. Bokuchava, Z. Isakadze, A. Kutsia, I. Tabatadze, M. Barbakadze, M. Rekhviashvili. Proceedings of the David Aghmashenebeli National Defence Academy of Georgia, 2022, ISSN 2587-4837, pp. 46–52.

SiGe Alloys Synthesized by Hot Pressing and a Thermoelectric Generator Created on Their Basis. K. Barbakadze, G. Bokuchava, Z. Isakadze, A. Kutsia, I. Tabatadze, M. Barbakadze, M. Rekhviashvili. Proceedings of the 4th International Conference "Modern Technologies and Methods of Inorganic Materials Science", IMS 2021, p. 18, 2021.

Relaxation Internal Friction in a Thermally Treated n-GaAs:Te Single Crystal. I. Tabatadze, M. Bibiluri. Energy Scientific and Technical Journal, 1(97)/2021, Georgian Technical University, Union "Science and Energy", 2021.

Inelastic Properties of Vanadium and V0.95Nb0.05 Alloy. I. Tabatadze. Scientific and Technical Journal Energy, 1(97)/2021, Georgian Technical University, Union "Science and Energy", 2021.

Relaxation Phenomena in Alpha-Zirconium. I. Tabatadze. Scientific and Technical Journal Energy, 2(98)/2021, Georgian Technical University, Union "Science and Energy", 2021.

High-Temperature Thermoelectric Converter Based on n- and p-Type Si0.95Ge0.05 Alloys. K. Barbakadze, G. Bokuchava, Z. Isakadze, A. Kutsia, I. Tabatadze, M. Barbakadze, M. Rekhviashvili. Periodical Scientific-Refereed Journal of the David Aghmashenebeli National Defence Academy of Georgia, 2019.

Relative Mechanical Strength of Erbium Monotelluride Films. Z. Jabhua, I. Tabatadze. Georgian Technical University, Tbilisi, Georgian Nano Studies, 2016.

SCIENTIFIC PAPERS PUBLISHED IN INTERNATIONAL JOURNALS (LAST 10 YEARS)

PRESENTATIONS AT LOCAL SCIENTIFIC CONFERENCES (LAST 10 YEARS)

PRESENTATIONS AT INTERNATIONAL SCIENTIFIC CONFERENCES (LAST 10 YEARS)

OTHER SCIENTIFIC-RESEARCH ACTIVITIES (LAST 10 YEARS)

ADDITIONAL INFORMATION

Scientific Forums:

- **Preparation of ErTe Films by Vacuum-Thermal Evaporation and Some Physical Properties.** 82nd Students' International Scientific Conference, Tbilisi, Georgia, 2014.
- **Electrical and Optical Properties of TbS and ErTe Nanofilms.** International Scientific Conference "Nuclear Radiation Nanosensors and Nanosensory Systems", Tbilisi, Georgia, 2014.
- **Optical Properties of Dysprosium Monoantimonide Thin Films.** 81st Students' International Scientific Conference, Tbilisi, Georgia, 2013.
- **Optical Properties of Dysprosium Thin Films.** International Conference "Nanosensory Systems and Nanomaterials", Tbilisi, Georgia, 2013.

COMPLETED PROJECTS

- No. 608906 – NANOMAT-EPC – "Introducing Technologies for Nanomaterials Beneficial to Society in European Neighbourhood Countries", European Union Seventh Framework Programme for Research and Innovation (FP7-NMP.2013.4.0-5), 2015.
- No. 294299 – Strengthening Links between the Georgian Technical University and the European Research Area in the Field of Sensor Research, European Union Seventh Framework Programme (FP7-INCO-2011-6), 2013.