

# Evtikhi Machavariani

## Personal Information

Name Surname: **Evtikhi Machavariani**  
Date of Birth: 1943-03-02  
Sex: Male  
Citizenship: Georgian  
Phone: 599205149  
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## Education

Academic Degree: Ph.D./Equivalent to Ph.D  
Educational Institution: Georgian Polytechnic Institute Postgraduate School  
Qualification: Candidate of Technical Sciences  
Date of grant: 1974-11-22  
Country: Georgia

Academic Degree: Master's/Equivalent to Master's  
Educational Institution: Georgian Polytechnic Institute  
Qualification: Engineer-Thermal Power Engineer  
Date of grant: 1966-01-08  
Country: Georgia

## Work Experience

Organization: Georgian Technical University  
Structural Unit: Faculty of Energy  
Position: Professor  
Date of commencement of work: 2021-10-02  
Date of completion of work: till today

Organization: Georgian Technical University  
Structural Unit: Faculty of Energy and Telecommunications  
Position: Professor  
Date of commencement of work: 2016-09-01  
Date of completion of work: 2021-10-02

Organization: Georgian Technical University  
Structural Unit: Faculty of Energy and Telecommunications  
Position: Associate Professor  
Date of commencement of work: 2009-09-01

Date of completion of work: 2016-09-01

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Organization: Georgian Technical University  
Structural Unit: Faculty of Energy and Telecommunications  
Position: Associate Professor  
Date of commencement of work: 1984-09-02  
Date of completion of work: 2009-09-01

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Organization: Georgian Polytechnic Institute  
Structural Unit: Faculty of Energy, Department of Thermal Physics  
Position: Head of Department  
Date of commencement of work: 1978-09-01  
Date of completion of work: 1984-09-01

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Organization: Georgian Polytechnic Institute  
Structural Unit: Department of Thermal Engineering  
Position: Associate Professor  
Date of commencement of work: 1977-09-01  
Date of completion of work: 1978-09-01

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Organization: Georgian Polytechnic Institute  
Structural Unit: Department of Thermal Engineering  
Position: Senior Teacher  
Date of commencement of work: 1975-09-01  
Date of completion of work: 1977-09-01

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Organization: Georgian Polytechnic Institute  
Structural Unit: Department of Thermal Engineering  
Position: Assistant  
Date of commencement of work: 1969-09-01  
Date of completion of work: 1975-09-01

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Organization: Georgian Polytechnic Institute  
Structural Unit: Department of Thermal Engineering  
Position: Contractual Engineer  
Date of commencement of work: 1968-09-02  
Date of completion of work: 1969-09-01

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Organization: Tbilisi Branch of the Scientific-Research Institute  
of Metrology of the USSR Academy of Sciences  
Structural Unit: Thermal Physics Laboratory Technical University  
Position: Senior Engineer  
Date of commencement of work: 1965-09-01  
Date of completion of work: 1968-09-02

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Organization:	Tbilisi Maud-Kamvol Enterprise
Structural Unit:	Boiler Shop
Position:	Fireman
Date of commencement of work:	1960-09-20
Date of completion of work:	1961-12-30

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## Qualification Raising

### Trainings

Organization:	: "Association for Scientists"
Subject:	Information Technologies in Science
Country:	Georgia
Date:	2022-04-04

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Organization:	Georgian Technical University
Subject:	Modern Energy Problems and Ways to Solve Them
Country:	Georgia
Date:	2021-10-07

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Organization:	Georgian Technical University
Subject:	Modern Energy Problems and Ways to Solve
Country:	Georgia
Date:	2020-07-10

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Organization:	Georgian Technical University
Subject:	Modern Energy Problems and Ways to Solve
Country:	Georgia
Date:	2019-07-11

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Organization:	Iowa State University and GTU Professional Development Center
Subject:	"Modern Methodologies of Teaching and Learning
Country:	Georgia
Date:	2015-12-15

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Organization:	Hertz Company
Subject:	Measuring and Control Devices
Country:	Georgia
Date:	2011-05-12

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Organization:	Iowa State University and GTU Professional Development Center
Subject:	General Course of Modern Teaching Technologies

Country: Georgia  
Date: 2009-02-16

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Organization: ENSI -International (Norway), GTU and Energy Efficiency Center  
Subject: Energy Audit of Buildings  
Country: Georgia  
Date: 2006-05-15

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Organization: Saratov Polytechnic Institute  
Subject: Qualification Improvement at the All-Union Conference-Seminar of Heads of Heat Engineering Departments of VTUZ-ov USSR  
Country: Russia  
Date: 1979-06-01

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Organization: Perugia Italian Language University for Foreigners  
Subject: Italian language study  
Country: Italy  
Date: 1975-09-20

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Organization: Tbilisi Pedagogical Institute of Foreign Languages  
Subject: Two-year course in English language study  
Country: Georgia  
Date: 1968-09-01

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Organization: Maud-Kamvol Combine  
Subject: Safe operation of boiler plants operating on solid, liquid and gaseous fuels  
Country: Georgia  
Date: 1960-09-20

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### Seminar

Organization: Hertz Company Technical University  
Subject: "Components of Modern Systems for Heating and Cooling Supply of Buildings  
Country: Georgia  
Date: 2014-06-16

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Organization: Georgian European Academy  
Subject: Modern Teaching Technologies in Higher Education Institutions  
Country: Georgia  
Date: 2013-09-16

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Organization: European Union  
Subject: "Rules for Storage and Testing of High Pressure Vessels  
Country: Georgia  
Date: 2012-06-18

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Organization: JSC "Sakorggaz" Training Center  
Subject: Safe Operation of Natural Gas Autogas Compressor Stations  
Country: Georgia  
Date: 2002-01-23

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Organization: Saratov Polytechnic Institute  
Subject: Advanced training at the All-Union conference-seminar of heads of departments of heat engineering of higher technical educational institutions of the USSR  
Country: Russia  
Date: 1979-06-01

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#### Training Course

Organization: Georgian Polytechnic Institute  
Subject: Computer Programs and Computing Equipment  
Country: Georgia  
Date: 1981-09-01

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Organization: Tbilisi Branch of the USSR Marxism-Leninism University  
Subject: Philosophical Foundations of Modern Natural Sciences - 2-Year Course  
Country: Georgia  
Date: 1978-09-01

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#### Internship

Organization: Technical University of Milan  
Subject: Scientific internship for one year  
Country: Italy  
Date: 1975-09-15

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### Projects & Grants

Name of the project/grant: Project "Heat-driven diaphragm pump for autonomous solar heating system: Development of a pre-production model"  
Position: Scientific Supervisor

Donor:	Shota Rustaveli National Science Foundation
Leader Organization:	Georgian Technical University
Start   End Date:	2015-04-29 - 2017-04-28
Name of the project/grant:	Development of a heat pipe solar hybrid thermal and electrical collector - Grant #5275
Position:	Scientific Supervisor
Donor:	Ukrainian Scientific and Technical Center with financial support from the USA
Leader Organization:	Georgian Technical University
Start   End Date:	2012-03-01 - 2014-02-28
Name of the project/grant:	"Geological characterization and study of caloric properties of natural outcrops of clay shales of the Kazbegi-Lagodexi tectonic zone - GTU internal grant project
Position:	Executor
Donor:	Georgian Technical University
Leader Organization:	Georgian Technical University
Start   End Date:	2010-09-15 - 2011-09-15
Name of the project/grant:	"Heat pipe solar collector: development, creation, research - Grant # AR/222/3-171/14
Position:	Responsible Executor
Donor:	Scientific and Technical Center of Ukraine with financial support from the USA
Leader Organization:	Georgian Technical University
Start   End Date:	2008-08-18 - 2010-08-17
Name of the project/grant:	"Ecologically Clean, New, Highly Efficient Technology for Processing Arsenic Sulfide Ore - Grant #105
Position:	Responsible Executor
Donor:	Scientific and Technical Center of Ukraine with US Financial Support
Leader Organization:	Georgian Technical University
Start   End Date:	2004-10-12 - 2007-10-11
Name of the project/grant:	Investigation of the Causes of Corruption in the Georgian Electric Power Industry and Development of Measures to Eliminate It
Position:	Responsible Executor
Donor:	USAID
Leader Organization:	Anti-Corruption Department under the Parliament of Georgia
Start   End Date:	1998-10-12 - 1999-12-10

## Scientific Productivity

### Scopus

Cited Index: 1

H Index: 1

### Google scholar

Cited Index: 10

H Index: 2

## Conference, Symposium, Award

- 2017-04-02 - 2nd Thermal and Fluid Engineers Conference (TFEC 2017). Las Vegas, NV; USA.
- 2019-10-07 - International Scientific and Technological Conference "Modern Problems of Power Engineering and Ways of Solving Them", Tbilisi.
- 2015-12-21 - SHC2015 International Conference on Solar Heating and Cooling for Buildings and Industry. Istanbul, Turkey
- 2009-10-17 - 9th WSEAS/IASME International Conference on Electric Power Systems, High Voltages, Electric Machines. Genova, Italy.
- 2008-09-22 - 5th int. conf. on materials and coatings in extreme conditions and environmentally friendly technologies for the production and disposal of products. Big Yalta. Ukraine.
- 2005-09-20 - 3 rd IASME/WSEAS Int. Conf. on Heat Transfer, Thermal Engineering and Environment. Corfu, Greece.
- 2018-10-25 - V International Scientific Conference `Energy: Regional Problems and Development Prospects, Kutaisi.
- 2017-10-28 - IV International Scientific Conference `Energy: Regional Problems and Development Prospects, Kutaisi.
- 2016-10-24 - III International Scientific Conference `Energy: Regional Problems and Development Prospects, Kutaisi.
- 2015-06-18 - II International Scientific Conference `Energy: Regional Problems and Development Prospects, Kutaisi.
- 2013-05-25 - I International Scientific Conference `Energy: Regional Problems and Development Prospects, Kutaisi.
- 2012-09-19 - Main Paradigms of the Development of Science and Technology in the 21st Century. Tbilisi
- 2011-05-30 - International Scientific Conference. Current Issues of Applied Physics. GTU, Tbilisi
- 2004-09-06 - International Scientific Conference ``Problems of Management and Energy', Tbilisi.
- 1998-09-14 - III Republican Scientific-Technical Conference on Energy Issues, Tbilisi.
- 1997-09-15 - 3 rd International Heat Pipe Seminar. Minsk, Belarus.
- 1996-11-18 - 5-th International Heat Pipes Symposium. Melburn, Australia
- 1995-05-15 - International Symposium Heat transfer Enhancement in Pover Machinery (HTERM, 95). Moskow, Russia.
- 1995-05-01 - IX International Heat Pipe Confer. Albuquerque, New Mexico.
- 1993-09-06 - International scientific-technical conference "Efficient use of energy", Tbilisi.

- 1990-06-12 - VIII All-Union scientific conference "Two-phase flow in energy machines and devices", Moscow.
- 1989-09-04 - Interuniversity scientific and methodological conference "Ideological education of students in the process of teaching general technical and special disciplines", Tbilisi.
- 1986-05-12 - Republican Conference of Professors and Teachers of Georgia, Tbilisi
- 1985-06-10 - V All-Union School-Seminar "Modern Problems of Gas Dynamics and Ways to Improve the Efficiency of Power Plants". Moscow.
- 1985-09-16 - VII All-Union Scientific and Technical Conference "Two-Phase Flow in Power Machines and Apparatuses", Moscow.
- 1984-05-21 - Republican Scientific and Technical Conference of Professors and Teachers of Higher Educational Institutions of the Georgian SSR, Tbilisi
- 1982-09-20 - All-Union Scientific and Technical Conference on Thermophysics and Hydrogas Dynamics of Boiling and Condensation Processes, Riga.
- 1982-06-14 - Methodological Meeting-Seminar of Professors and Teachers of the Georgian Polytechnic Institute, Tbilisi.
- 1981-06-15 - 23rd Scientific and Technical Conference of the Georgian Polytechnic Institute, Tbilisi.
- 1980-05-12 - XXII Republican Scientific and Technical Conference, Tbilisi.
- 1978-03-13 - XXII Scientific and Technical Conference of Technical Higher Educational Institutions and Industrial Workers of Georgia, Tbilisi.
- 1977-06-20 - XXI Scientific and Technical Conference of Higher Educational Institutions of the Republics of the Caucasus, Tbilisi
- 1976-05-10 - 20th Scientific and Technical Conference of the Georgian Polytechnic Institute, Tbilisi
- 1975-02-03 - 19th Scientific and Technical Conference of the Georgian Polytechnic Institute, Tbilisi.
- 1974-09-16 - 18th Scientific and Technical Conference of the Georgian Polytechnic Institute, Tbilisi.
- 1972-06-19 - 2nd Republican Scientific and Technical Conference on Metrology, Tbilisi.
- 1972-11-27 - 4th All-Union Conference on Heat and Mass Transfer, Minsk, Belarus
- 1971-06-21 - 16th Scientific and Technical Conference of Higher Education Institutions of the Republics of the Caucasus, Tbilisi
- 1971-02-08 - 15th Scientific and Technical Conference of the Georgian Polytechnic Institute, Tbilisi.
- 1960-06-29 - Gold Medal of the Graduate of the General Secondary School 1981-09-03 - Medal of the Council of Ministers of the USSR "Inventor of the USSR"
- 1973-12-25 - Badge of the Ministry of Higher Education of the Georgian SSR "Winner of the Socialist Competition of 1973"
- 2020-12-07 - II International Scientific and Technical Conference "Modern Problems of Energy and Ways to Solve Them", Tbilisi
- 2021-06-07 - III International Scientific and Technical Conference "Modern Problems of Energy and Ways to Solve Them", Tbilisi
- 1974-12-23 - 4th Republican Scientific Meeting-Seminar on Composite Materials Tbilisi
- 1973-06-25 - XVII Scientific and Technical Conference of Technical Universities of the Transcaucasus, Baku.



- 1973-11-19 - Republican Scientific and Technical Conference on Scientific Instrumentation, Kiev, Ukraine.
- 1972-05-22 - 16th Scientific and Technical Conference of the Georgian Polytechnic Institute, Tbilisi.

## Languages

- ქართული
- Russian
- English
- Italian

## Additional information

On February 4, 2011, I was elected a full member of the Georgian Energy Academy.

I love traveling in Georgia, I am interested in the history of Georgia,

I am attracted to poetry and even space.

I write poems.