

Evtikhi Machavariani

Personal Information

Name Surname: **Evtikhi Machavariani**
Date of Birth: 1943-03-02
Sex: Male
Citizenship: Georgian
Phone: 599205149
Email: ev.machavariani@gtu.ge



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

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

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

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

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

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

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

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

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

Qualification Raising

Trainings

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

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

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

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

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

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

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

Country: Georgia
Date: 2009-02-16

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

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

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

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

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

Seminar

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

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

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

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

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

Training Course

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

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

Internship

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

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
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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
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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
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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
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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
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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
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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 Power Machinery (HTERM, 95). Moscow, 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.