

Gela Goderdzishvili

Personal Information

Name Surname: **Gela Goderdzishvili**
Date of Birth: 1949-02-16
Sex: Male
Citizenship: Georgian
Phone: 599469550
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Education

Academic Degree: Ph.D./Equivalent to Ph.D
Educational Institution: Georgian Technical University
Qualification: 01.04.10 - Physics of semiconductors and dielectrics; 01.04.01 - Technique of physical experiments, physics of instruments, automation of physical investigations
Date of grant: 1999-09-14
Country: Georgia

Academic Degree: Master's/Equivalent to Master's
Educational Institution: Iv. Javakhishvili Tbilisi State University, Faculty of Physics
Qualification: Specialty: Solid State Physics, Physicist
Qualification, Diploma Я №172728
Date of grant: 1973-06-30
Country: Georgia

Work Experience

Organization: Faculty of Informatics and Control Systems, Georgian Technical University
Structural Unit: Microelectronics Scientific and Engineering Center
Position: Associate Professor
Date of commencement of work: 2006-09-03
Date of completion of work: 2012-09-25

Organization: Faculty of Informatics and Control Systems, Georgian Technical University
Structural Unit: Microelectronics Scientific and Engineering Center
Position: Senior Research Fellow
Date of commencement of work: 1989-05-10

Date of completion of work: 2012-09-25

Organization: Georgian Technical University
Structural Unit: Microelectronics Scientific and Engineering Center
Position: Docent
Date of commencement of work: 1989-05-10
Date of completion of work: 2006-06-25

Organization: Scientific Research Institute of Automated Systems "Skhivi"
Structural Unit: Optoelectronics Laboratory
Position: Sector Head
Date of commencement of work: 1986-12-15
Date of completion of work: 1986-12-14

Organization: Scientific Research Institute "Mioni"
Structural Unit: Optoelectronics Department
Position: In different years: Senior Technician; Engineer; Junior Researcher; Senior Researcher; Laboratory Head
Date of commencement of work: 1967-01-25
Date of completion of work: 1986-12-14

Qualification Raising

Trainings

Organization: "Science, Education, Innovation: Testing research results"
Subject: International Workshop on Functional and Nanostructured Materials
Country: Georgia
Date: 2016-09-10

Organization: Georgian Technical University
Subject: National Instruments master classes.
Country: Georgia
Date: 2016-05-18

Organization: Georgian Innovation and Technology Agency
Subject: "Georgian Innovations and Inventions for Business" Exhibition
Country: Georgia
Date: 2015-05-12

Organization:	Georgian Technical University
Subject:	International School of Nanophotonics and Photovoltaics, August 28
Country:	Georgia
Date:	2014-09-03
Organization:	Summer School organized within the framework of (EPC)
Subject:	The EU project SECURE-R2I aims to strengthen cooperation between Eastern Partnership countries
Country:	Estonia, Tallinn
Date:	2013-06-10
Organization:	Georgian Technical University Professional Development Center,
Subject:	"General Course in Modern Teaching Methods"
Country:	Georgia
Date:	2009-03-05

Seminar

Organization:	"Science, Education, Innovation: Testing research resultats"
Subject:	International Scientific and Practical Conference «Science, Education, Innovation: Testing Results»
Country:	Prague, Czech Republic
Date:	2017-02-08

Projects & Grants

Name of the project/grant:	Project #CIF -2-2024-03 "Joint development and implementation of engineering educational programs using remote laboratories"
Position:	Researcher
Donor:	Competitive Innovation Fund (CIF)
Leader Organization:	Georgian Technical University
Start End Date:	2024-11-11 - 2025-11-25
Name of the project/grant:	Project SP-22-316 "Silicon from mountain rocks to electronics"
Position:	Main performer
Donor:	Georgian National Science Foundation Project SP-22-316
Leader Organization:	P. Tavadze Institute of Metallurgy
Start End Date:	2022-11-30 - 2026-06-30

Name of the project/grant: Project #609534 Strengthening cooperation with Eastern Partnership countries between inclusive and protected societies in the field of science and innovation
Position: Researcher
Donor: European Union FP7-INCO-2013-9
Leader Organization: Georgian Technical University
Start | End Date: 2013-01-01 - 2016-12-31

Name of the project/grant: Project #P467, "Processing of SiGe-based Photoelectric and Optoelectronic Devices".
Position: Main performer
Donor: Ukrainian International Scientific and Technical Center
Leader Organization: Sokhumi Ilia Vekua Institute of Physics and Technology
Start | End Date: 2011-07-01 - 2013-12-31

Name of the project/grant: Project # 294299, Strengthening ties between the Georgian Technical University and the European Research Area in the field of sensor research
Position: Researcher
Donor: European Union FP7-INCO-2011-6
Leader Organization: Georgian Technical University
Start | End Date: 2011-01-01 - 2013-12-31

Name of the project/grant: Project #25, "Design and pilot model of a small-scale solar photovoltaic system"
Position: Scientific Director
Donor: Georgian Technical University
Leader Organization: Georgian Technical University
Start | End Date: 2010-02-01 - 2010-10-31

Name of the project/grant: Project #3997 - ".Processing and research of bulk semiconductor crystals and epitaxial structures based on Si-Ge alloys."
Position: Main performer
Donor: Ukrainian International Scientific and Technical Center
Leader Organization: Sokhumi Ilia Vekua Institute of Physics and Technology
Start | End Date: 2008-01-01 - 2010-12-31

Name of the project/grant: Project # 076, "Development of isoplanar technology based on semiconductor heterostructures and obtaining integral radiating elements for the creation of promising optoelectronic devices"
Position: Main performer

Donor:	Sh. Rustaveli Georgian National Science Foundation
Leader Organization:	Georgian Technical University
Start End Date:	2006-10-15 - 2009-10-15

Name of the project/grant:	Project (INTAS-96-1887) "Photovoltaic installations with solar radiation concentrators"
Position:	Researcher
Donor:	(INTAS-96-1887)
Leader Organization:	Saint Petersburg Physical-Technical Institute named after A. F. Ioffe
Start End Date:	1998-01-01 - 2000-12-31

Scientific Productivity

[Google scholar](#)

Cited Index: 14,00

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Conference, Symposium, Award

- 2018-12-03 - 1. Radon in natural water sources in the territory of kartli artesian (Georgia) - L. Mtsariashvili, N. Kekelide, G. Goderdzishvili, E. Tulashvili, T. Jakhutashvili - 18th International Multidisciplinary Scientific GeoConference SGEM2018, Vienna, Austria
- 2018-10-25 - 2. SCADA Systems Training and Research Laboratory Stand - Imnaishvili L., Bedineishvili M., Goderdzishvili G. - V International Scientific Conference, Energy: Regional Problems and Development Prospects. October 25-26, 2018, Kutaisi, Georgia.
- 2018-04-19 - 3. Creation of a new laboratory training stand for studying SCADA systems - Imnaishvili L. Sh., Bedineishvili M. M., Goderdzishvili G. I., Iashvili N. G. - III International Scientific and Practical Conference, Krapovitsa
- 2018-02-12 - 4. Soil Radon in the Tbilisi Area - Lela Mtsariashvili, Nodar Kekelidze, Gela Goderdzishvili, Teimuraz Jakhutashvili, Eremia Tulashvili - Tbilisi State University, Sixth Annual Faculty Conference in Exact and Natural Sciences
- 2017-08-04 - 5. Possession of concentrated solar radiation PV modules on the basis of AlGaAs-GaAs heterostructures - I. Trapaidze, G. Goderdzishvili, R. Chikovani, L. Trapaidze - ACCGE-21 OMVPE-18 Santa Fe, New Mexico, USA
- 2015-11-02 - 6. Nuclear Radiation Nanosensors and nanosensory Systems - Paata Kervalishvili, Tamar berberashvili, Lali Chakhvashvili, Gela Goderdzishvili - "2015 NanoCon (NanoTech) ISTC-Korea Conference", Seoul
- 2015-09-20 - 7. The Prospects of Development of Photoelectric Convertors by Using Solar Energy in Georgia - Gettering and Defect Engineering in Semiconductor Technology 2015 - 30 Years of GADEST, , Bad Staffelstein, Germany.
- 2015-06-01 - 8. Nuclear Radiation Nanosensors and Nanosensory Systems - T. Berberashvili, L. Chakhvashvili, P. Kervalishvili, G. Goderdzishvili - Ener21 and SECURE R2I Workshop on Energy, Innovation and Security in Georgia
- 2014-04-02 - 9. Photo electric converters (Photovoltaic) and the solar energy power systems - G. Goderdzishvili, I. Trapaidze, R. Chikovani, T. Minashvili - DPG Spring Meeting (Deutsche

Physikalische Gesellschaft), Dresden, Germany

- 2013-09-05 - 10. Usage of Low-power Offgrid Solar Photovoltaic Systems in High Mountainous Regions - K. Kobaxidze, L. Kobaxidze, R. Chikovani, G. Goderdzishvili, I. Trapaidze - VI International School of Nanophotonics and Photovoltaics (ISNP); - Maratea (PZ), Italy
- 2013-09-04 - 11. Prospects of Solar energy in Georgia - G. Goderdzishvili, I. Trapaidze, R. Chikovani - VI International School of Nanophotonics and Photovoltaics (ISNP); - Maratea (PZ), Italy.
- 2013-06-06 - 12. PSO Based Approach to Robot Swarm Control - Badri Mefarishvili, Petre Petashvili, Gela Goderdzishvili - The International Scientific Conference "Nanosensory Systems and Nanomaterials". Tbilisi, Georgia
- 2013-06-06 - 13. Distribution Management and Logistics Services Based on Swarm Behavior Modeling - Badri Mefarishvili, Gulnara Janelidze Gela Goderdzishvili. - The International Scientific Conference "Nanosensory Systems and Nanomaterials". Tbilisi, Georgia

Languages

- Georgian
- English
- Russian

Additional information

Order of Honor No. 07166, June 21, 2013

Academician of the Department of Informatics, Control Processes and Nanotechnologies of the Georgian Creative Union of the Georgian Engineering Academy; from March 8, 2019 to the present.

Corresponding member of the Department of Informatics, Control Processes and Nanotechnologies of the Georgian Creative Union of the Georgian Engineering Academy; from 2011 to March 2019.

Scientific and pedagogical rank of associate professor, associate professor certificate No. 001213; 15.10.2004.

Member of the Sectoral Commission for Educational and Scientific Literature No. 2 of the Faculty of Informatics and Control Systems of the Georgian Technical University.

SPIE (International Society of Opticians) - Member of the Society. Since 2006.

In 2004-2006, the learned secretary of the Ph.m.01.27№7 Dissertation Council.

Currently, a member of the Collegium of the Dissertation Council of the Faculty. Since 2009.

In different years, I was the head, deputy head and responsible executor of a number of scientific-research and design works. 1967-1986.

International Scientific Conference "Current Issues of Applied Physics", Organizing

Committee. 2011, Tbilisi

International Workshop, "Novel Sensors for Nuclear Radiation Measurement", Organizing and Program Committee. 2012, Tbilisi, Georgia.

Scientific Conference "Functional and Nanostructured Materials", International Organizing Committee. 2016. September 6-10, Tbilisi