

# Grigol Khelidze

## Personal Information

Name Surname: **Grigol Khelidze**  
Date of Birth: 1956-09-14  
Sex: Male  
Citizenship: Georgian  
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## Education

Academic Degree: Ph.D./Equivalent to Ph.D  
Educational Institution: Scientific Research Institute of Energy of Georgia  
Qualification: Doctor of Technical Sciences  
Date of grant: 1998-05-15  
Country: Georgia

Academic Degree: Ph.D./Equivalent to Ph.D  
Educational Institution: Scientific Research Institute of Energy and Hydrotechnical Structures of Georgia  
Qualification: candidate of technical sciences  
Date of grant: 1985-05-31  
Country: Georgia

Academic Degree: Master's/Equivalent to Master's  
Educational Institution: Scientific Research Institute of Energy and Hydrotechnical Structures of Georgia  
Qualification: postgraduate studies  
Date of grant: 1983-07-01  
Country: Georgia

Academic Degree: Master's/Equivalent to Master's  
Educational Institution: Polytechnic Institute of Georgia  
Qualification: Engineer - hydraulic technician  
Date of grant: 1978-07-01  
Country: Georgia

## Work Experience

Organization: Georgian Technical University  
Structural Unit: Faculty of Power Engineering, Department of Hydropower and Main Pipeline Systems

Position: Professor, Head of the department  
Date of commencement of work: 2021-10-01  
Date of completion of work: till today

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Organization: Georgian Technical University  
Structural Unit: Faculty of Power Engineering and Telecommunication. Department of Hydropower and Main Pipeline Systems  
Position: Professor  
Date of commencement of work: 1999-09-01  
Date of completion of work: 2021-09-30

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Organization: Scientific Research Institute of Energy and Energy Facilities of Georgia.  
Structural Unit: Department of hydraulics and hydroelectricity of buildings  
Position: Junior Researcher Senior Researcher The learned Secretary of the Institute Deputy director in the scientific field  
Date of commencement of work: 1981-01-04  
Date of completion of work: 2011-05-12

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Organization: Project Institute "Tbil Hydro Project".  
Structural Unit: Hydro technical department  
Position: Engineer  
Date of commencement of work: 1978-10-01  
Date of completion of work: 1980-12-31

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## Qualification Raising

### Trainings

Organization: iPresas Risk Analysis, GNCOLD  
Subject: Dam Risk Analysis  
Country: Georgia  
Date: 2023-11-08

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Organization: GTU  
Subject: Iowa State University (USA), Center for Successful Teaching and Learning, Georgia Techni-cal University Center for Academic and Teacher Staff Development  
Country: Georgia  
Date: 2023-05-24

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Organization: Association for Science

Subject: Training course: "Information technologies in science"  
Country: Georgia  
Date: 2022-05-18

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Organization: GTU. Training courses. I International Scientific and Technical Conference  
Subject: Training course: "Modern problems of power engineering and ways to solving them"  
Country: Georgia  
Date: 2019-10-11

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Organization: Professional Development Center of Technical University of Georgia, Iowa State University (USA)  
Subject: Training course: "Learning outcomes and assessment"  
Country: Georgia  
Date: 2016-02-12

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Organization: International Center for the Development of Research Technologies and Innovations  
Subject: Training course: "Innovation and Knowledge Support Course"  
Country: Georgia  
Date: 2014-11-20

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Organization: GTU  
Subject: Training course: "Preparation of strategic planning of sustainable cities"  
Country: Georgia  
Date: 2013-05-14

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Organization: Technical University of Georgia, Tbilisi, Georgia  
Subject: Training course: "Hertz laboratory standards, heating-cooling and hot water supply equipment"  
Country: Georgia  
Date: 2013-00-00

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Organization: Professional Development Center of Technical University of Georgia, Iowa State University (USA)  
Subject: Training course: "General course of modern teaching methodologies"  
Country: Georgia  
Date: 2009-12-03

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## Projects & Grants

Name of the project/grant: Expert report on the administrative violation protocol drawn up by the authorized person of the Adjara and Guria Regional Division of the Environmental Supervision Department against  
Position: Main executor  
Donor: "Bakhvi Hydro Power" LLC  
Leader Organization: --  
Start | End Date: 2024-01-20 - 2024-02-28

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Name of the project/grant: Conclusion on the determination of the technical condition and installed capacity of the electrical and hydropower equipment of "Pantani HPP" belonging to "Global Energy" LLC.  
Position: Main executor  
Donor: "Global Energy" LLC.  
Leader Organization: --  
Start | End Date: 2023-01-05 - 2023-02-20

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Name of the project/grant: Conclusion "Hesi Md." owned by "Energetiky" LLC. "On determining the technical stability and installed capacity of electrotechnical and hydropower facilities" on Faravan  
Position: Main executor  
Donor: "Energetiky" LLC  
Leader Organization: --  
Start | End Date: 2022-11-15 - 2022-12-20

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Name of the project/grant: "Determining the mechanisms and regularities of formation of large landslides and landslides in seismically active and near-glacier zones".  
Position: Manager  
Donor: Shota Rustaveli National Science Foundation grant.  
Leader Organization: -  
Start | End Date: 2018-01-01 - 2018-06-15

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Name of the project/grant: NOTES ON TECHNICAL REPORT " KHELEDULA 3 HPP PROJECT. HYDRAULIC STUDIES REPORT. HYDRO DESIGN Engineering Consultancy Construction & Trade Inc. Document Number - 15625-FSR-003; Rev02"  
Position: Main executor  
Donor: -  
Leader Organization: -  
Start | End Date: 2017-07-01 - 2017-08-15

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Name of the project/grant: "Handbook of small hydroelectric power plants of Georgia"  
Position: Main executor

Donor: The grant from the A(a)IP "Georgian Energy Development Promotion Fund"  
Leader Organization: --  
Start | End Date: 2017-01-01 - 2018-12-31

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Name of the project/grant: Development of water cost measurement methodology and water cost measurement at Bakhvi 3 HPP  
Position: Main executor  
Donor: "Bakhvi Hydro Power" LLC  
Leader Organization: --  
Start | End Date: 2016-11-01 - 2016-12-31

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Name of the project/grant: Development of water cost measurement methodology and water cost measurement at Lopota HPP  
Position: Main executor  
Donor: LTD Lopota HPP  
Leader Organization: --  
Start | End Date: 2016-07-01 - 2016-10-01

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Name of the project/grant: "Creation of an educational-scientific laboratory stand (mini hydro turbine unit)"  
Position: Main executor  
Donor: The grant from the A(a)IP "Georgian Energy Development Promotion Fund"  
Leader Organization: -  
Start | End Date: 2016-03-01 - 2016-12-31

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Name of the project/grant: On the possibility of increasing the capacity of Dashbash HPP  
Position: Main executor  
Donor: Dashbash HPP  
Leader Organization: --  
Start | End Date: 2015-04-01 - 2015-05-15

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Name of the project/grant: Investigation and determination of the reasons for failure of Francis type hydroturbines of Investigation and determination of the reasons for failure of Francis type hydroturbines of Racha HPP  
Position: Main executor  
Donor: International Energy Corporation of Georgia  
Leader Organization: --  
Start | End Date: 2014-09-01 - 2014-10-01

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Name of the project/grant: Audit report on the technical condition of facilities and equipment of Faravan HPP

Position: Main executor  
Donor: Urban energy LLC  
Leader Organization: --  
Start | End Date: 2014-08-15 - 2014-09-15

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Name of the project/grant: Environmental impact assessment report of Zhinvali hydroelectric plant  
Position: Main executor  
Donor: GWP  
Leader Organization: --  
Start | End Date: 2014-07-01 - 2014-08-31

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Name of the project/grant: Environmental impact assessment report of Tetrikhevi HPP  
Position: Main executor  
Donor: Tetrikhevi HPP  
Leader Organization: --  
Start | End Date: 2014-07-01 - 2014-08-31

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Name of the project/grant: river Preliminary technical and economic study of the construction of a small hydroelectric power station on Gujarat water  
Position: Main executor  
Donor: Gujarati HPP  
Leader Organization: --  
Start | End Date: 2014-03-15 - 2014-06-15

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Name of the project/grant: Specifying the hydraulic characteristics of the pressure basin of the Bakhvi-3 HPP pressure basin, spillway tract and water intake  
Position: Main executor  
Donor: LTD Bakhvi3 HPP  
Leader Organization: --  
Start | End Date: 2014-02-15 - 2014-04-15

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Name of the project/grant: Notes regarding the feasibility stage of the Khudoni HPP project  
Position: Main executor  
Donor: Khudoni HPP administration  
Leader Organization: --  
Start | End Date: 2014-02-15 - 2014-03-30

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Name of the project/grant: Development of an audit report on the actual technical condition of hydrotechnical structures and mechanical devices of Racha HPP and Riceula HPP  
Position: Main executor

Donor: International Energy Corporation of Georgia  
Leader Organization: --  
Start | End Date: 2013-07-01 - 2013-08-01

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Name of the project/grant: Compilation of the attestation questionnaire for the operational personnel of the energy facilities of the International Energy Corporation of Georgia  
Position: Main executor  
Donor: International Energy Corporation of Georgia  
Leader Organization: --  
Start | End Date: 2012-09-15 - 2012-11-15

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Name of the project/grant: The prediction of flooding of the Khudonhesi reservoir, taking into account the results of the instrumental measurements carried out in the Engurhesi reservoir  
Position: Main executor  
Donor: Khudoni HPP administration  
Leader Organization: --  
Start | End Date: 2012-04-20 - 2012-06-20

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Name of the project/grant: Development of an audit report on the actual technical condition of Tirifonhes mechanical devices  
Position: Main executor  
Donor: International Energy Corporation of Georgia  
Leader Organization: --  
Start | End Date: 2012-03-01 - 2012-03-25

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Name of the project/grant: Hydraulic and hydropower calculations of Mleta HPP  
Position: Main executor  
Donor: GWP  
Leader Organization: --  
Start | End Date: 2012-01-15 - 2012-03-25

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Name of the project/grant: Development of an audit report on the conformity of the existing technical documentation on Khramhes-1 and Khramhes-2 with the requirements of the "Rules for Operation of Power Plants and Transmission Lines"  
Position: Main executor  
Donor: Khrami HPP  
Leader Organization: --  
Start | End Date: 2011-09-20 - 2011-10-30

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Name of the project/grant: Reconstruction project of surface spillway slab of Jinalhesi  
Position: Main executor  
Donor: GWP  
Leader Organization: --  
Start | End Date: 2011-05-20 - 2011-07-25

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Name of the project/grant: Development of an audit report on the actual technical condition of the hydrotechnical facilities and mechanical devices of Zhinvalhesi  
Position: Main executor  
Donor: GWP  
Leader Organization: --  
Start | End Date: 2010-08-15 - 2010-09-30

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Name of the project/grant: Investigating issues of safe and efficient operation of high-dam hydropower plants and developing a monitoring system  
Position: Main executor  
Donor: The grant of USAID  
Leader Organization: --  
Start | End Date: 2010-07-01 - 2010-11-15

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Name of the project/grant: Development of an audit report on the actual technical condition of hydrotechnical structures and mechanical devices of Khadorhesi  
Position: Main executor  
Donor: Khadori LLC  
Leader Organization: --  
Start | End Date: 2010-06-10 - 2010-07-30

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Name of the project/grant: Determining the technical hydropower potential of the rivers of the northwestern region of the Republic of Azerbaijan  
Position: Main executor  
Donor: Buta Enerji Sistemlərinin İnkişafı MMC ((Baku, Azerbaijan))  
Leader Organization: --  
Start | End Date: 2008-10-01 - 2009-03-30

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Name of the project/grant: Development of Micro Sioni HPP project  
Position: Main executor  
Donor: Sioni HPP  
Leader Organization: --  
Start | End Date: 2008-05-20 - 2008-09-25

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Name of the project/grant:	"Hydraulic calculation of spillway and water intake tracts of Nama-khvani HPP cascade (Tvishi HPP Namakhvan HPP, Zhoneti HPP), as well as bed washing of the lower basin".
Position:	Manager
Donor:	Ministry of Energy of Georgia
Leader Organization:	--
Start   End Date:	2007-01-01 - 2008-04-01

## Scientific Productivity

[Google scholar](#)

Cited Index: 3

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## Conference, Symposium, Award

- 2000-00-00 - International scientific conference "On hydraulics and hydropower issues of sedimentary processes, pipeline transport and hydrotechnical structures". GTU
- 2002-00-00 - International Symposium "Problems of reliability and safety of water-conducting structures"
- 2006-00-00 - 13th International Conference "Transportation of Mixtures with Solid Components"
- 2002-00-00 - International Scientific Engineering Conference "Latest Technologies-XXI". Energy Section, Tbilisi
- 2004-00-00 - Geodynamic studies of large dams at the International Symposium "Geodynamic Risk for High Dams" Tbilisi
- 2010-00-00 - International Scientific Conference "Energy: Regional Problems and Development Prospects". Kutaisi Ak. Tsereteli State University.
- 2010-00-00 - International Scientific Conference "Environmental Protection and Sustainable Development". GTU.
- 2013-00-00 - II International Scientific Conference "Energy: Regional Problems and Development Prospects". Kutaisi Ak. Tsereteli State University.
- 2015-00-00 - III International Scientific Conference "Sustainable Energy: Challenges and Development Prospects". Kutaisi Ak. Tsereteli State University
- 2016-00-00 - IV International Scientific Conference "Energy: Regional Problems and Development Prospects", Kutaisi.
- 2018-00-00 - GTU AND UNIFG 1ST JOINT R&D INTERNATIONAL CONFERENCE - „ DYNAMICS AND RECENT TRENDS OF VARY INDUSTRIES IN EU AND GEORGIA: ICTS ADOP-TION IN SUPPLY CHAIN MANAGEMENT“
- 2019-00-00 - III international scientific conference "Globalization and modern challenges of business". GTU.
- 2021-00-00 - XXV International Scientific and Practical Conference International Trends in Science and Technology
- 2022-00-00 - 5TH INTERNATIONAL CONFERENCE ON INNOVATIVE STUDIES OF CONTEMPORARY SCIENCES. TOKYO SUMMIT-V.

- 2003-00-00 - Medal of Honor - Certificate No. 01988
- 2023-00-00 - Honorary diploma - No. 220
- 2023-11-08 - Georgian National Committee on Large Dams Annual Conference "Dams and Hydro power: Adapting for a Changing World", Tbilisi, Georgia

## Languages

- Georgian
- Russian
- English

## Additional information

- Member of the Georgian National Committee of the International Committee on Large Dams (ICOLD);
- Member of the Presidium of the Energy Academy of Georgia;
- Member-correspondent of the Engineering Academy of Georgia.