

Levan Chkhartishvili

Personal Information

Name Surname: **Levan Chkhartishvili**
Date of Birth: 1957-06-13
Sex: Male
Citizenship: Georgian
Phone: 599340736
Email: levanchkhartishvili@gtu.ge



Education

Academic Degree: Ph.D./Equivalent to Ph.D
Educational Institution: Ivane Javakhishvili Tbilisi State University
Qualification: Doctor of Sciences in Physics and Mathematics
Date of grant: 2006-04-20
Country: Georgia

Academic Degree: Ph.D./Equivalent to Ph.D
Educational Institution: Ivane Javakhishvili Tbilisi State University
Qualification: Candidate of Sciences in Physics and Mathematics
Date of grant: 1989-05-04
Country: Georgia

Academic Degree: Master's/Equivalent to Master's
Educational Institution: Ivane Javakhishvili Tbilisi State University
Qualification: Physicist / Physics Teacher
Date of grant: 1980-06-26
Country: Georgia

Work Experience

Organization: Ilia State University
Structural Unit: Faculty Physics and Mathematics
Position: Associate Professor
Date of commencement of work: 2008-04-05
Date of completion of work: 2010-04-01

Organization: "Liquid Light" Inc. Labs
Structural Unit: Gerasimov Research Laboratory
Position: Researcher
Date of commencement of work: 2008-03-10

Date of completion of work: 2009-03-02

Organization: Ferdinand Tavadze Metallurgy and Materials
Science Institute
Structural Unit: Semiconducting and Composite Materials
Laboratory
Position: Senior Scientist / Senior Engineer / Scientist
Date of commencement of work: 2006-10-04
Date of completion of work: till today

Organization: "IChTEU" Ltd
Structural Unit: Faculty of Information Technologies
Position: Professor / Associate Professor
Date of commencement of work: 2005-09-01
Date of completion of work: 2009-09-01

Organization: State Department of Hydrometeorology of Georgia
Structural Unit: National Program of Climate Change Research of
Georgia
Position: Expert
Date of commencement of work: 1995-10-16
Date of completion of work: 1996-12-31

Organization: Georgian Technical University
Structural Unit: Department of Engineering Physics
Position: Professor / Associate Professor / Researcher /
Senior Scientist / Assistant
Date of commencement of work: 1992-09-24
Date of completion of work: till today

Organization: Ivane Javakhishvili Tbilisi State University
Structural Unit: Preparation Courses for Entrants
Position: Lecturer
Date of commencement of work: 1992-09-01
Date of completion of work: 1993-09-01

Organization: Scientific-Industrial Association "Mion"
Structural Unit: Group for Gallium Arsenide Integrated Circuits
Position: Junior Scientist / Engineer
Date of commencement of work: 1980-10-02
Date of completion of work: 1992-06-27

Qualification Raising

Trainings

Organization:	Iowa State University
Subject:	General Course of Modern Teaching Methodologies
Country:	Georgia
Date:	2009-01-20

Projects & Grants

Name of the project/grant:	7th International Conference "Nanotechnology", 2024 October 7 - 11, Tbilisi, Georgia (GTU nano 2024)
Position:	Investigator
Donor:	Shota Rustaveli National Science Foundation of Georgia
Leader Organization:	Georgian Technical University
Start End Date:	2023-11-12 - 2024-11-12

Name of the project/grant:	Development of Boron-Containing Complex Ligature for Multifunctional Alloys on the Basis of Steelmaking Waste by High-Temperature Synthesis and Metallurgical Methods
Position:	Principal Investigator
Donor:	Shota Rustaveli National Science Foundation of Georgia
Leader Organization:	Ferdinand Tavadze Metallurgy and Materials Science Institute
Start End Date:	2022-12-29 - 2024-12-29

Name of the project/grant:	Obtaining and Structural-Morphological Characterization of Nanopowder Boron Compounds Doped with Ferromagnetic Clusters
Position:	PhD Student's Supervisor
Donor:	Shota Rustaveli National Science Foundation of Georgia
Leader Organization:	Georgian Technical University
Start End Date:	2022-10-20 - 2023-10-20

Name of the project/grant:	Synthesis and Study of Wide Band Gap Semiconductor Nanomaterials for Applications in Ultraviolet Photodetectors
Position:	Young Scientist's Mentor
Donor:	Shota Rustaveli National Science Foundation of Georgia
Leader Organization:	Georgian Technical University
Start End Date:	2019-12-10 - 2021-12-10

Name of the project/grant: Obtaining of Boron Carbide-Based Nanostructured Heterophase Ceramic Materials and Products with Improved Performance Characteristics
Position: Principal Investigator
Donor: Shota Rustaveli National Science Foundation of Georgia
Leader Organization: Ferdinand Tavadze Metallurgy and Materials Science Institute
Start | End Date: 2018-12-19 - 2021-12-19

Name of the project/grant: Development of New Technologies for Growth of Nanowires and Fabrication of Ultra-Sensitive Gas Sensors
Position: Investigator
Donor: Science and Technology Center in Ukraine
Leader Organization: Georgian Technical University
Start | End Date: 2016-12-19 - 2018-05-31

Name of the project/grant: 3rd International Conference "Nanotechnologies" (Nano-2014)
Position: Investigator
Donor: Shota Rustaveli National Science Foundation of Georgia
Leader Organization: Georgian Technical University
Start | End Date: 2014-06-06 - 2014-12-31

Name of the project/grant: Determination of Nature of Dependency of Nanoparticles' Properties on Their Sizes
Position: Investigator
Donor: Georgian Technical University
Leader Organization: Georgian Technical University
Start | End Date: 2011-05-02 - 2012-05-02

Name of the project/grant: Geometry of Boron Nitride Nanostructures
Position: Principal Investigator / Project Manager
Donor: Georgian National Science Foundation
Leader Organization: Georgian Technical University
Start | End Date: 2009-03-01 - 2010-02-28

Name of the project/grant: Investigation of Processes of Obtaining and Properties of Boron-, B₄C- and BN-Based Functional Materials
Position: Investigator
Donor: Ferdinand Tavadze Metallurgy and Materials Science Institute
Leader Organization: Ferdinand Tavadze Metallurgy and Materials Science Institute
Start | End Date: 2001-01-03 - 2001-09-28

Name of the project/grant:	Development of Dynamic Model of Regional Climate Change
Position:	Investigator
Donor:	State Department of Hydrometeorology of Georgia
Leader Organization:	National Program of Climate Change Research of Georgia
Start End Date:	1995-05-22 - 1996-05-22

Scientific Productivity

Scopus

Cited Index: 286

H Index: 10

Web of science

Cited Index: 136

H Index: 7

Google scholar

Cited Index: 1212

H Index: 17

Leadership of educational programs

L. Chkhartishvili is the Head of the PhD Educational Program “Engineering Physics”.

Conference, Symposium, Award

- 2016-11-10 - Certificate of Honor for Scientific Achievements in the Field of Nanotechnologies - Georgian National Academy of Sciences
- 2011-06-13 - Albert Einstein Award of Excellence for Demonstrating Effectiveness and Distinction in Field of Physics - American Biographical Institute (ABI)
- 2024-02-23 - Since 1983, Levan Chkhartishvili has participated in 106 scientific forums. Their list is given in the Additional Information.

Languages

- Georgian
- Russian
- English

Additional information

L. Chkhartishvili is a member of the following scientific societies:

- Georgian Physical Society (GPS) – Member
- Georgian Health Physics Association (GHPA – Chapter of the U.S. Health Physics Society) – Member
- Register of Scientific Experts of Georgia – Scientific Expert
- Euro Science (ES) – Member
- American Chemical Society (ACS) – Member
- Athens Institute for Education and Research (ATINER) – Academic Member

L. Chkhartishvili is a (co)editor of the following scientific collections:

- Abstracts of 5th (2018), 4th (2016), 3rd (2014), 2nd (2012) International Conferences “Nanotechnologies”, Tbilisi, Technical University – Co-Editor
- Proceedings of 2nd International Conference on Modern Technologies & Methods of Inorganic Materials Science, 2015, Tbilisi, Sachino – Co-Editor
- Proceedings of 1st International Conference on Modern Technologies & Methods of Inorganic Materials Science. 2012, Tbilisi, Meridian – Co-Editor
- Boron Based Solids (Series: Solid State Chemistry), 2011, Trivandrum, Research Signpost – Editor

L. Chkhartishvili is (was) an Editor / Editorial Board Member of more than 20 scientific journals, including:

- American Journal of Nano Research and Applications (Special Issue: “Nanotechnologies”) – Lead Guest Editor
- Caucasus Abstracts Journal of Nanoscience and Nanotechnology – Co-Editor-in-Chief
- Condensed Matter (Special Issue: Advances in Nanocomposite Materials) *Scopus* – Guest Academic Editor
- Eureka: Physics and Engineering *Scopus* – Editorial Board Member
- European Chemical Bulletin *Scopus* – Editorial Board Member
- Heliyon *Scopus* – Editorial Board Member
- IgMin Research STEM – Editor in areas of Computational Chemistry, Nanotechnology and Quantum Chemistry
- Journal of Recent Advances in Nanomedicine and Nanotechnology – Honorable Editor
- Karbala International Journal of Modern Sciences *Scopus* – Advisory Board Member
- Nano Studies – Founder Editor and Publisher

- Open Physics (Special Issue: Functional Advanced and Nanomaterials) *Scopus* – Guest Editor

L. Chkhartishvili is a Reviewer of a number of books, collections, text-books, scientific journals and PhD Dissertations, in particular, Dissertations of the following 13 Authors: K. Kapanadze (2023), G. Skhiladze (2023), H. Bakhtiari (2022), I. Giorgadze (2022), G. Kapanadze (2022), M. Kelenjeridze (2022), Z. Taliashvili (2022), T. Khechiashvili (2020), V. Khutsishvili (2020), V. Tvaliashvili (2019), E. Iordanishvili (2018), N. Kobalia (2018), G. Chubinidze (2013).

L. Chkhartishvili has received the Industry Gateway Certificate (2011).

L. Chkhartishvili received 6 Patents for inventions:

- Natl. Center Intell. Prop. Georgia “Geo Patent” Patent # GEP20186709B 4 (2018 October 11)
- Natl. Center Intell. Prop. Georgia “Geo Patent” Patent # P6094 (2014 May 28)
- Natl. Center Intell. Prop. Georgia “Geo Patent” Patent # P1325 (1998 January 31)
- USSR State Comm. Inven. Discov. Certificate # 1455953 (1988 October 1)
- USSR State Comm. Inven. Discov. Certificate # 1336862 (1987 May 8)
- USSR State Comm. Inven. Discov. Certificate # 1179859 (1985 August 15)

L. Chkhartishvili has experience in scientific-technical translation from English to Georgian and Russian:

- Ministry of Economics and Sustainable Development of Georgia (2008)
- State Department of Hydrometeorology of Georgia (1996 – 1995)
- Enterprise “Tvisi” at the Georgian Center of Technical Information “Tech Inform” (1991 – 1990)
- All-Soviet Union Center of Translations (1988 – 1987)

L. Chkhartishvili’s biography is included in:

- 2008 (25th Anniversary – “Silver”) and subsequent editions of Who’s Who in the World ®
- 2000 Outstanding Intellectuals of the 21st Century for outstanding contributions to the field of Nanophysics (2011)

In 1983 - 2023, Levan Chkhartishvili has participated in 106 scientific forums:

1. 5th Georgia Republic Conference of Young Scientists and Specialists, Tbilisi, Georgia, 1983

2. 8th International Symposium on Boron, Borides, Carbides, Nitrides, and Related Compounds (ISBB 1984), Tbilisi, Georgia, 1984
3. 9th International Symposium on Boron, Borides, and Related Compounds (ISBB 1987), Duisburg, Germany, 1987
4. 6th All-Soviet Union Meeting on Study of Gallium Arsenide, Tomsk, Russia, 1987
5. Scientific-Technical Conference "Thin Films in Production of Semiconductor Devices and Integrated Circuits", Moscow, Russia, 1987
6. 12th All-Soviet Union Scientific Conference on Microelectronics, Tbilisi, Georgia, 1987
7. 7th Georgia Republic Scientific-Technical Conference of Young Scientists, Tbilisi, Georgia, 1987
8. Professors' and Lecturers' Open Scientific-Technical Conference Devoted to 75th Anniversary of Georgian Technical University, Tbilisi, Georgia, 1997
9. Scientific-Methodical Conference Dedicated to 90th Birthday of Academician Matthew Mirianashvili, Tbilisi, Georgia, 1997
10. 13th International Symposium on Boron, Borides, and Related Compounds (ISBB 1999), Dinard, France, 1999
11. 1st International Boron Symposium, Kutahya, Turkey, 2002
12. 14th International Symposium on Boron, Borides, and Related Compounds (ISBB 2002), St. Petersburg, Russia, 2002
13. 2nd International Boron Symposium, Eskisehir, Turkey, 2004
14. International Scientific Conference FMNS, Blagoevgrad, Bulgaria, 2005
15. 15th International Symposium on Boron, Borides, and Related Materials (ISBB 2005), Hamburg, Germany, 2005
16. Georgian Mathematical Union's 4th Congress, Tbilisi, Georgia, 2005
17. 4th International Conference MEE, Kyiv, Ukraine, 2006
18. Kharkiv Nanotechnology Assembly, Kharkiv, Ukraine, 2006
19. 8th International Congress ETHTM, Kharkiv, Ukraine, 2007
20. 1st International Conference High Mat Tech, Kyiv, Ukraine, 2007
21. Kharkiv Nanotechnology Assembly, Kharkiv, Ukraine, 2008
22. 16th International Symposium on Boron, Borides and Related Materials (ISBB 2008), Matsue, Japan, 2008
23. 5th International Conference MEE, Kyiv, Ukraine, 2008
24. 14th International Clay Conference, Castellaneta Marina, Italy, 2009

25. Materials Science Days, Tbilisi, Georgia, 2009
26. 4th International Boron Symposium, Eskisehir, Turkey, 2009
27. 2nd International Conference High Mat Tech, Kyiv, Ukraine, 2009
28. 1st International Conference "Nanochemistry – Nanotechnologies" (Nano 2010), Tbilisi, Georgia, 2010
29. 6th International Conference MEE, Kyiv, Ukraine, 2010
30. FP7 Brokerage Event on Energy, Kyiv, Ukraine, 2010
31. International Scientific Conference "Modern Issues of Applied Physics", Tbilisi, Georgia, 2011
32. ISTC International Scientific Conference "International Cooperation for Sustainable Development through Science and Technology", Tbilisi, Georgia, 2011
33. Nanomeeting, Minsk, Belarus, 2011
34. 6th International Symposium "Fullerenes and Nanostructures in Condensed Matter", Minsk, Belarus, 2011
35. 17th International Symposium on Boron, Borides, and Related Materials (ISBB 2011), Istanbul, Turkey, 2011
36. 3rd International Conference High Mat Tech, Kyiv, Ukraine, 2011
37. 7th International Scientific-Practical Conference "Science and Innovation", Przemyśl, Poland, 2011
38. International Conference "Fundamental and Applied Nano Electro Magnetics", Minsk, Belarus, 2012
39. 3rd International Samsonov Memorial Conference "Materials Science of Refractory Compounds", Kyiv, Ukraine, 2012
40. 1st International Conference "Modern Technologies and Methods of Inorganic Materials Science", Tbilisi, Georgia, 2012
41. 2nd International Conference "Nanotechnologies" (Nano 2012), Tbilisi, Georgia, 2012
42. International Scientific Conference "Basic Paradigms in Science and Technology Development for the 21st Century" Dedicated to 90th Anniversary of Georgian Technical University, Tbilisi, Georgia, 2012
43. 7th International Conference MEE, Kyiv, Ukraine, 2012
44. Conference "Powder Metallurgy: Its Today and Tomorrow", Kyiv, Ukraine, 2012
45. 8th International Scientific-Practical Conference "Perspective Problems of World Science", Sofia, Bulgaria, 2012
46. 9th International Scientific-Practical Conference "Modern Stage of Science", Prague, Czech

Republic, 2013

47. Nanomeeting, Minsk, Belarus, 2013

48. 1st All-Russia Scientific Internet-Conference with International Participation "Nanotechnology in Theory and Practice", Kazan', Russia, 2013

49. 1st International Conference and Exhibition on Advanced and Nano Materials (ICANM 2013), Quebec, Canada, 2013

50. 4th International Conference High Mat Tech, Kyiv, Ukraine, 2013

51. 4th International Conference "Fundamental Bases of Mechanochemical Technologies", Novosibirsk, Russia, 2013

52. NATO ARW "Nuclear Radiation Nanosensors and Nanosensory Systems", Tbilisi, Georgia, 2014

53. 2nd All-Russia Scientific Internet-Conference with International Participation "Nanotechnology in Theory and Practice", Kazan', Russia, 2014

54. 4th International Samsonov Memorial Conference "Materials Science of Refractory Compounds", Kyiv, Ukraine, 2014

55. 11th International Scientific-Technical Conference "New Materials and Technologies: Powder Metallurgy, Composite Materials, Protective Coatings, Welding", Minsk, Belarus, 2014

56. 10th International Research and Practice Conference "Trends of Modern Science", Shieffield, United Kingdom, 2014

57. 2nd International Conference and Exhibition on Advanced and Nano Materials (ICANM 2014), Calgary, Canada, 2014

58. 18th International Symposium on Boron, Borides, and Related Materials (ISBB 2014), Honolulu, USA, 2014

59. 3rd International Conference "Nanotechnologies" (Nano 2014), Tbilisi, Georgia, 2014

60. 2nd International Conference "Modern Technologies and Methods of Inorganic Materials Science", Tbilisi, Georgia, 2015

61. 3rd International Conference and Exhibition on Advanced and Nano Materials (ICANM 2015), Ottawa, Canada, 2015

62. International Research and Practice Conference "Nanotechnology and Nanomaterials", Lviv, Ukraine, 2015

63. 5th International Conference High Mat Tech, Kyiv, Ukraine, 2015

64. International Conference "Advanced Materials and Technologies", Tbilisi, Georgia, 2015

65. 4th International Conference and Exhibition on Advanced and Nano Materials (ICANM 2016), Montreal, Canada, 2016

66. 9th International Conference MEE, Kyiv, Ukraine, 2016

67. 21st Session of Scientific Council on New Materials at Committee of Natural Sciences of International Association of Academies of Sciences "Composite Functional Materials", Kyiv, Ukraine, 2016
68. Conference "Modern Problems of Metals and Metallic Systems Physics", Kyiv, Ukraine, 2016
69. 18th International Metallurgy and Materials Congress, Istanbul, Turkey, 2016
70. 4th International Conference "Nanotechnologies" (Nano 2016), Tbilisi, Georgia, 2016
71. 6th All-Russia Conference on Nanomaterials, Moscow, Russia, 2016
72. 22nd Session of Scientific Council on New Materials at Committee of Natural Sciences of International Association of Academies of Sciences "Composite Functional Materials", Kyiv, Ukraine, 2017
73. 19th International Symposium on Boron, Borides, and Related Materials (ISBB 2017), Freiburg, Germany, 2017
74. 14th International Symposium on Self-Propagating High Temperature Synthesis, Tbilisi, Georgia, 2017
75. 17th International Biannual Meeting GADEST, Lopota, Georgia, 2017
76. IEEE 7th International Conference on Nanomaterials: Applications and Properties, Zatoka, Ukraine, 2017
77. 5th International Caucasian Symposium on Polymers and Advanced Materials, Tbilisi, Georgia, 2017
78. NATO ARW "Nanostructured Materials for the Detection of CBRN", Kyiv, Ukraine, 2017
79. 26th Annual International Conference on Composites or Nano Engineering, Paris, France, 2018
80. 6th International Conference and Exhibition on Advanced and Nano Materials (ICANM 2018), Quebec, Canada, 2018
81. 3rd International Conference "Inorganic Materials Science Modern Technologies and Methods", Tbilisi, Georgia, 2018
82. 2nd International Conference and Exhibition on Nanotechnology, San Diego, USA, 2018
83. 5th International Conference "Nanotechnologies" (Nano 2018), Tbilisi, Georgia, 2018
84. Conference on Nanoscience and Nanotechnology, Frascati, Italy, 2018
85. International Scientific Conference "Science for Practice and Development", Baku, Azerbaijan, 2019
86. International Symposium on Boron, Nevsehir, Turkey, 2019
87. International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology in Cappadocia, Nevsehir, Turkey, 2019

88. 11th Japanese–Mediterranean Workshop on Applied Electromagnetic Engineering for Magnetic, Superconducting, Multifunctional, and Nanomaterials, Batumi, Georgia, 2019
89. 7th International Conference and Exhibition on Advanced and Nano Materials (ICNAM 2019), Montreal, Canada, 2019
90. 20th International Symposium on Boron, Borides, and Related Materials (ISBB 2019), Niigata, Japan, 2019
91. 17th International Conference on Advanced Nano Materials, Aveiro, Portugal, 2021
92. 8th International Conference and Exhibition on Advanced and Nano Materials (ICANM 2021), Ottawa, Canada, 2021
93. 4th International Conference “Inorganic Materials Science Modern Technologies and Methods”, Tbilisi, Georgia, 2021
94. 7th International Materials Science Conference High Mat Tech, Kyiv, Ukraine, 2021
95. 6th International Conference “Nanotechnology” (GTU nano 2021), Tbilisi, Georgia, 2021
96. 7th International Caucasian Symposium on Polymers and Advanced Materials, Tbilisi, Georgia, 2021
97. 8th International Samsonov Conference “Materials Science of Refractory Compounds”, Kyiv, Ukraine, 2022
98. 21st International Symposium on Boron, Borides, and Related Materials (ISBB 2022), Paris, France, 2022
99. 9th International Conference and Exhibition on Advanced and Nanomaterials (ICANM 2022), Victoria, Canada, 2022
100. International Scientific and Practical Conference “Innovations and Modern Challenges – 2022”, Tbilisi, Georgia, 2022
101. International Scientific Conference “Latest Trends in Synergistic Combined Treatment of Neoplasms and Other Non-Infectious Diseases. Bio- and Nanotechnologies in Medicine and Pharmacy”, Tbilisi, Georgia, 2022
102. Conference on Nanoscience and Nanotechnology, Frascati, Italy, 2023
103. 8th International Caucasian Symposium on Polymers and Advanced Materials, Tbilisi, Georgia, 2023
104. 8th International Materials Science Conference High Mat Tech, Kyiv, Ukraine, 2023
105. IA STEM International Conference on Recent Advances in Engineering and Technology, Krabi, Thailand, 2023
106. 2nd International Scientific Conference “Science, Education, Innovations and Chemical Technologies – From Idea to Implementation”, Tbilisi, Georgia, 2023