



*The Curriculum Vitae of
Garnik Karapetyan*

Personal Details

Full Name: Garnik Albert Karapetyan
Date of birth: 03-February-1958
Place of birth: Leninakan, Armenia
Nationality: Armenian
Postal address: Building 15, apartment 4, Deghatan street, Yerevan, Armenia
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E-mail address: garnik_karapetyan@yahoo.com, garnik.karapetyan@rau.am
Marital Status: Married, a son and two daughter
Languages: Russian (fluent), English (fluent)

Degree Information

High education: 1975-1980 – BSc, Yerevan State University,
Faculty of Mechanics and Mathematics,
Department of Differential Equations and Functional Analysis
Diploma: Mathematician
Scientific Degree: 1980-1983 – Ph.D., Yerevan State University
Dissertation title: “An investigation of the solutions of the first boundary-value

problem for a class of linear and quasilinear hypoelliptic equations”

01.01.02 - Differential Equations and Mathematical Physics, Yerevan State University

Supervisor: Ghazaryan Haik, Doctor of Science, Full Professor in Russian-Armenian (Slavonic) University

1987 – Associate professor, Yerevan State University,

Department of Mathematics and Mathematical Modeling,

January, 2007 – Doctor of Science, Yerevan State University,

Specialized Council in Mathematics

Dissertation title: “Properties of solutions of regular hypoelliptic equations”

2008 – Full professor, Russian-Armenian University,

Department of Mathematics and Mathematical Modeling,



Employment History

<i>1983</i>	Yerevan State University, Department of Numerical Analysis, Faculty of Applied Mathematics
<i>Position:</i>	Assistant
<i>1990 – 1994</i>	Yerevan State University, Faculty of Informatics and Applied Mathematics
<i>Position:</i>	Deputy dean
<i>1992</i>	Yerevan State University, Faculty of Informatics and Applied Mathematics

Position: Acting dean

1994 - 2000 Yerevan State University,
Faculty of Informatics and Applied Mathematics

Position: Scientific Secretary

1997 - 1999 Mathematics Olympiad Committee of Armenia

Position: Chairman

2002 - up today Russian-Armenian (Slavonic) State University, Department of Mathematics and
Mathematical Modeling

Position: Head of the Department

2015 - up today Russian-Armenian (Slavonic) University, Institute of Mathematics and High
Technology

Position: Deputy director of the Institute, Director of the BSc in Applied Mathematics
and Informatics program

2008 Entitled Distinguished Professor of Russian-Armenian (Slavonic) University

2008 Obtained the recognition (nostrification) of diploma certifying the degree
conferment of Doctor of Physico-mathematical Sciences in the Russian
Federation and the academic rank of Professor of the Russian Federation.

Teaching subjects: Elementary Math
Packages of Applied Programs- Mathematica, MatLab
Mathematical modeling
Mathematical analysis (Calculus I, II, III)
Ordinary Differential equations
Partial Differential Equations
Equations of mathematical physics
Functional Analysis
Numerical methods
Theory of distributions and Function Spaces



Professional Memberships

- Member of the Scientific Council of Russian-Armenian (Slavonic) University.
- Member of the Dissertation Council in Mathematics of the Republic of Armenia.
- Member of the Armenian Mathematical Society and American Mathematical Society.

Some International conferences and workshop participations

- Fourth conference on differential equations and applications, Rousse' 89, Bulgaria, August 13-August 19, 1989.
- Sixth International Scientific Conference "Modern Methods, Problems and Applications of Operator Theory and Harmonic Analysis VI", Rostov-on-Don, 24 - 29 April, 2016.
- Seventh International Scientific Conference "Modern Methods, Problems and Applications of Operator Theory and Harmonic Analysis VII", Rostov-on-Don, 23 - 28 April, 2017.
- International Conference on Function Spaces and the Theory of Approximation of Functions, dedicated to the 110th anniversary of the birth of Academician S.M. Nikol'skii, Moscow, Russia, April 30, 2005.
- International Conference "Harmonic Analysis and Approximations, VI", Tsaghkadzor, Armenia, 12-18 September, 2015.

International Grants

- INTAS Grant (N 99-01080, 2000-2002)
- INTAS Grant (N 05-100080, 2006-2008)

Current Research Interests

Pure mathematics

- theory of function spaces (Sobolev and Besov spaces, spaces with fractional order of smoothness) and applications – embeddings, extensions, interpolation spaces, traces.
 - partial differential equations, theory of hypoelliptic equations, boundary value problems, a priori estimates, approximation of solutions, the index of operators.
 - elementary mathematics teaching methods.
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Scientific Connections

1. O.V. Besov, Head of the Department of Function Theory, Steklov Mathematical Institute, RAS. E-mail: besov@mi.ras.ru, Phone: +7 (499) 135 11 50
2. V.I. Burenkov, Head of Department of Mathematical Analysis and the Theory of Functions, Peoples' Friendship University of Russia, Moscow. E-mail: burenkov@cardiff.ac.uk, burenkov@cf.ac.uk
3. Hans-Juergen Schmeisser, Head of the department of Mathematics and Informatics of Friedrich-Schiller University, Jena, Germany. E-mail: hans-juergen.schmeisser@uni-jena.de, Phone: 0015153908206
4. Hans Triebel, Professor of Friedrich-Schiller University, Jena, Germany. E-mail: hans.triebel[a]uni-jena.de, Phone: (+49) 3641 9 46120
4. V.M. Kokilashvili, Head of Mathematical Analysis Department of A. Razmadze Mathematical Institute. E-mail: kokil@rmi.ge, Phone: 599 138411
5. Gérard Bourdaud, Professor Emeritus, Paris Diderot University. E-mail: bourdaud@math.jussieu.fr
6. G.V. Demidenko, Chief Researcher, Sobolev Institute of Mathematics, RAS, E-mail: demidenk@math.nsc.ru, Phone: 3297578
7. A.G. Sergeev, Deputy Director of the Steklov Institute of the RAS, E-mail: sergeev@mi.ras.ru, Phone: (499) 135 32 20

Publications and PH.D. students

55 articles, 2 textbooks in differential equations, 7 problem books and manuals.

PH.D. – Sardaryan Vahan, Dalakyan Gurgun, Tananyan Hovhannes, Darbinyan Arman.

PH.D. student – Arzumanyan Gosh, Hakobyan Tigran, Tumanyan Ani, Karapetyan Hayarphi.

Other interests and hobbies

- Programming and Bioinformatics.
- Swimming, playing football, enjoying music.