

Curriculum Vitae



Personal information

First name / Surname **Vadym Adamyan (Адамян Вадим Мовсесович)**
Address Department of Theoretical Physics and Astronomy, Odessa I.I.Mechnikov National University,
2 Dvoryanska St., Odessa 65082, Ukraine
Telephone +380-48-7317556
E-mail vadamyam@onu.edu.ua
Date of birth 02 December, 1938

Occupational field Theoretical Physics, Mathematics

Work experience

Dates	September 2016 onwards
Occupation or position held	Head of the Department of Theoretical Physics and Astronomy, Full Professor
Main activities and responsibilities	<ul style="list-style-type: none">- Planning and guidance of academic and R & D activity of the Department;- Direct involvement in the teaching (classes in Quantum Mechanics, Advanced Quantum Mechanics, Advanced Quantum Theory of Solids, Mathematical Physics, Financial Kinetics) and scientific research in theoretical physics and mathematics;- Supervision and review Bachelor, Master and PhD theses;- Supervision of scientific seminars.
Dates	July 1979 – August 2016
Occupation or position held	Head of the Department of Theoretical Physics, Full Professor
Main activities and responsibilities	<ul style="list-style-type: none">- Planning and guidance of academic and R & D activity of the Department;- Direct involvement in the teaching (classes in Quantum Mechanics, Quantum Fields Theory, Quantum Theory of Solids, Scattering Theory, Stability Theory, Solitons Theory, Mathematical Physics, Group Theory and it's Applications, Operator Theory, Financial Kinetics) and scientific research in theoretical physics and mathematics;- Supervision and review Bachelor, Master and PhD theses;- Supervision of scientific seminars.
Name and address of employer	Odessa I.I.Mechnikov National University, 2 Dvoryanska St., Odessa 65082, Ukraine
Type of business or sector	State owned universities
Dates	September 1977 – June 1979
Occupation or position held	Department of Theoretical Physics, Full Professor
Main activities and responsibilities	Teaching and scientific research in theoretical physics and mathematics

Name and address of employer	Odessa I.I.Mechnikov National University, Odessa, Ukraine
Dates	October 1975 – September 1977
Occupation or position held	Department of Theoretical Physics, Associate Professor
Main activities and responsibilities	Teaching and scientific research in theoretical physics and mathematics
Name and address of employer	Odessa I.I.Mechnikov National University, Odessa, Ukraine
Dates	January 1967 – September 1975
Occupation or position held	Research Institute of Physics, Head of Laboratory of Theoretical Physics
Main activities and responsibilities	Coordination scientific research of the Laboratory, research work in the theory of solids and mathematics
Name and address of employer	Odessa I.I.Mechnikov National University, Odessa, Ukraine
Dates	March 1966 – January 1967
Occupation or position held	Senior Lecturer, Department of Mathematics
Main activities and responsibilities	Teaching of mathematics
Name and address of employer	Odessa State Academy of Civil Engineering and Architecture, 4 Didrikhson St, Odessa 65029, Ukraine
Dates	October 1964 – March 1966
Occupation or position held	Senior Research Fellow, Research Laboratory of Devices Dynamics
Main activities and responsibilities	Research in Applied Mathematics and Mechanics
Name and address of employer	Odessa National Academy of Food Technologies, 112 Kanatna St, Odessa 65039, Ukraine
Education and Training	
Date	October 17, 1974
Title of qualification awarded	Doctor of Sciences in Physics and Mathematics, specialization in Functional Analysis and Function Theory
Principal subject	Title of Thesis: "Unitary Couplings of Semiunitary Operators"
Awarded by	Institute of Mathematics, National Academy of Sciences of Ukraine, Kiev
Date	June 20, 1966
Title of qualification awarded	PhD in Physics and Mathematics, specialization in Functional Analysis and Function Theory
Principal subject	Title of Thesis: "On Some Principles of Unitary Couplings of Semiunitary Operators Theory and its Applications in Scattering Theory"
Awarded by	Yerevan State University, Yerevan, Armenia
Name and type of organisation providing education and training	Odessa State Academy of Civil Engineering and Architecture, Department of Theoretical Mechanics, 1961 – 1964
Date	June 12, 1961
Title of qualification awarded	Physicist and high school physics teacher
Principal subject	Theoretical Physics, title of thesis: "The shape of exciton zones with account of retardation"
Name and type of organisation providing education and training	Odessa I.I. Mechnikov National University, Odessa, Ukraine, 1956 -1964
Social and organisational skills and competences	Coordinator and Principal Investigator of Ukrainian research teams in national and international scientific projects in theoretical physics and mathematics funded by Government of Ukraine, German Research Foundation (DFG), INTAS, Swiss National Science Foundation (SNSF), US Research and Development Foundation (CRDF): Organizer of two international conferences "Modern Analysis and Applications" of 1997 and 2007 with preparation for publishing four volumes of their proceedings (Operator Theory: Advances and Applications, v. 117,118 and v. 190, 191), co-organizer of the summer school "Mathematical theory of quantum networks" (Les Diablerets, Switzerland, June 2011) for Swiss, Ukrainian and EU PhD students;

Organizer in the framework of Swiss – Ukrainian research project “ Mathematical theory of quantum networks and PT-symmetric quantum mechanics” (Program of scientific cooperation between Eastern Europe and Switzerland SCOPES 2009–2012) of the open competition among Ukrainian students for the best Bachelor’s and Master’s theses in the areas of the theory of linear operators and its applications, mathematical physics, mathematical methods and models of quantum mechanics with one-day scientific conference for the second four participants of the competition (Odessa, November 2010).

Referee of some journal in mathematics and physics and member of editorial board of journals “Methods of functional analysis and topology” and “Nanosystems: physics, chemistry, mathematics”.

Additional information

Publications	https://scholar.google.com.ua/citations?user=Vvguu24AAAAJ&hl=ru&oi=ao (see also V.M. Adamjan, V.M. Adamian)
The most cited paper	V.M. Adamyan, D.Z. Arov, M.G. Krein. Analytic properties of Schmidt pairs for a Hankel operator and the generalized Schur–Takagi problem, <i>Mat. Sb. (N.S.)</i> , 1971, Volume 86(128) , Number 1(9) , Pages 34–75 (cited in 869 papers)
The latest published paper	V.N. Bondarev, V.M. Adamyan and V.V. Zavalniuk. Bending mode and thermal expansion of graphene, <i>Physical Review B</i> 97 035426 (2018)
Membership in scientific societies	American mathematical society (AMS) Society of applied mathematics and mechanics (GAMM) Ukrainian mathematical society Ukrainian physical society
Personal grants	DAAD stipendium (Regensburg university, Germany), Soros Professorship, DFG professorship (Regensburg university, Germany), Research grant of New Zealand Science Foundation (Auckland university, New Zealand), Research grants of Government of Valencia, Spain and the Polytechnic University of Valencia, Valencia (Spain), Research grant of Melbourne University, Australia, Erasmus Mundus EUROEAST Scholarship
Honorary awards	M.G. Krein Premium of the Ukrainian Academy of Sciences, Commendation Letter of the Cabinet of Ministers of Ukraine