

Yuri Ruben Hakopian

Faculty of Informatics and Applied Mathematics

Dean

23-99
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 yuri.hakopian@ysu.am

Education

Institution	Yerevan State University
Faculty	Faculty of Applied Mathematics
Date	1966 - 1972
Degree name	Qualified specialist

Scientific Rank/degree

Institution	Yerevan State University
Date	2006
Degree name	Professor
Specialty	Physico-mathematical sciences

Institution	Institute for Informatics and Automation Problems, National Academy of Sciences of Armenia
Date	2000
Degree name	Doctor
Specialty	Physico-mathematical sciences
Research Topic	Algebraic Multigrid Preconditioners for Finite Element Matrices

Language skills

Հայերեն Russian English

Work experience

Institution	Yerevan State University
Period of time	2021 till now
Rank/degree	Dean of the Faculty of Informatics and Applied Mathematics

Institution	Yerevan State University
Period of time	2020 - 2021
Rank/degree	Acting Dean of the Faculty of Informatics and Applied Mathematics

Institution	Yerevan State University
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Period of time	2007 - 2020
Rank/degree	Head of the Department of Numerical Analysis and Mathematical Modeling

Institution	Yerevan State University
Period of time	2001 - 2007
Rank/degree	Head of the Department of Mathematical Methods and Modeling

Institution	Yerevan State University
Period of time	1996 - 2001
Rank/degree	Associate Professor, Department of Mathematical Methods and Modeling

Institution	Yerevan State University
Period of time	1987 - 1996
Rank/degree	Associate Professor, Department of Mathematical Models and Methods of Natural Sciences

Institution	Yerevan State University
Period of time	1980 - 1987
Rank/degree	Associate Professor, Department of Numerical Analysis

Institution	Yerevan State University
Period of time	1976 - 1980
Rank/degree	Assistant at the Department of Numerical Analysis

Scientific interests

- Numerical Analysis
- Numerical Linear Algebra
- Algebraic Multilevel Preconditioning Methods
- Finite Element Method

Participation in international conferences and seminars

30/09/1997 -	Research visit: INTAS, grant No. 93-377ex
02/11/1997	Catholic University of Nijmegen Netherlands (the)

28/09/1996 -	Research visit: INTAS, grant No. 93-377ex
09/11/1996	Catholic University of Nijmegen Netherlands (the)

12/09/1995 -	Research visit: INTAS, grant No. 93-377
12/10/1995	Catholic University of Nijmegen

Netherlands (the)

07/09/1993 - Research visit: NWO, grant No. 7.13.-016
30/10/1993 Catholic University of Nijmegen
Netherlands (the)

20/03/1998 - Research visit: Department of Mathematics of the University of Houston
01/05/1998 University of Houston, Texas
United States of America (the)

28/11/1992 - Research visit: Department of Mathematics of the University of Jyvaskula
12/12/1992 University of Jyvaskula
Finland

07/04/1991 - Research visit: Semester on Numerical Analysis and Mathematical Modelling
10/04/1991 Stephan Banach International Mathematical Center, Warsaw
Poland

07/04/1987 - Research visit: Semester on Numerical Analysis and Mathematical Modelling
21/04/1987 Stephan Banach International Mathematical Center, Warsaw
Poland

24/06/1997 - International Algebraic Conference dedicated to the memory of D.K.Faddeev
30/06/1997 V.A. Steklov Mathematical Institute of the Russian Academy of Sciences, St. Petersburg branch
Russian Federation (the)

18/09/1995 - 1th European Conference on Numerical Mathematics and Advanced Applications
22/09/1995 Pierre and Marie Curie University, Paris
France

29/06/1992 - 3th International Conference on Numerical Analysis
03/07/1992 The Russian Academy of Sciences, Moscow
Russian Federation (the)

21/05/1990 - 4th International Symposium on Domain Decomposition Methods
25/05/1990 Academy of Sciences of the USSR, Moscow
Russian Federation (the)

13/08/1989 - 4th International Conference on Differential Equations and Applications
19/08/1989 Bulgarian Academy of Sciences, Ruse
Bulgaria

21/09/2008 - VI international conference «Problems of the dynamics of interaction of deformable media»

Institute of Mechanics of the National Academy of Sciences of the Republic of Armenia
Armenia

19/09/2011 - 23/09/2011	VII international conference «Problems of the dynamics of interaction of deformable media» Institute of Mechanics of the National Academy of Sciences of the Republic of Armenia Armenia
25/09/1997 - 29/09/1997	International Conference CSIT'1997 «Computer Science and Information Technologies» The National Academy of Sciences of the Republic of Armenia Armenia
17/08/1999 - 22/08/1999	International Conference CSIT'1999 «Computer Science and Information Technologies» The National Academy of Sciences of the Republic of Armenia Armenia
17/09/2001 - 20/09/2001	International Conference CSIT'2001 «Computer Science and Information Technologies» The National Academy of Sciences of the Republic of Armenia, Yerevan Armenia
22/09/2003 - 26/09/2003	International Conference CSIT'2003 «Computer Science and Information Technologies» The National Academy of Sciences of the Republic of Armenia Armenia
26/09/2011 - 30/09/2011	International Conference CSIT'2011 «Computer Science and Information Technologies» The National Academy of Sciences of the Republic of Armenia Armenia

Membership

Institution	Member of Specialized Council 044 «Mathematical Cybernetics and Mathematical Logic» at the Yerevan State University
Period of time	2008 - 2018
Institution	Member of Specialized Council 032 «Control, Automation Systems and Electronics» at the State Engineering University of Armenia
Period of time	2006 - 2007

State awards and honorary titles

2009 Gold Medal of Yerevan State University

Publications

Article

On the Analytical Moore-Penrose Inversion of Complex Bidiagonal Matrices

Yu.R.Hakopian, A.H.Manukyan

Lobachevskii Journal of Mathematics 2025 3994 - 4008

Article

THE MOORE-PENROSE INVERSE OF TRIDIAGONAL SKEW-SYMMETRIC MATRICES. I

Yu.R.Hakopian, A.H.Manukyan, H.V.Mikaelyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2023 1-8

Article

The Moore-Penrose inverse of tridiagonal skew-symmetric matrices. II

Yu.R. Hakopian, A.H. Manukyan, H.V. Mikaelyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2023 31-43

Manual

Введение в метод конечных элементов

Ю.Р.Акопян

2022 142

Article

Analytical Inversion of Tridiagonal Hermitian Matrices

Yuri R. Hakopian, Avetik H. Manukyan

Mathematical Problems of Computer Science 2022 7-19

Manual

Մատրիցային անալիզի տարրեր

Յուրի Հովհենի Հակոբյան

2022 224

Article

Computing the Moor-Penrose Inverse for Bidiagonal Matrices

Yuri Hakopian

Могилянський математичний журнал (Mohyla Mathematical Journal) 2019 11-23

Book

Թվային մեթոդներ

Յուրի Հակոբյան

2019 462

Book

Թվային մեթոդներ

Յու.Հակոբյան

Article

Moore-Penrose inverse of bidiagonal matrices.IV

Yu.R. Hakopian, S.S.Aleksanyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2016 23-29

<http://www.ysu.am/science/en/journals>

Article

Moore-Penrose inverse of bidiagonal matrices.III

Yu.R.Hakopian, S.S.Aleksanyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2016 12-21

<http://www.ysu.am/science/en/journals>

Article

Moore-Penrose inverse of bidiagonal matrices.IV

Yu.R.Hakopian, S.S.Aleksanyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2016 23-29

<http://www.ysu.am/science/en/journals>

Article

THE MOORE-PENROSE INVERSE OF BIDIAGONAL MATRICES. I

Yu.R. Hakopian, S.S.Aleksanyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2015 11-20

<http://www.ysu.am/science/en/journals>

Article

Moore-Penrose inverse of bidiagonal matrices.II

Yu.R.Hakopian, S.S.Aleksanyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2015 8-16

<http://www.ysu.am/science/en/journals>
