

Yuri Ruben Hakopian

Faculty of Informatics and Applied Mathematics
Dean

23-99
(060) 71-03-99
yuri.hakopian@ysu.am

Education

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

Scientific Rank/degree

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

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| 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 Русский English

Work experience

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

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

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| 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 |

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

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

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

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

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| 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

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| 30/09/1997 - 02/11/1997 | Research visit: INTAS, grant No. 93-377ex Catholic University of Nijmegen Netherlands (the) |
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| 28/09/1996 - 09/11/1996 | Research visit: INTAS, grant No. 93-377ex Catholic University of Nijmegen Netherlands (the) |
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| 12/09/1995 - 12/10/1995 | Research visit: INTAS, grant No. 93-377 Catholic University of Nijmegen |
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| 07/09/1993 - 30/10/1993 | Research visit: NWO, grant No. 7.13.-016 Catholic University of Nijmegen Netherlands (the) |
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| 20/03/1998 - 01/05/1998 | Research visit: Department of Mathematics of the University of Houston University of Houston, Texas United States of America (the) |
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| 28/11/1992 - 12/12/1992 | Research visit: Department of Mathematics of the University of Jyuvaskula University of Jyuvaskula Finland |
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| 07/04/1991 - 10/04/1991 | Research visit: Semester on Numerical Analysis and Mathematical Modelling Stephan Banach International Mathematical Center, Warsaw Poland |
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| 07/04/1987 - 21/04/1987 | Research visit: Semester on Numerical Analysis and Mathematical Modelling Stephan Banach International Mathematical Center, Warsaw Poland |
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| 24/06/1997 - 30/06/1997 | International Algebraic Conference dedicated to the memory of D.K.Faddeev V.A. Steklov Mathematical Institute of the Russian Academy of Sciences, St. Petersburg branch Russian Federation (the) |
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| 18/09/1995 - 22/09/1995 | 1th European Conference on Numerical Mathematics and Advanced Applications ENUMATH'95 Pierre and Marie Curie University, Paris France |
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| 29/06/1992 - 03/07/1992 | 3th International Conference on Numerical Analysis The Russian Academy of Sciences, Moscow Russian Federation (the) |
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| 21/05/1990 - 25/05/1990 | 4th International Symposium on Domain Decomposition Methods Academy of Sciences of the USSR, Moscow Russian Federation (the) |
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| 13/08/1989 - 19/08/1989 | 4th International Conference on Differential Equations and Applications Bulgarian Academy of Sciences, Ruse Bulgaria |
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| 21/09/2008 - 26/09/2008 | VI international conference «Problems of the dynamics of interaction of deformable media» |
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| 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 |
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| 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 |
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| 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 |
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| 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 |
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| 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 |
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| 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 |
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Membership

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| Institution | Member of Specialized Council 044 «Mathematical Cybernetics and Mathematical Logic» at the Yerevan State University |
| Period of time | 2008 - 2018 |

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| 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 Ռուբենի 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>
