

# Manuk Garnush Manukyan

✉ [mgm@ysu.am](mailto:mgm@ysu.am)



## Information Technologies Educational and Research Center

Chair of Information Systems

Associate professor

### Education

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| <b>Institution</b> | M. V. Lomonosov Moscow State University              |
| <b>Faculty</b>     | Faculty of Computational Mathematics and Cybernetics |
| <b>Date</b>        | 1984 - 1987  |
| <b>Degree name</b> | PhD student  |

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| <b>Institution</b> | Yerevan State University       |
| <b>Faculty</b>     | Faculty of Applied Mathematics |
| <b>Date</b>        | 1971 - 1976                    |
| <b>Degree name</b> | Qualified specialist           |

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### Scientific Rank/degree

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| <b>Institution</b> | Yerevan State University      |
| <b>Date</b>        | 2006                          |
| <b>Degree name</b> | Associate professor           |
| <b>Specialty</b>   | Physico-mathematical sciences |

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| <b>Institution</b>           | M. V. Lomonosov Moscow state University |
| <b>Date</b>                  | 1991                                    |
| <b>Degree name</b>           | Candidate                               |
| <b>Specialty</b>             | Physico-mathematical sciences           |
| <b>Scientific Supervisor</b> | Leonid Andreevich Kalinichenko          |
| <b>Research Topic</b>        | Temporal Data Model                     |

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### Language skills

Հայերեն Русский English

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### Work experience

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| <b>Institution</b>    | Yerevan State University, Information Technologies Educational & Research Center,<br>Chair of Information Systems |
| <b>Period of time</b> | 2007 till now   |

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|-----------------------|---|
| <b>Rank/degree</b>    | Associate Professor   |
| <b>Institution</b>    | Russian-Armenian (Slavonic) University, Faculty of Applied Mathematics and Informatics, Chair of System Programming |
| <b>Period of time</b> | 2004 - 2023   |
| <b>Rank/degree</b>    | Visiting Professor  |
| <b>Institution</b>    | Yerevan State University, Department of Informatics and Applied Mathematics, Chair of Algorithmic Languages         |
| <b>Period of time</b> | 1993 - 2007   |
| <b>Rank/degree</b>    | Associate Professor   |
| <b>Institution</b>    | Yerevan State University, Department of Informatics and Applied Mathematics, Chair of Algorithmic Languages         |
| <b>Period of time</b> | 1988 - 1993   |
| <b>Rank/degree</b>    | Assistant Professor   |
| <b>Institution</b>    | M. V. Moscow State University, Moscow, USSR   |
| <b>Period of time</b> | 1982 - 1984   |
| <b>Rank/degree</b>    | Fellowship  |
| <b>Institution</b>    | Yerevan State University, Faculty of Applied Mathematics  |
| <b>Period of time</b> | 1976 - 1982   |
| <b>Rank/degree</b>    | Programmer  |

## Scientific interests

- The Theory of Relational Databases
- Database Systems
- Conceptual Data Models
- Temporal Data Models
- Data Integration
- Big Data
- Data Science
- Programming Languages

## Participation in international conferences and seminars

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| <b>29/09/2007 - 03/10/2007</b> | Eleventh East-European Conference on Advances in Databases and Information Systems<br>Bulgaria |
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| <b>24/10/2023 -<br/>27/10/2023</b> | XXV International Conference on Data Analytics and Management in Data Intensive Domains<br>Russian Federation (the)                                  |
| <b>05/09/2022 -<br/>08/09/2022</b> | 26th European Conference on Advances Databases and Information systems<br>Italy  |
| <b>26/11/2021 -<br/>29/11/2021</b> | XXIII International Conference on Data Analytics and Management in Data Intensive Domains<br>Russian Federation (the)                                |
| <b>13/11/2020 -<br/>16/11/2020</b> | XXII International Conference on Data Analytics and Management in Data Intensive Domains<br>Russian Federation (the)                                 |
| <b>15/11/2019 -<br/>18/11/2019</b> | XXI International Conference on Data Analytics and Management in Data Intensive Domains<br>Russian Federation (the)                                  |
| <b>09/11/2018 -<br/>12/11/2018</b> | XX International Conference on Data Analytics and Management in Data Intensive Domains<br>Russian Federation (the)                                   |
| <b>10/11/2017 -<br/>13/11/2017</b> | XIX International Conference on Data Analytics and Management in Data Intensive Domains<br>Russian Federation (the)                                  |
| <b>28/08/2016 -<br/>31/08/2016</b> | 20th East-European Conference on Advances in Databases and Information Systems<br>Czech Republic (the)   |
| <b>02/12/2014 -<br/>04/12/2014</b> | 16th International Conference on Information Integration and Web - based Applications & Services<br>Viet Nam   |
| <b>11/11/2012 -<br/>15/11/2012</b> | First Workshop on Programming the Semantic Web, in conjunction with the 11th International Semantic Web Conference<br>United States of America (the) |
| <b>07/09/2009 -<br/>10/09/2009</b> | 13th East European Conference on Advances in Databases and Information Systems<br>Latvia   |
| <b>05/09/2008 -<br/>09/09/2008</b> | 12th East European Conference on Advances in Databases and Information Systems<br>Finland  |
| <b>07/09/2001 -<br/>10/09/2001</b> | 5th East-European Conference on Advances in Databases and Information Systems<br>Lithuania   |

**02/09/1997 -  
05/09/1997**

First East-European Conference on Advances in Databases and Information Systems  
Russian Federation (the)

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## Membership

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**Institution** A member of Program Committee of the European Conference on Advances in Databases and Information Systems

**Period of time** 2020 - 2020

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**Institution** A member of Program Committee of the European Conference on Advances in Databases and Information Systems

**Period of time** 2019 - 2019

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**Institution** A member of Program Committee of the European Conference on Advances in Databases and Information Systems

**Period of time** 2018 - 2018

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**Institution** A member of Program Committee of the European Conference on Advances in Databases and Information Systems

**Period of time** 2016 - 2016

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**Institution** A member of Program Committee of the European Conference on Advances in Databases and Information Systems

**Period of time** 2014 - 2014

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**Institution** A Member of Steering Committee of the European Conference on Advances in Databases and Information Systems

**Period of time** 2006 - 2024

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**Institution** A Member of Council of Faculty of Informatics and Applied Mathematics of YSU

**Period of time** 2000 - 2007

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**Institution** Council Secretary of Faculty of Informatics and Applied Mathematics of YSU

**Period of time** 2002 - 2007

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**Institution** A Member of Council of Information Technologies Educational and Research Center of YSU

**Period of time** 2010 - 2023

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## State awards and honorary titles

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2019 Yerevan State University Gold Medal

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*Article*

**Conceptual Data Model : Concepts, Formal Bases, and Implementation Issues**

Manuk G. Manukyan

Communications in Computer and Information Science. 2024 51-64

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*Article*

**On an Extensible Conceptual Data Model by a Non-Formal Example**

Manuk G. Manukyan

Communications in Computer and Information Science: New Trends in Databases and Information Systems  
2022 3 - 13

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*Article*

**On a Conceptual Data Model with Orientation to Data Integration**

Manuk G. Manukyan

CEUR Workshop Proceedings 2021 39 -53

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*Article*

**An Ontology Approach to Data Integration**

Manuk Manukyan

CEUR Workshop Proceedings 2020 33-47

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*Article*

**Ontology-based Data Integration**

Manuk Manukyan

CEUR Workshop Proceedings 2019 117-128

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*Article*

**A DYNAMIC INDEXING SCHEME FOR MULTIDIMENSIONAL DATA**

Manuk G. Manukyan, Grigor R. Gevorgyan

Modern Information Technologies and IT-Education 2018 111-125

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*Article*

**On an Ontological Modeling Language by a Non-Formal Example**

Manuk G. Manukyan

CEUR Workshop Proceedings 2018 41-48

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*Article*

**On an Approach to Data Integration: Concept, Formal Foundations and Data Model**

Manuk G. Manukyan

CEUR Workshop Proceedings 2017 206-213

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*Article*

**Canonical Data Model for Data Warehouse**

Manuk Manukyan, Grigor Gevorgyan

Communications in Computer and Information Science: New Trends in Databases and Information Systems  
2016 72-79

*Article*

**Effective Algorithms to Support Grid Files**

G. Gevorgyan, M. Manukyan

Вестник Российско-Армянского Университета: Физико-математические и естественные науки 2015

22-38

<http://science.rau.am/rus/50/701>

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*Conference*

**An Ontology Approach to Data Integration (Extended Abstract)..**

Manuk Manukyan

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