

CURRICULUM VITAE  
Manuk G. Manukyan



---

INFORMATION TECHNOLOGIES EDUCATIONAL AND RESEARCH CENTRE  
YEREVAN STATE UNIVERSITY  
YEREVAN 0025, ARMENIA  
PHONE: (37410) 551941  
E-MAIL: [mgm@ysu.am](mailto:mgm@ysu.am)

*PERSONAL:*

Born **September 19, 1954.**

*EDUCATION:*

**1984-1987:** Postgraduate student at Moscow State University, Moscow, USSR.

**1971-1976:** Graduate student at Yerevan State University, Faculty of Applied Mathematics, Diploma, Yerevan, Armenia.

*ACADEMIC DEGREES:*

**2006:** **Associate Professor** in Informatics from Yerevan State University.

**1991:** **Candidate of Science in Physics and Mathematics** (PhD in Databases) from Moscow State University for the thesis: *Temporal Data Model*. Advisor: *Professor Leonid Kalinichenko*.

*PROFESSIONAL ACTIVITIES:*

**2007-pres.:** Associate Professor at Yerevan State University, Information Technologies Educational and Research Centre, Chair of Information Systems.

**2004-pres.:** Visiting Professor at the Russian-Armenian (Slavonic) University, Faculty of Applied Mathematics and Informatics, Chair of System Programming.

**1992-2007:** Associate Professor at Yerevan State University, Department of Computer Science.

**1988-1992:** Assistant Professor at Yerevan State University, Department of Computer Science.

**1982-1984:** Postgraduate fellowship at Moscow State University, Moscow, USSR.

**1976-1982:** Software engineer at Yerevan State University, Faculty of Applied Mathematics, Yerevan, Armenia.

### ***RESEARCH INTERESTS:***

Databases, Temporal Databases, XML Databases, Data Models, Conceptual Design, Information Integration, Programming Languages.

### ***PUBLICATIONS:***

1. Manukyan M. G., Gevorgyan G. R., An Approach to Information Integration Based on the AMN Formalism, First Workshop on Programming the Semantic Web, in conjunction with the 11th International Semantic Web Conference, Boston, USA, 2012 (accepted) .
2. Manukyan M. G., Gevorgyan G. R., An XML Mediator Based on the AMN Formalism, In Russian-Armenian (Slavonic) University Bulletin, Physical and Mathematical Sciences, ISSN 1829-0450, Number 1, pp. 1-18, Yerevan, 2012.
3. Manukyan M. G., Gevorgyan G. R., An approach to the problem of integrating information (Russian), In Proc. of the 6th Annual Scientific Conference of Russian-Armenian (Slavonic) University, pp. 89-96, Yerevan, 2011.
4. Manukyan M. G., Element Algebra (extended version), International Journal of Information Technology and Database Systems, vol. 1, Serials Publications, ISSN 2231-1807, New Delhi (India), pp. 43-56, 2010.
5. Manukyan M. G., Harutunyan V. K., Algorithm for reduction of Element Calculus to Element Algebra, In Russian-Armenian (Slavonic) University Bulletin, Physical and Mathematical Sciences, ISSN 1829-0450, Number 1, Yerevan, pp. 22-28, 2010.
6. Manukyan M. G., Element Algebra. In Proc. of ADBIS'2009, LNCS 5968, Springer, pp. 113-120, 2009.
7. Manukyan M. G., Extensible Data Model, In Proc. of the 12<sup>th</sup> East-European Conference on Advances in Databases and Information Systems, pp. 42-57, Pori, Finland, 2008.
8. Manukyan M. G and el., Relational Mapping of the xdm-schemas (Russian), In Proc. of the 3<sup>rd</sup> Annual Scientific Conference of Russian-Armenian (Slavonic) University, pp. 97-104, Yerevan, 2008.

9. Manukyan M.G., Karapetyan S. S., Some problems of an Extensible Data Model, In Proc. of the 2<sup>nd</sup> Annual Scientific Conference of Russian-Armenian (Slavonic) University, 157-165, Yerevan, 2007.
10. Manukyan M. G., Kalinichenko L. A., Temporal XML, In Proc. of the 5<sup>th</sup> East-European Conference on Advances in Databases and Information Systems, pp. 143-155, 2001.
11. Manukyan M. G. & Kalinichenko L. A., Providing temporal capabilities for Semi-structured Data Models, Technical report. YSU - IPI RAS, pp. 1-27, Yerevan - Moscow, 2000.
12. Manukyan M. G., Temporal Data Model, In Proc. of the 1<sup>st</sup> East-European Conference on Advances in Databases and Information Systems, Springer, ISBN: 3-540-76227-2, pp. 1-12, 1997.
13. Kalinichenko L. A., Manukyan M. G., Language tools of temporally-oriented data model (Russian), Programmirovaniye, Number 5, pp. 72-85, Moscow, USSR, 1990.
14. Kalinichenko L. A., Manukyan M. G., Language tools for conceptual modeling category of time in databases (Russian), In Problems of informatics, IPI AS of USSR, Moscow, USSR, 1990.
15. Manukyan M. G., Chaban I. A., Problems of realization declarative tools of conceptual level of systems of integration heterogeneous databases (Russian), In Distributed Data processing and local computer network, pp. 38-48, Moscow USSR, 1987.
16. Manukyan M. G., Analysis of tools of conceptual level of systems integration of heterogeneous databases (Russian), In Numerical methods in mathematical physics, pp. 143-144, Moscow State University, Moscow, USSR.
17. Manukyan M. G., Block reduction of programs of relational processor to local representation (Russian), In Some issues of computational mathematics, mathematical physics and computer software, pp. 72-74, Moscow State University, Moscow, USSR.

#### ***TEXTBOOKS:***

1. Manukyan M. G., Introduction to Database Systems, Yerevan State University, pp. 1-59, Yerevan, 2005.
2. Kostanyan A. H, Manukyan M. G., Informatics, electronic school-book for 9-10 classes of high school, Yerevan State University, Yerevan, 2005.

#### ***TEACHING EXPERIENCE:***

The Theory of Relational Databases; Introduction to Database Systems; Database System Principles; Transaction Processing and Distributed Databases; Object

Databases; Database Systems Implementation; Database SQL, QBE and Quel Languages; XML Databases; Introduction to programming by Pascal and C++.

#### *GRANTS:*

**1999-2001:** Modelling and management of semi-structured data for dynamic www applications (INTAS). Available at <http://delab.csd.auth.gr/projects/INTAS/>

#### *MEMBERSHIP/PARTICIPATION IN COUNCILS:*

**2010-pres.:** A member of council of Information Technologies Educational and Research Centre at Yerevan State University.

**2002-2007:** Council secretary of faculty of Informatics and Applied Mathematics at Yerevan State University.

**2000-2007:** A member of council of Faculty of Informatics and Applied Mathematics at Yerevan State University.

#### *MEMBERSHIP IN INTERNATIONAL CONFERENCES:*

**2006-pres.:** A member of steering committee of the East European conference ADBIS (on Advances in Databases and Information Systems).

**2006 ; 2010:** A member of ADBIS program committee.

#### *HOBBY*

Since school years I have been writing verses.

#### *SPORT*

I am fond of swimming.

#### *FREE TIME*

I like to play chess and preference.

I, sometimes with a glass of Armenian cognac, listen to old Russian romances with pleasure.

#### *LANGUAGES:*

Good knowledge of **Armenian** and **Russian** languages, **English**.