

## CURRICULUM VITAE

**Name:** István Győri

**Address:**

**Home:** 8220 Balatonalmádi, Vadász utca 12, Hungary

**Work:** Department of Mathematics and Computing, University of Veszprém,  
8201 Veszprém, Pf. 158. Hungary

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**Position:** Full Professor of Mathematics

**Personal Data:** Born on July 20, 1943, in Sárbogárd, Hungary

Married: Edit Harkai, high school teacher

Children: István (1968), Blanka (1974)

**Interests:** Mathematical Analysis, Differential and Difference Equations,  
Biomathematics, Computer Applications

**Education:**

**B. Sc.:** Szeged University, Szeged, Hungary, 1968

**Major:** Mathematics and Computer Science

**Minor:** Physics

**University Doctor Degree (Mathematics):** Szeged University, Szeged, Hungary, 1971,

**Thesis:** Behaviour of the Solutions of Convolution Type Integral Equations,

**Tutor:** Ph.D. L. Pintér,

**Supervisors:** Professors B. Szőkefalvi Nagy and K. Tandori.

**Scientific Degrees:**

**Candidate of Science (Mathematics):** Hungarian Academy of Sciences, Budapest, 1976, **Thesis:** Behaviour of the Solutions of Functional-Differential Equations.

**Doctor of Science (Mathematics):** Hungarian Academy of Sciences, Budapest, 1992, **Thesis:** Oscillation and Global Attractivity of the Solutions of Functional-Differential Equations.

**Language Skills:** English (good), Russian (moderate)

**Employment:**

1993-

Professor of Mathematics, University of Veszprém, Hungary

1983-1993:

Associate Professor, A. Szent-Györgyi Medical University, Szeged, Hungary

1972-1983:

Senior research fellow, A. Szent-Györgyi Medical University, Szeged, Hungary

1968-1972:

Mathematician, A. Szent-Györgyi Medical University, Szeged, Hungary

**Awards:**

Bolyai Farkas scientific award from “Arany János Foundation for the Science” (foundation of the Hungarian Academic of Sciences), 2000

Albert Szent-Györgyi Research Award, Ministry of Education, Hungary, 2000

Széchenyi Research Scholarship, Ministry of Education, Hungary 1997-2000

“Hungarians for Europe” Award , Sfera Communication Company (based on the votes of the representatives of regional companies), Hungary, 1998.

“Prof. Hermann Niemmeyer Fernandez” honorary professorship at University of Santiago, Chile, 1994.

Neumann János Award, János Neumann Society of Computer Science, Hungary, 1992.

Grünwald Géza Award, János Bolyai Mathematical Society, Hungary, 1978.

Titular Associate Professor, Szeged University, Bolyai Mathematical Department, Szeged, Hungary, 1978.

**Teaching:** Mathematical Analysis, Calculus, Differential Equations,  
Linear Algebra, Computing, Probability Analysis and Mathematical  
Statistics (both in Hungarian and in English)

**Teaching experience in USA:**

1987-1989 Visiting professor at Department of Mathematics, University of Rhode  
Island, Kingston, R.I., USA.

**Research Grants:**

“Differential and Difference Equations, Theory and Applications” under grant No. K7324,  
given by Hungarian National Science Foundation, 2008-2012. (main researcher)

“Qualitative and Quantitative Theory of Differential and Difference Equations with  
Applications”, under grant No. TO 46929, given by Hungarian National Science  
Foundation, 2004-2007. (main researcher)

“Security of Information Technology and Data Base” given by National Research and  
Development Program (A joint project of university, research center and industry.), 2001-  
2004. (main researcher)

Euromaths “71550-CP-1-1999-1-FI COMENIUS-C31” project, 1999-2003. (main  
researcher)

“Qualitative and quantitative properties of solutions of differential and  
difference equations with delays”, under grant No. MKM FKP 1024/1997,  
given by Hungarian Ministry of Education, 1997-2001. (main researcher)

“Qualitative and quantitative theory of differential and difference equations with  
applications to population dynamical models”, under grant No. T 031935, given by  
Hungarian National Science Foundation, 2000-2004. (main researcher)

“Qualitative and quantitative methods in differential equations with applications”, under  
grant No. TO 19846, given by Hungarian National Science Foundation, 1996-1999. (main  
researcher)

“Applied differential equations”, AMFK 249/1996. (main researcher) (main researcher)

“Qualitative analysis of functional differential equations with applications” under grant No. 160/1994, given by Hungarian Ministry of Education, 1994-1995. (main researcher)

“Qualitative theory of differential equations” under grant No. 6032/6319, given by Hungarian National Science Foundation, 1986-1994.

“Computer methods in Health Care” under grant No. 12/4-21/4999, given by Hungarian Ministry of Health, 1981-1985.

“Nonlinear Parameter estimation in the Modeling of biological systems described by differential equations” given by Hungarian Ministry of Health, 1979-1980.

#### **Activities in Ph.D. programs:**

- 2001- Founder member of the “Informatics Ph.D. School” of University of Veszprém, Hungary.
- 1999-2000 Professor of a course (introduction to probability theory and statistics) in a pedagogical Ph.D. program at University of Veszprém, Hungary
- 1997-2000 Coordinator of a Ph.D. subprogram “Deterministic and stochastic dynamical system models in engineering informatics” at University of Veszprém, Hungary.
- 1995/96. winter semester: Part time professor in the Ph.D. program of Mathematical Department of Karl Franzes Universität Graz, Austria.
- 1994: Professor of a course in the Summer School at Marrekesh University, Marocco
- 1994- Part time professor in the mathematics Ph.D. program of Szeged University, Szeged, Hungary
- Part time professor in the mathematical Ph.D. program of Eötvös Loránd University, Budapest, Hungary

#### **University Service:**

- 1999- Elected member of the Council of Veszprém University, Hungary.
- Elected member of the Council of Teacher Training Faculty of Veszprém University, Hungary
- Invited member of the Habilitation Committee of University of Szeged, Hungary
- 1995-1998 Rector of University of Veszprém
- 1993- Head of Department of Mathematics and Computing, University of Veszprém
- Supervisor of the teacher training program from informatics, University of Veszprém, Hungary
- 1976-1993 Head of Computing Centre, A. Szent-Györgyi Medical University, Szeged, Hungary
- 1991-1993 Member of the Council of Medical Faculty, A. Szent-Györgyi Medical University, Szeged, Hungary
- 1991-1993 Chairman of the Informatics Committee of University Association Szeged,

## Hungary

### **Conference organizations:**

Member of the Scientific Committee of “International Conference 2004, Dynamical Systems and Applications”, Antalya, Turkey (2004).

Member of the Global Organizing Committee of “World Congress of Nonlinear Analysts” (WCNA-2004), Orlando, Florida, USA (2004).

Member of the Scientific Committee of “International Conference on Differential Equations and Applications in Mathematical Biology”, Nanaimo, Canada (2004).

Organizer of the special session “Qualitative and Quantitative Theory of State-dependent Functional Differential Equations with Applications” at the conference “Dynamical Systems and Differential Equations”, Pomona, USA (2004).

Member of the Scientific Committee of “International Conference on Difference Equations and Applications” (ICDEA) (each year between 1995 and 2003, in different countries).

Member of the Scientific Committee of “Colloquium on Qualitative Theory of Differential Equations” (CQTDE), Szeged, Hungary (2003).

Member of the Scientific Committee of “Conference on Differential Equations and Applications” (CDEA), Zilina, Slovakia (2003).

Member of the organizing committee of “Fourth International Conference of Difference Equations with Applications”, Poznan, Poland (1998).

Member of the organizing committee of “Conference on Functional Differential Equations and Applications”, Antalya, Turkey (1997).

Chairman of the conference “Dynamical Systems in Biology and Medicine”, Veszprém, Hungary (1996).

Member of the organizing committee and head of the international jury of “Student Olympiad in Informatics”, Veszprém, Hungary (1996).

Chairman of the “Second International Conference of Difference Equations with Applications”, Veszprém, Hungary (1995).

Member of the organizing committee of “First World Congress of Computational Medicine, Public Health and Biotechnology”, Austin, Texas (1995).

Member of the organizing committee of the conference “Informatics in Higher Education”, Debrecen, Hungary (1993).

Member of the organizing committee of “World Congress of Nonlinear Analysts”, Tampa, Florida (1992).

Chairman of the organizing committee of the conference “Applications of Computer and Cybernetic Methods in Medical Sciences and Biology”, 1982, 1984, 1986, 1990, 1996.

### **Editorial Activities:**

#### ***Editor in Chief:***

International Journal of Qualitative Theory of Differential Equations and Applications

#### ***Associate editor of the journals:***

„Alkalmazott Matematikai Lapok”

„Journal of Advanced Research in Dynamical and Control Systems (JARDCS) (Institute of Advanced Scientific Research, USA)

„Communications in Differential and Difference Equations” (CDDE) (Research India Publications)

„International Journal of Difference Equations and Dynamical Systems” (Research India Publications)

„International Journal of Dynamical Systems and Differential Equations” (IJDSDE) (Indersciences Publishers)

„Far East Journal of Mathematics” (Serials Publications)

„Pacific-Asian Journal of Mathematics and Mathematical Sciences” Advances in Difference Equations, USA.

„Mathematical Notes”, A Publication of the University of Miskolc

„Functional Differential Equations”, Israel.

Guest editor of the Special Issue of “Mathematical and Computer Modeling” containing the proceedings of the conference “Dynamical Systems in Biology and Medicine”, Veszprém, Hungary, 1996, Pergamon Press, 2000.

Co-editor of Proceedings of Second International Conference of Difference Equations. Gordon and Breach Science Publishers, Amsterdam, 1997.

Co-editor of the following conference proceedings: Application of Computational and Cybernetic Methods in Medicine and Biology, 1982, 1984, 1986, 1990, 1992.

### **Publications:**

Theoretical mathematics: 1 research monograph, 95 research papers in refereed journals, 38 publications in conference proceedings, and 10 miscellaneous publications.

On practical applications of the computers and mathematical methods in the medicine there are 45 publications,

There are more than 1400 citations for these publications. Several invited and plenary lectures at international conferences.

The titles of the book, the papers and the lectures available if they are needed.

### **Membership in Professional Societies:**

International Society of Difference Equations, Director, 2004-

J. Neumann Society of Computer Science (Hungary)

European Biomathematical Society

J. Bolyai Mathematical Society (Hungary)

### **Functions in professional societies, and organizations:**

Member of the jury and chairman of a subcommittee which evaluated applications for research and development funds, Ministry of Education, Hungary, 2001.

Chairman of Cultural Committee of the Veszprém Section of the Hungarian Academy of Sciences, 2000-2003.

Member of the “Mathematical Jury” of the “National Scientific and Research Foundation”

of the Hungarian Academy, 1998-2001.

President of the Mathematics and Physics Committee of the Veszprém Section of the Hungarian Academy of Sciences, 1996-

Vice-President of the council of the Scientific Section of J. Bolyai Mathematical Society (Hungary), 1994-1998

Member of Mathematics Committee of Hungarian Academy of Sciences, 1993-1996

Member of the council of Medical and Biological Section of J. von Neumann Society of Computer Science (Hungary), 1991-

Member of Biomathematics, Mathematics and Computing Committees of Hungarian Academy of Sciences, 1991-1995

Vice-President of Medical and Biological Section of J. von Neumann Society of Computer Science (Hungary), 1989-1994

President of Medical and Biological Section of J. von Neumann Society of Computer Science (Hungary), 1985-1989

#### **Activity in Public Committees:**

World Bank representative in the advisory group for Management Information Support System in Health Care, Ministry of Welfare, Hungary, 1996-1999.

Member of the Hungarian Committee of Tempus, 1996-1999.

Member of the Informatics in Health Care Committee of the Ministry of Welfare, Hungary, 1991-1996.

Chairman of the Informatics Committee of Szeged city, 1992-1993.

Member of the Standardization Committee in Informatics of the Prime Minister's Office, Hungary, 1992-1993.

#### **Activity in Committees of Higher Education:**

Member of the "Mathematical and Computer Sciences Committee" of the Hungarian Accreditation Committee, Hungary, 2000-2006.

Member of the presidency of the Hungarian Rector's Conference, 1997-1998.

Chairman of the Financing and Informatics Committee of Hungarian Rector's Conference, 1997-1998.

Member of the Working Group on EU Research Policy of the Confederation of EU Rector's Conference, 1996-1998.

Board member of the Friends of Hungarian Higher Education Foundation, USA, 1998-

Board member of the Friends of Hungarian Higher Education Foundation, Hungary, 1998-

#### **Professional visits from 1987:**

1987.05.10-1987.07.10.	France	invited researcher, Pau
1987.09.01-1989.09.01.	U.S.A.	invited professor (Univ.of Rhode Island)
1987.08.24-1987.08.28.	Greece	conference

1989.11.26-1989.11.28.	Ausztria	Digital Equipment Corporation
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1990.08.28-1990.09.03.	Japan	invited speaker
1990.09.23-1990.09.28.	Berlin	scientific collaboration
1991.03.25-1991.04.05.	Greece	visiting professor
1991.05.23-1991.06.06.	Russia	visiting professor
1991.08.17-1991.08.25.	Bulgaria	invited speaker at a conference
1992.05.16-1992.05.19.	France	joint research
1992.06.01-1992.06.06.	France	invited speaker at a conference
1992.06.27-1992.07.02.	Czech Republic	conference lecture
1992.07.01-1992.09.01.	Canada	invited professor
1992.09.01-1992.09.09.	U.S.A.	invited lecture at a world conference
1993.07.15-1993.08.10.	India	invited lectures at universities
1994.04.24-1994.04.28.	U.S.A.	invited lecture at a world conference
1994.05.24-1994.06.05.	U.S.A.	invited lectures at conferences
1994.11.17-1994.12.06.	France	invited researcher
1995.01.05-1995.01.29.	Chile	honorable professorship
1996.06.02-1996.06.10.	Turkey	invited lecture
1996.07.10-1996.07.17.	Greece	invited lecture
1997.03.14-1997.03.16.	Netherlands	invited lecture
1997.08.18-1997.08.22.	Turkey	invited lecture
1997.09.01-1997.09.15.	Taiwan	invited lecture
1998.01.19-21.	Germany, Bernburg	preparation for collaboration
1998.03.04-14.	USA, New York, Washington, Boston	USIS Visitors Program.
1998.05.04.	Czech Republic, Brno	invited lecture
1998.05.05-08.	Poland, Poznan	invited lecture
1998.05.21-29.	Greece, Crete	a committee meeting on European research
1998.06.03-11.	China, Shanghais	conference lecture
1998.06.27-07.04.	Israel, Ariel	conference lecture
1998.08.27-31.	Poland, Poznan	invited lecture
1999.05.09-12.	Czech Republic, Brno	invited lecture
1999.05.26.	Slovakia, Kassa	invited lecture
1999.07.26-30.	Portugal, Lisszabon	invited lecture
1999.10.27-30.	Romania, Kolozsvár	invited lecture
1999.12.04-10.	France, Pau	invited lecture
2000.01.03-23.	Chile	invited lecture
2000.04.15-29.	Israel	invited lecture
2000.05.13-19.	Russia, Voronezh	invited lecture
2000.06.03-09.	Deutschland, Tübingen	invited lecture

2000.07.18-27.	Italy, Captain	invited lecture
2000.08.07-13.	Finland, Jyvaskyla	a joint project
2000.09.05-08.	Czech Republic, Brno	invited lecture
2000.10.29-11.14.	Venezuela, Chile	invited lecture
2001.05.23-06.06.	France, LeHavre	visiting professor
2001.07.30-08.03.	Germany, Augsburg	invited lecture
2001.08.05-09.02.	Brazil, Sao Carlos	visiting professor
2001.02.01-02.03.	Slovakia, Kosice	invited lecture member in habilitation committee
2001.12.09-01.06.	Israel, Beer Sheva	invited professor, invited lectures
2002.06.30-07.07.	Greace, Ioannina, Korfu	joint research, invited lectures
2003.05.13-05.20.	Canada, St. Johns	joint research, invited lectures
2003.05.21-05.24.	USA, Atlanta	invited lecture
2003.05.25-05.28.	USA, Statesboro	invited lecture
2004.06.16-06.19.	USA, Pomona CA	invited lecture
2004.06.20-06.29.	USA, Melbourne FL	invited lecture
2004.06.30-07.07.	USA, Orlando FL	invited lecture
2004.07.08-07.17.	Canada, Calgary	invited lecture
2004.07.18-07.24.	Canada, Nanaimo	invited lecture
2005.07.24-07.28.	Németország, München	invited lecture
2005.07.28-08.09.	USA, Melbourn, Florida	invited lecture
2006.03.04.-03.09.	Németország, Bexbach	invited lecture
2006.03.21-03.29.	USA, La-Fayette	invited lecture
2006.06.26-06.30.	Szlovák Köztársaság, Rejecké Toplice	plenary lecture
2007.06.25-06.28	Hungary, Szeged	invitred lecture
2007.07.28-08.02.	Italy, Novocella	plenary lecture
2008.03.12-16.	Németország, Laufen,	
2008.05.25-06.13.	Törökország, Ankara,	

### **Participation in student's projects and in evaluation processes:**

I supported several people to prepare their diploma works and Ph.D. students in the preparation of their dissertation (**a list is available, if it is needed**). I am regularly asked from different countries to be the opponent of dissertations and to take part in Ph.D. and habilitation committees (for instance from Hungary, India, USA, Canada, England, Czech Republic, Slovakia, France).

February 12, 2009.

István Györi