

# Curriculum vitae of

P.L. Erdős

August 30, 2009

## 1 Personal Data

Name: Péter L. Erdős

Born: August 24. 1956

Citizenship: Hungarian

Languages: Hungarian (native), English (fluent), German, Russian and Dutch (read)

Spouse: Gabriella Erdős

Children: Dorka (1985), Marci (1988)

Home address: H-1037 Budapest, Góbé u. 11/3, Hungary, Phone (home): 36-1-3675643

Affiliation: A. Rényi Institute of Mathematics, Hungarian Academy of Sciences, Budapest, Hungary

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## 2 Education

Doctor of the Hungarian Academy of Sciences, 2008,

Candidate of the Mathematical Sciences (a post doc. degree): The Hungarian Academy of the Sciences, 1991,

Ph. D.: Eötvös L. University, Budapest, 1982, advisor: G.O.H. Katona

M.S.: Eötvös L. University, Budapest, 1980, advisor: M. Simonovits

## 3 Positions

2009 – Senior research associate (tudományos tanácsadó), A. Rényi Institute of Mathematics, Hungarian Academy of Sciences, Budapest, Hungary

2002 – Senior research associate (tudományos főmunkatárs), A. Rényi Institute of Mathematics, Hungarian Academy of Sciences, Budapest, Hungary

1997 – 2002: Senior research associate, Head of Department, A. Rényi Institute of Mathematics, Hungarian Academy of Sciences, Budapest, Hungary

1995 – 1996: Lecturer, Institute of Mathematics and Computer Science, University of Agriculture, Gödöllő, Hungary  
 1983 – 1996: Research Fellow by Title, Mathematical Institute of the Hungarian Academy of the Sciences  
 1994 – 1995: Computer Advisor to the Hungarian delegation to Organization for Prohibition of Chemical Weapons, United Nations, The Hague, The Netherlands  
 1992 – 1995: Visiting researcher, CWI, Center for Mathematics and Computer Science, Amsterdam, The Netherlands  
 1992, Spring: Research fellow, Department of Applied Mathematics, University of Twente, Enschede, The Netherlands  
 1991, Fall: Universitair Docent, Department of Econometrics, University of Groningen, Groningen, The Netherlands  
 1991, Spring: Research fellow, Department of Applied Mathematics, University of Twente, Enschede, The Netherlands  
 1990: Research fellow of the A.v.Humboldt Stiftung, Institut für Ökonometrie und Operations Research, University of Bonn, Bonn, Germany  
 1985 – 1989: various positions in the computer business, Budapest Hungary  
 1980 – 1987: Assistant Professor of Mathematics, University of Economics, Budapest,

## 4 Memberships

2008 – Visiting Fellow in the School of Computing Sciences, University of East Anglia, Norwich, UK.  
 2006 – Hungarian Society for Bioinformatics, member of the Steering Comity  
 2002 - 2003 – Member of the Research Group of the research year "General Theory of Information Transfer and Combinatorics", ZIF, Center for Interdisciplinary Research, Bielefeld, Germany  
 1995 – Institute of Combinatorics and its Applications, Winnipeg, Canada  
 1978 – J. Bolyai Mathematical Association, Budapest, Hungary

## 5 Recent short-term visits

November - December 2008 – University of East Anglia, Norwich, UK  
 April - May 2008 – University of Bielefeld, Germany, FIST  
 January - February 2007 – Humboldt University, Berlin, Germany, FIST  
 March-April 2006 – Emory University, Georgia, University of South Carolina, Columbia, SC - Theoretical Division at Los Alamos National Laboratory, Los Alamos, New Mexico  
 May-June 2005 – University of Bielefeld, Germany, FIST

May-June 2004 – The Max Planck Institute for Mathematics in the Sciences, Leipzig, Germany

January 2004 – University of Magdeburg, Germany

September 2003 – University of South Carolina, Columbia, SC - Theoretical Division at Los Alamos National Laboratory, Los Alamos, New Mexico - Purdue University, West Lafayette, Indiana

May 2003 – research group "General Theory of Information Transfer and Combinatorics", Center for Interdisciplinary Research, Bielefeld, Germany

February 2003 – research group "General Theory of Information Transfer and Combinatorics", Center for Interdisciplinary Research, Bielefeld, Germany

May 2001 – Theoretical Division at Los Alamos National Laboratory, Los Alamos, New Mexico,

## **6 Invited speaker at recent conferences**

May 12-15, 2008 - ROGICS'08 Mahdia, Tunisia

March 27-29, 2008 - Molecular Informatics and Bioinformatics; International Symposium, Institute for Advanced Study Collegium Budapest, Hungary

October 28 - November 11, 2007 - Phylogenetics, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom

March 19-21, 2007 - From Molecular Informatics To Bioinformatics International Symposium, Institute for Advanced Study Collegium Budapest, Hungary

June 13-14, 2006 - First conference of the Hungarian Bioinformatics Society, Budapest, Hungary

May 2006 – "Combinatorial and Algorithmic Foundations of Pattern and Association Discovery" - Schloss Dagstuhl, International Conference And Research Center For Computer Science, Germany

May 2004 – "Gathering on Phylogenetic Combinatorics" - The Max Planck Institute for Mathematics in the Sciences, Leipzig, Germany

February 2002 – "Paths, Permutations and Trees", Nankai University; invited speaker and Chairman of the Opening Session

November 2002 – Opening conference of the research group "General Theory of Information Transfer and Combinatorics", Center for Interdisciplinary Research, Bielefeld, Germany

October 2002 – Conference "Wissenschaftsdialog in Südosteuropa zum Thema Neue Technologien", A.v. Humboldt Stiftung, Zagreb, Croatia

## 7 Recent Scientific Grants

2007-2011 Hungarian National Scientific Fund (OTKA) No.: K 68262  
2007-2010 M. Curie Transfer of Knowledge grant - HUBI  
2006-2009 Hungarian National Scientific Fund (OTKA) No.: NK 62321  
2005-2008 Hungarian National Scientific Fund (OTKA) No.: AT 048826  
2003-2006 Hungarian National Scientific Fund (OTKA) No.: T 37846  
2001-2004 Hungarian National Scientific Fund (OTKA) No.: T 34702  
Oct – Dec 2002: A.v Humboldt fellowship, University of Bielefeld, Germany  
Sept 2001: NATO research fellowship, University of Cologne, Germany  
Sept – Oct. 2000: DAAD visiting professor scholarship, University of Cologne, Germany

## 8 Research Area

Topics in Combinatorics:

- Theory of extremal set systems
- Extremal problems in partially ordered sets
- Multiway cut problem and planar Steiner problem
- String problems

Bioinformatics:

- Theory of phylogenetic trees
- Spectral theory of evolutionary trees
- Tree building algorithms
- DNA String problems