

Curriculum vitae

P.L. Erdős

June 18, 2010

1 Personal Data

Name: Péter L. Erdős

Born: August 24. 1956

Citizenship: Hungarian

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

Spouse: Gabriella Erdős

Children: Dorka (1985), Marci (1988)

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2 Education

Doctor of the Hungarian Academy of Sciences, 2008

Candidate of the Mathematical Sciences, Hung. 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– Scientific Adviser (tudományos tanácsadó), A. Rényi Institute of Mathematics, Hungarian Academy of Sciences, Budapest, Hungary

- 2002–2009 Senior research associate, 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
- Spring 1992 Research fellow, Department of Applied Mathematics, University of Twente, Enschede, The Netherlands
- Fall 1991 Universitair Docent, Department of Econometrics, University of Groningen, Groningen, The Netherlands
- Spring 1991 Research fellow, Department of Applied Mathematics, University of Twente, Enschede, The Netherlands
- 1989–1990 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 - "General Theory of Information Transfer and Combinatorics", ZIF, University of Bielefeld, Germany
- 1995– Institute of Combinatorics and its Applications, Winnipeg, Canada
- 1978– J. Bolyai Mathematical Association, Budapest, Hungary

5 Recent short-term visits

- Oct.–Nov. 2009 University of Bielefeld, Bielefeld, Germany
- Nov.–Dec. 2008 University of East Anglia, Norwich, UK
- April–May 2008 University of Bielefeld, Germany, FIST
- Jan.–Febr. 2007 Humboldt University, Berlin, Germany, FIST
- March–April 2006 Emory University, Georgia, University of South Caroline, 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
- Jan. 2004 University of Magdeburg, Germany
- Sept. 2003 University of South Caroline, 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
- Febr. 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

- June 6-11, 2010 Structure Discovery in Biology: Motifs, Networks & Phylogenies, Workshop 10231, Dagstuhl, Germany
- July 27-31, 2009 XV. Midsummer Combinatorial Workshop, Prague, Czech Republic
- April 7-9, 2009 Pretty Structures, Existential Polytime and Polyhedral Combinatorics, Institute Henri Poincare, Paris, France
- 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

- Oct. - Nov. 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
- Febr. 2002 "Paths, Permutations and Trees", Nankai University; invited speaker and Chairman of the Opening Session
- Nov. 2002 Opening conference of the research group "General Theory of Information Transfer and Combinatorics", Center for Interdisciplinary Research, Bielefeld, Germany
- Oct. 2002 Conference "Wissenschaftsdialog in Südosteuropa zum Thema Neue Technologien", A.v. Humboldt Foundation, Zagreb, Croatia

7 Recent Scientific Grants

- 2009-2013 Hungarian National Scientific Fund (OTKA) No.: NK 78439
- 2007-2011 Hungarian National Scientific Fund (OTKA) No.: K 68262
- 2007-2010 Hungarian Bioinformatics MTKD-CT-2006-042794, Marie Curie Host Fellowships for Transfer of Knowledge
- 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