

Curriculum Vitae

Pekka Orponen

Personal: Born 1959 in Helsinki, Finland. Finnish citizen.

Position: Professor of Theoretical Computer Science, Aalto University School of Science.

Education

April, 1986 Ph.D. in Computer Science, University of Helsinki

April, 1983 M.Sc. in Computer Science, University of Helsinki

May, 1978 Secondary school matriculation, Suomalainen Yhteiskoulu, Helsinki

Professional appointments

Sept. 2001 – present: Professor (Theoretical Computer Science), Department of Information and Computer Science, Aalto University School of Science (until Dec. 2009 Helsinki University of Technology TKK)

Aug. 1996 – Aug. 2001: Professor (Applied Mathematics and Computing), Department of Mathematics, University of Jyväskylä

Aug. 1995 – July 1996: Professor (Intelligent Systems), Department of Computer Science, University of Helsinki

June 1994 – July 1995: Associate Professor, Department of Computer Science, University of Helsinki

Aug. 1990 – May 1994: Assistant Professor, Department of Computer Science, University of Helsinki

Aug. 1987 – July 1990: Senior Research Fellow, Academy of Finland

Oct. 1984 – Aug. 1986: Research Associate, Academy of Finland

Recent research funding

- 2011:** Senior scientist appropriation for project “Modern Algorithmics and Its Interdisciplinary Applications” from the Academy of Finland.
- 2009–2011:** 3 py (personyears) for project “Online Optimisation and Production Planning” from the Academy of Finland. (Joint application with Esko Niemi, TKK Dept. of Engineering Design and Production.)
- 2009–2011:** 5 py for project “ICT SHOK Programme Future Internet WP6: Data Security” from Tekes – National Technology Agency of Finland.
- 2008–2013:** 5 py to support Erik Aurell’s (Professor and Chair of Biological Physics, KTH, Stockholm) visit to TKK as a Finland Distinguished Professor, from the Academy of Finland.
- 2004–2006:** 2 py for project “Algorithms and Combinatorics for Sensor Networks” from the Academy of Finland.
- 2004–2006:** 3 py for project “Algorithms for Nonuniform Networks” from the Academy of Finland.
- 2003–2005:** 4 py for project “Security and Mobility in Hierarchical Ad Hoc Networks” from Tekes – National Technology Agency of Finland.
- 2003–2004:** Senior scientist appropriation for project “Computational Landscapes and Networks” from the Academy of Finland.
- 2003–2005:** 3 py (personyears) for Algorithmics section of project “Networks and Architectures for Proactive Systems” from the Academy of Finland. (Joint application with Patrik Floréen (Univ. of Helsinki) and Jorma Virtamo (TKK Dept. of Electrical Engineering).)

Scientific and professional activities

Recent editorial board memberships:

Theoretical Computer Science C: Natural Computation 2003 – present.

IEEE Transactions on Neural Networks 1999 – 2002.

Membership in scientific societies: *American Mathematical Society, Association for Computing Machinery, Finnish Artificial Intelligence Society, European Association for Theoretical Computer Science, European Mathematical Society, Finnish Mathematical Society, Finnish Society for Computer Science (board member 1988, 1991–1993), IEEE Computer and Information Theory Societies, International Neural Network Society, Society for Industrial and Applied Mathematics.*

Extended research visits:

- March 2004 – April 2004: The Santa Fe Institute
- March 1997 – April 1997: Department of Computer Science, Boston University
- Jan. 1997 – June 1997: Department of Computer Science, Univ. of Edinburgh
- Sept. 1994 – July 1995: Institute for Theoretical Computer Science, Technical University of Graz
- Jan. 1989 – June 1990: Dept. of Computer Science, Univ. of Toronto
- Feb. 1984 – Aug. 1984: Dept. of Mathematics, Univ. of California at Santa Barbara

Recent administrative positions:

Department of Information and Computer Science, Aalto University School of Science and Technology (until Dec. 2009 Helsinki University of Technology TKK). Head of Department January 2008 – December 2010.

Faculty of Information and Natural Sciences, Aalto University School of Science and Technology (until Dec. 2009 Helsinki University of Technology TKK). Council Member January 2008 – December 2010.

Department of Computer Science and Engineering, Helsinki University of Technology TKK. Council Member January 2002 – December 2007. Chairman of Curriculum Committee August 2002 – July 2003, August 2004 – December 2007.

Laboratory for Theoretical Computer Science, Helsinki University of Technology TKK. Head of Laboratory August 2005 – July 2006.

Association for the Finnish Cultural Foundation (Suomen Kulttuurirahaston kannatusyhdistys). Board Member October 2003 – present.

Faculty of Science, University of Jyväskylä. Council Member October 1997 – August 2001, Vice Dean August 1999 – August 2001.