

Curriculum Vitae – Professor Harri Ehtamo

June 30, 2017

Harri Kalevi Ehtamo (Born: March 8, 1953, Köyliö, Finland)

Professor in Systems Analysis (Optimization Theory with Applications in Engineering and Economics),
Aalto University School of Science, Department of Mathematics and Systems Analysis.

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Academic Degrees:

1976 Bachelor of Science, in Mathematics, University of Helsinki.

1978 Master of Science, in Theoretical Physics, minor: Mathematics, University of Helsinki.

1980 Licentiate of Philosophy, in Theoretical Physics, University of Helsinki.

1989 Doctor of Technology, in Systems and Operations Research, minor: Engineering Physics, Helsinki
University of Technology.

Research and Academic Positions:

1977-1980 Teaching Assistant, University of Helsinki, Department of Theoretical Physics.

1980-1983 Research Fellow, University of Helsinki, Research Institute for Theoretical Physics, and
Department of High Energy Physics.

1983-present Helsinki University of Technology; 2010: Aalto University, Systems Analysis Laboratory:

1983-1987 Teaching Assistant.

1987-1990 Junior Research Fellow of the Academy of Finland.

1989-1998 Assistant Professor in Applied Mathematics.

1995 Appointment: Docent in Applied Mathematics.

1995-1996 Research Fellow in Applied Mathematics.

1988-1994 (altogether 14 months) Acting Associate Professor of Applied Mathematics.

Oct 1996-Dec 1996 Acting Professor in Applied Mathematics.

1997-1998 Acting Associate Professor in Applied Mathematics.

1998-1999 Acting Professor in Systems Analysis.

1999-present Professor in Systems Analysis (Optimization Theory with Applications in Engineering and Economics).

Military Service:

June 1980-May 1981. Lieutenant, June 1989.

Academic Activities:

Member of the Executive Board: The International Society of Dynamic Games (ISDG), 2000-2008; Secretary, 2000-2006.

Member of Editorial Board: Annals of the International Society of Dynamic Games, 1998-2008.

Founding Member and Editor-in-Chief: ISDG Electronic Newsletter, 1990-2006.

Associate Editor: Optimization Letters, 2011-present.

Publication Peer Review, e.g. for: Automatica; European Journal of Operational Research; European Physical Journal B; IEEE Transactions on Automatic Control; IEEE Systems, Man, and Cybernetics; INFORMS Journal of Transportation Science; INFORMS Journal on Computing; International Game Theory Review; Journal of Economic Dynamics and Control; Journal of Guidance, Control, and Dynamics; Journal of Optimization Theory and Applications; Mathematical Programming; Physical Review E; Safety Science.

Evaluated Project Proposals, e.g. for: Austrian Science Foundation, 2012; European Science Foundation, 2013-15; The Academy of Finland, several times.

Graduate School: Board Member of the National Graduate School in Systems Analysis, Decision Making and Risk Management, 1995-2013.

Examination:

Member of the Aalto University, School of Science Tenure Track Committee, 1.1.2017-31.12.2019.

Member of the Departmental Tenure Track Committees in Aalto University, School of Science (altogether six times): Department of Mathematics and Systems Analysis, 2016, 2017; Department of Computer Science, 2016.

Member of the Degree Programme Committee of Engineering Physics and Mathematics, Aalto University, School of Science, 2015-present.

Professor in Charge: of the Major, Systems and Operations Research, in the Master's Programme in Mathematics and Operations Research, Aalto University, School of Science, 2015-present.

Academic Activities Abroad:

Visiting Professor: University of South Australia, Center for Industrial and Applicable Mathematics, Adelaide, Australia, Dec 1999-Jan 2000; University of Nantes, Economics Department, Nantes, France, Jun 2001; Institute National de la Recherche Agronomique Centre de Montpellier (INRA), Montpellier, France, Apr 2002; Group for Research in Decision Analysis (GERSD) and Centre for Research on Transportation (C.R.T) HEC Montreal, Montreal, Canada, May-Jun 2003.

Lectured Courses in Different Universities, e.g. in: HEC Montreal, Canada; University of Nantes, France; University of South Australia, Australia; INRA, Montpellier, France.

Degrees Supervised and/or Instructed (at Helsinki University of Technology, -2009; Aalto University, School of Science, 2010-):

Bachelor's Thesis: over 40; Master's Thesis: over 70; Licentiate's Thesis: 7; Doctoral Dissertation: 11.

Supervised and/or Instructed Doctoral Dissertations: Markku Verkama (1994); Osmo Jauri (1995); Jussi Keppo (1998); Tuomas Raivio (2000); Pirja Heiskanen (2001); Mitri Kitti (2006); Kimmo Berg (2010); Anna Matala (2013); Simo Heliövaara (2014); Juha-Matti Kuusinen (2015); Janne Sorsa (2017).

Active Doctoral Students under my Personal Supervision: M.Sc. Mirko Ruokokoski (estimated qualification 2018); M.Sc. Anton von Schantz (estimated qualification 2019).

Publication Profile and Presentations:

Refereed journal articles: 50, with 1900 citations (since 2012, 700 citations); h-index 25 (Google Scholar Citations). Refereed conference articles: 40. Research reports: 25. Plenary and invited talks in international conferences over 30.

Recent Conferences:

INFORMS (The American Operations Research Society) Annual Meeting, Washington, DC, Oct 12-15, 2008. Participation with 3 of my graduate students. One invited talk, two regular talks.

INFORMS Annual Meeting, San Diego, CA, Oct 11-14, 2009. Participation with 5 of my doctoral students. Two invited talks, four regular talks.

INFORMS Annual Meeting, San Francisco, CA, Nov 9-12, 2014. Theme: Bridging Data and Decisions. A session chair, together with a keynote talk.

OR2015, International Conference on Operations Research, Vienna, Austria, Sept 1-4, 2015. Theme: Optimal Decisions and Big Data. A keynote talk, "Patient and impatient pedestrians in a spatial game of egress congestion", with my co-authors Simo Heliövaara and Anton von Schantz.

HICSS-50, Hawaii International Conference on System Sciences, Waikoloa, Hawaii, Jan 4-7, 2017. An invited talk, "Two-type multiagent game for egress congestion", with my co-authors Anton von Schantz and Ilmari Pärnänen.