

Personal Data

Born 10.1.1948, Helsinki, Finland. Married, four children (1973, 1977, 1984, 1988) and five grandchildren

At Present

Professor emeritus, University of Helsinki, 1.2.2014-

Docent of Psychology of Schooling, University of Joensuu, since 1987>

Ex-Director and present Fellow of Centre for Educational Assessment, University of Helsinki, since 1996

Addresses

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Education

Matriculation Examination, Helsingin lyseo, Laudatur, 1967

B.A. (psychology, social psychology, philosophy; with minor studies in chemistry, physics, astronomy), University of Helsinki, 1970

M.A. (general psychology (I), social psychology (I), philosophy (cl)), University of Helsinki, 1972

Lic. Phil. (psychology, social psychology), Joensuu University, 1978

Doctor of Psychology, Joensuu University, 1984, the dissertation "*The Distribution of Piagetian Stages of Thinking in Finnish Comprehensive School*".

Grants and visits to universities and higher research institutes in Sweden, Norway, Russia, England, Japan, Germany, Canada, Israel, India, Portugal and The Netherlands.

Honours

Honorary Member of Heureka, Finnish Science Centre, 1992;

Academician, Academy of Educational and Social Sciences, Russia (Est., 1994), Full Foreign Member, 1996;

The Teacher of the Year in Adult Education, 2000, Vantaa Further Education Centre

Honorary Alumni of Helsingin Lyseo (Gymnasium of Helsinki), 2001 (Vuoden Ressu, 2001)

Honorary Alumni of Students of Psychology, Kompleksi, University of Helsinki, 2013

K SL, 2013 (Commander of Finnish Order of Lion)

1R SVL, 2003 (1st Class Knight of Finnish Order of White Rose)

Academia Scientiarum Fennica, /Finnish Academy of Science and Letters (Suomalainen tiedeakatemia), Member, 2006-

Honorary Professor, Faculty of Psychology, Moscow State University, Russia, 2006-

Portraits by Viggo Wallenskjoeld, 2008, 2011

Photo-portraits by Markku Verkasalo (www.blipfoto.com/akkuv)

Golden Medal, Finnish Psychological Union, 2014

Alvari-Price of Hero, Finnish Association of People with Learning Difficulties, 2014

Eminentia-Grant 2015-2016, Finnish Cultural Foundation

Work History

1969-1971 Finnish Broadcasting Company, Long-Range Planning Section, Junior Researcher,

1972-1973 Ministry of Education, cc. Helsinki University, Department of Social Policy, Researcher,

1973-1978 Joensuu University, Institute of Behavioural Sciences, Programme for Psychology, Assistant (Research, Teaching, Administration),

1978-1987 Research and Development Centre, National Welfare Association for the Mentally Handicapped, Research Director,

1987-1990 Educational Department, Heureka, Finnish Science Centre, Director of Education, and finally

1990> Department of Teacher Education, University of Helsinki, Professor of Special Education, Full Tenure 1.3.1991>

University Administration

1970's Institute of Behavioural Sciences, University of Joensuu, Member of the Board,
1992 >2006 Member of the Board of Faculty of Education, Helsinki University,
1992>2009 Vice-Member, Member, Vice-Member and Member of Consistorium (the Highest Board of) of Helsinki University, 1992 >Vice-Dean of the Faculty of Education, with a period 1998-2000 as Dean, and then again Vice-Dean 2001-2003, and again Dean 2003-2003. Dean of Faculty of Behavioural Sciences, 2004-2006. Scientific Council, member, 2000-2003, and 2007-2009, 2010-2012.

Other Professional Activities

State Commission for the Reform of Curriculum in Primary and Secondary Education, Ministry of Education, one of the Secretaries 1974-1976.

Working Group for Reform of University Studies in Social Sciences, Ministry of Education, Member 1975-1978

Working Group for the University Studies in Psychology, Ministry of Education, Member 1978

Nordic Working Group on Technical and Educational Aids to Mentally Handicapped, Ministry of Social Welfare and Health, Member 1982-1985

Working Group of Aids to Mentally Handicapped, Ministry of Social Welfare and Health, Chairman, 1985, Leading Group of Research Programme for Home Services to People With Mental Handicaps, Ministry of Social Welfare and Health, Member, 1983-1985

Expert Commission for the Prevention of Developmental Disabilities, National Board of Social Welfare & National Board of Health, Member 1984-1988

Working Group for the Co-ordination of Services for Mentally Handicapped Pupils, National Board of Social Welfare, National Board of Education, Member 1986-1987,

Working Group of The Amelioration of the Reading and Writing Difficulties of Adults, Ministry of Education, Chairman 1992-1993, and the Chairman of the Follow-up Group 1994>1997,

Expert Group on High Ability, Working Team for the Finnish-Russian Collaboration, Ministry of Education/ National Board of Education, Member, 1995-1999,

Permanent Expert Advisor in Services for People with Handicaps and in Special Education to National Research and

Development Centre for Social Welfare and Health, since 1986-2002

EQUAL - National Commission for ESR National Funding, Member 2001>2009

Member of the Council of Educational Evaluation, 2003-2007 (two periods)

Member of the Council of Finnish Education Evaluation Centre (www.karvi.fi/eng), 2014-2018

Member of the Board of National Board of Education (Opetushallituksen johtokunta), 2006-2007.

Member of the Committee on Goals and Time-Plan of Gymnasium Education, 2012-2013

Member, Future of Finnish Basic Education, A Commission set by Ministry of Education and Culture 2017

Professional and Scientific Memberships and Duties

President of Finnish Psychological Society, Member 1970>, Member of the Board 1972>, President, Past-President of The Society 1993-2000, Vice-President 2000>, President again 2003 and still

International Society for the Study of Behavioural Development, Member 1993>

European Association for Research on Learning and Instruction, EARLI, Member 1991>

Research Society for Teaching in Mathematics and Science, Member 1990>,

European Council for High Ability, National Correspondent 1995>1999, member

Jean Piaget Society, Member, 2001>,

Society for Cognitive Psychology and Education, Member, 2001

Finnish Psychological Journal, *Psykologia*, Assistant Editor and/or Editor, 1980-1989,

Rehabilitation International, Educational Commission, Assistant Member and Member 1984-1987,

Rehabilitation International Finnish Committee, Assistant Secretary 1980-1987,

International Association for the Scientific Study of Mental Deficiency, Board Member 1985-1987,

Nordic Association for the Mentally Handicapped, Member of the Board and the Commission for Research 1985-1987;

The Society of Science Policy in Finland (TIEPO), Member of the Board 1980> in various positions, now Non-Active Last President,
The Expert Boards for Scientific Research of National Association for Hard-of-Hearing 1991>, and of Social Welfare 1987-1990,
Scientific Committee of the 3rd European Congress of Psychology, Chairman 1993,
The Scientific or Organizational Committees for the International Congresses of International Council on Social Welfare,
International Association for the Scientific Study of Intellectual Disabilities, World Association of Infant Mental Health, the 10th International Congress on Thinking,
The Ad Hoc Committee on Mission and Communication of International Association for the Scientific Study of Intellectual Disabilities 1993-1994,
The Test Commission of the Finnish Psychological Society, Member and Vice-chairman, 1985>, Chairman 1996>1998; Scientific Council of Psychologist, Expert Member, 2008-2010.
EU – learning to learn activities as a national or invited member of several expert groups within Brussels and CRELL /Ispra, Italy
Publication Forum of Federation of Finnish Learned Societies: Expert Panel for Education and Psychology (18), Chairman, 2010-2013, 2014-2016.

Editorial Boards of and Reviews for Journals

International Journal of Educational Policy, Research and Practice (since 2000),
High Ability Studies (since 2000),
Psykologia, Finnish Journal of Psychology (in various forms since 1972). Learning and Instruction, EARLI, 2006>
Reviews for Journal of Educational Psychology, Learning and Individual Differences, British Journal of Educational Psychology, Scandinavian Journal of Psychology, Scandinavian Journal of Educational Studies, Thinking Skills and Creativity

Educational Activities in Higher Education

Evaluations for Excellence in Higher Education 1997>
The External Evaluation of KIHU (National Centre for Research in Sports), Member, 1998.
The Evaluation of Psykonet - The National School for Education in Psychology in Finland (Chairman), 2000-2001;
The External Evaluation of Uppsala University, Member of the Helsinki University Evaluation Team, 2001;
The Evaluation of Helsinki University Teaching and Degrees (the advisory group for the evaluation exercise), 2000-2002.
The Evaluation of Competencies for Higher Education of Upper Secondary School Students, Finnish Education Evaluation Council 2011-2013.

External Expert for Professor Nominations

Professorship in Education, University of Jyväskylä, 1992
Professorship in Special Education, University of Joensuu, 1996 Professorship in Education, University of Helsinki, 1996 Professorship in Education, University of Helsinki, 2000.
Professorship in Psychology, University of Joensuu, 1999
Professorship in Psychology, University of Joensuu, 2000
Professorship in Developmental Psychology, University of Jyväskylä, 2000.
Professorship in Educational Psychology, University of Turku, 2002
Professorship in Special Education, University of Joensuu, 2003
Professorship in Education, University of Cyprus, 2003, 2009
Professorship in Special Education, University of Joensuu, 2006
Professorship in Special Education, University of Jyväskylä, 2007 Professorship in Special Education,

Åbo Akademi University, 2007 Professorship in Special Education, University of Oulu, 2008.
Professorship in Special Education, Åbo Akademi University, 2011.
Professorship in Special Education, University of Tartu, Estonia, 2011

Other Relevant Tasks

Expert for the Parliament of Finland, Commission for Educational Affairs since 1992
Expert Opinion on Educational Affairs for the President of Finland, Mrs. Tarja Halonen
Expert Opinions of Matters of Social Welfare, and on Matters of Education, for the National Board of Social Welfare, National Board of Education, and Ministry of Education
Evaluation of Grant Applications for Ministry of Education (Commission for the Studies in Sport), Academy of Finland, National Fond for Studies in Occupational Health, and for the Estonian Research Fond.

Major Present Research Activities

Case and Came in Finland - an intervention project for Cognitive Acceleration in Science Education, and Cognitive Acceleration in Math Education, with the support of major grants (200 000 euro) from Helsinki University and Academy of Finland, since 1996. In collaboration with King's College, London, Centre for Advancement of Thinking.

Early Mathematical Competency in Finland, Holland, China, Singapore and Hongkong, with a major grant (100 000 euro) from Helsinki University, 2002-2004. In collaboration with the Department of Special and General Education of Utrecht University, the National Centre for Educational Research of Singapore, The Chinese Academy of Sciences, Department of Psychology.

Socio-moral Competence and Developmental Modelling of Changes, in collaboration between Russia, the Netherlands and Finland - A joint research program for collaboration between Moscow State University and Helsinki University, with an annex agreement with Utrecht University to study the developmental processes in schooling, and especially the formation of sociomoral self-concepts in relation to ability and achievement formation, interpreted within Galperinian tradition. Within this project models are tested for the description of developmental changes, also applying the Dynamic Concept Analysis, and comparing Vygotskian, Piagetian and Galperinin interpretations.

Epidemiology of Learning - using data from Learning-to-Learn files and also from comprehensive, unpublished data from Helsinki City Special Education Services we intend to describe the different distributions of competencies and dysfunctions, and their epidemiological correlates (gender, social class, place-of-living) to provide The 'Geography' of Learning in Finland. *Pisa 2006 and 2015 Finland* – the data collection for Finland's participation in OECD's PISA 2006 Study. *PISA 2015 Collaborative Problem Solving in Finland*.

Centre for Educational Assessment, CEA, the responsible institution was established in 1996 to develop an instrument for measuring learning to learn as the foundation for lifelong learning. Today, CEA works in collaboration with schools and municipalities in the fields of educational assessment, research and development. The results of assessment are utilized for monitoring and further developing education in classrooms and at school and municipal level. Assessments implemented at different grade levels or at regular intervals offer the providers of education means to monitor educational effectiveness at municipal and national level.

Since the late 1990s, CEA has been active in transnational collaboration within the European Union for developing a common indicator for learning to learn. In 2006, the Council and the European Parliament adopted the recommendation on key competences for lifelong learning. Already in 2002, learning to learn was named as one of the eight key competences that each member state should provide for its citizens for the attainment of personal fulfillment and development, inclusion, and employability. Since that, collaboration between the European Commission (DG EAC and CRELL) and member states has led to the formulation of a European framework (Hoskins & Fredriksson 2008) and a prospective indicator for measuring learning to learn, pre-piloted in eight European countries in spring 2008. CEA was responsible for the analyses and reporting of the combined results through tender.

CEA was also responsible for the implementation of PISA 2006 in Finland. The results of PISA 2006 and other information on Finnish students' success in PISA are also available at the Finnish PISA 2006 pages. CEA is responsible for PISA 2015 Collaborative Problem Solving in Finland.

Today, the work of CEA covers a variety of issues related to educational research and development. Presently, the Centre is responsible for the developmental evaluation of municipalities' implementation of the new law regarding remedial and special education. The Centre also collaborates with the University of Tampere, the University of Helsinki Department of Geosciences and Geography (Urban Geography), the National Board of Education, and the National Institute of Health and Welfare in a large scale project on the educational outcomes and health of children in the differentiating Helsinki Metropolitan Area. Another larger collaborative project under work is a study regarding the Finnish matriculation exam.

CEA is an employer for 11 researchers, ICT experts and administrative personnel coordinating large-scale assessment studies. Total value of grants from 1996 is about 7 M€.