

## CURRICULUM VITAE

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Professor Emeritus  
Born on 22 April 1944 in Finland.



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University degrees: M.Sc. (Eng.) 1967, Ph.D. 1971, both from the Department of Electrical Engineering, Helsinki University of Technology.

Positions held: Oy Strömberg Ab, development engineer 1966-67, Helsinki University of Technology, research assistant 1967-70, Technical Research Centre of Finland, research engineer 1971-78, section leader 1979-84, appointed professor 1984, laboratory director 1984-1989, International Institute for Applied Systems Analysis, project leader 1989-1991, Technical Research Centre of Finland, laboratory director 1991-93, acting research director 1.1-31.3.1994, research professor in systems engineering 1.4.1994-31.1.2008. After his retirement prof. Wahlström has continued with consulting within his fields of specialization through his company Oy Bewas Ab. Research fellow at the Aalto University, School of Science, Department of Mathematics and Systems analysis 2015-present.

Specialization: Systems engineering, nuclear power, organisation and management, control and instrumentation, simulation, human factors, risk analysis, safety management, technology management.

Other duties: Varying teaching positions at the Helsinki and Tampere Universities of Technology. Varying positions and duties at different times in: Finnish Society of Automatic Control, Scandinavian Simulation Society, International Federation of Automatic Control, International Association for Computers and Mathematics in Simulation, Nordic Liaison Committee for Atomic Energy, Finnish advisory committee for atomic energy, International Atomic Energy Agency, OECD Nuclear Energy Agency, Finnish Nuclear Society, OECD Halden Reactor Project programme group, Finnish Scientific Advisory Board For Defence, Nordic nuclear safety research and Nordic energy research. Several IAEA expert missions.

Publications: More than 300 publications (in Finnish, Swedish or English) in the fields of systems engineering, simulation, control and instrumentation, nuclear power, control room design, human factors, organisation and management, risk analysis, safety management, technology management.

Management experience: Laboratory director, 80-140 subordinates (1984-1993). Acting research director, 250 subordinates (1994). Consulting in safety management at nuclear power plants in Finland and Sweden, 1995-present. Co-ordinator for the EU funded ORFA-project on organisational factors, 1998-1999; co-ordinator for the EU funded LearnSafe-project on organisational learning, 2001-2004. Activity manager for the Vattenfall Safety Management Institute 2006-2014.

Military rank: Senior Lieutenant in the reserve.

Honours and Awards: Fellow, Swedish Academy of Engineering Sciences in Finland (since 1986).  
First Automation Prize, Finnish Society of Automation, 12.5.1987.  
The Order of Finland's White Rose, knight of first class, 6.12.1992.  
Honorary member of the Finnish Society of Automation, 25.5.2009.  
Honorary member of the Swedish Academy of Engineering Sciences in Finland, 26.11.2011.