

Curriculum Vitae

Jarl-Thure **Eriksson**,
born November 5, 1944 in Hammarland, Åland,
PhD -82, Helsinki University of Technology (HUT)
Docent of Electromechanics -82, HUT



Employment summary

2010-2014	Chancellor, Åbo Akademi University
1997-2008	President, Tampere University of Technology (TUT)
1987-2008	Professor (electrical engineering), TUT
1985-86	Visiting professor, Royal Institute of Technology, Stockholm
1983-87	Associate professor, TUT
1980-83	Acting associate professor, TUT
1979	Acting associate professor, HUT
1974-75, 1978-79	Senior research fellow (Low Temperature Lab., HUT)
1970-1980	Research administrator, Laboratory of Electromechanics, HUT

Teaching areas: Circuit theory, electromagnetic fields, system and chaos theory.

Research areas: Superconductivity, electric machines for hybrid cars and wind turbines. Complex systems, system dynamics, artificial intelligence and theories of cognition.

Professional Memberships

- Dean, Department of Electrical Engineering, TUT, 1987-1990.
- Member, Board of Directors, TUT, 1987-90, 1994-97, chairman 1997-2008.
- Member, Academy of Finland, Committee of Science and Technology, 1995-97.
- President, The Swedish Academy for Technical Sciences in Finland, 2013-2019, member, Board of Directors, 1997-2006, vice president 2004-2006.
- Member and chairman, Governing Board, Tampere Technology Centre Hermia, 1993-1997, chairman 1997-2000.
- Member, Board of Directors, Tampere Technology Center Hermia, 2000-2008.
- Chairman, Industrial Research Fund at the TUT, 1997-2008.
- Member, Finnish Academy for Technical Sciences, 1989-.
- Member, Board of Directors, Technology Academy Finland (Millennium Technology Prize), 2003-2009, vice chairman 2013-2019.
- Chairman, Board of Directors, Foundation for Finnish Inventions, 2007-2010.
- Member, Board of Directors, FIMECC Finnish metals and engineering competence cluster, 2008-2010.
- Chairman of the International Selection Committee of the Millennium Technology Prize, 2011-2016 (Prizes 2012, 2014 and 2016)
- Chairman of The Council of the Finnish Academies of Sciences, 2018-2019

Recognitions

Commander of the Order of the Lion of Finland, 1998
The Tampere Price, 2006
Swedish Academy of Technical Sciences, silver medal, 2006
Finnish Chamber of Commerce Cross, 2008
Helsinki University of Technology Medal of Recognition, 2008

Miscellaneous scientific activities and memberships

- Member of the Organizing Committee of the Nordic symposium on Superconductivity, initiator and organizer of the first symposium in 1989.
- Finnish member in the OECD/IEA Expert Committee of the Implementing Agreement for the Co-operative Program for Assessing the Impacts of High Temperature Superconductivity on the Electric Power Sector@, 1989-1997.
- Finnish member in the Nordic Council for the Exchange of Students in Engineering (NORDTEK), 1992-94, 1997-2002, Chairman 2001-2002.
- Chairman of the International Organizing Committee, International Conference on Magnet Technology, 1993-95, conference host 1995.
- EU-research programs, evaluator of Brite.Euram applications in superconductivity, 1995.
- Member of the international steering committee of the EU/Brite-Euram undertaking Superconducting High Tc Coils for High Field Technologies@ 1997-99.
- Member of the CRE (Association of European Universities) institutional evaluation team 1998-2004 (Audits: Johannes Kepler University, Linz, Austria; University of Architecture, Venice, Italy; University of Medicine, Timisoara, Romania).
- Chairman, Steering Committee, Western Finland Alliance (WFA) Program for the Advancement of Innovative Services, 2003-2006.
- Chairman, Tampere Region Innovation Council, 2004-2006.
- Chairman, Steering Committee for the Tampere Region Innovation Strategy Planning, 2007-2008.
- Member, Steering Group, National Innovation Strategy, 2007-2008.
- Member, Steering Group, Scientific Assessment of the Aalto University, 2008-2009.
- Member of the Centre of Excellence evaluation group, Åbo Akademi University, 2009.

Publications:

Articles in edited books: 7

Technical and scientific papers: 82

Columns and articles in periodicals, speeches, etc. : ca. 140

Lecture notes outline series: 12

Invited talks: numerous

Popular articles

1. Chaos Theory and the Manageability of Complex Systems. Chapter in "How Do We Explore Our Futures?". Eds S. Heinonen, O. Kuusi, H. Salminen, 2017, pp. 64-91.
2. Iron and linen. The industrial history of Tampere. Tamperelainen 1998. (Finnish)
3. Technology as the generator of culture. Chapter in "Matkalla tulevaisuuteen", Finnish Science Days 1999. pp. 30-47. (Finnish)
4. Cut the branches of the tree of knowledge. Published in the periodical Tieteessä tapahtuu 2000/4, based on presentation at The Great Philosophy Event in Tampere, 2000. (Finnish)
5. Mind and technology. Article in Hufvudstadsbladet 2002. (Swedish)
6. Truth, body and religion. Key note speech at a Faculty of Theology seminar, Åbo Akademi University. 16.6.2010. (English)
7. Robbery raids and merchant voyages in the medieval Baltic sea. Net blog, Centrum Baltic 20.12.2012. (Finnish)
8. Engineering - crossing borders in science. Technology Academy Finland, net blog. January 2011. (English)
9. From bunsen burners to brain-mapping. Key note speech to British science journalists at the Embassy of Finland, London. 23.4.2013. (English)