

Personal details and date of CV

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- Date of CV: Nov 4, 2025

Degrees

Dr Tech (Helsinki University of Technology, 1991, Computer Science), **Lic Tech** (Helsinki University of Technology, 1984, Computer Science), **MSc Tech** (Helsinki University of Technology, 1981, Electrical Engineering), **secondary school graduate** (Helsingin Normaalilyseo, 1976).

Titles of Docent (Aduinct Professor): 1995, Computer Science, Helsinki University of Technology; 2004, Computer Science, University of Helsinki.

Current employment

2005-2025, Full Professor (emer.), Computer Science; 2016-2025, Director, Helsinki Centre for Digital Humanities (HELDIG), University of Helsinki (emer.).

Previous work experience

Academic: University of Helsinki, Department of Computer Science, professor, 1999-2004; Helsinki Institute for Information Technology (HIIT), Principal Scientist (part-time), 2002-2004; Helsinki University of Technology, assistant, researcher, special teacher, 1980-2004; VTT Technical Research Centre of Finland, Lab. for Information Processing, research scientist, senior research scientist, group manager 1987-1999; Electrotechnical Laboratory (ETL), Cognitive Science Section, Japan, Fellow of Science and Technology Agency, 1989-1990; University of Colorado Boulder, Visiting Scholar (Digital Humanities), 2015.

Industrial: Imatran Voima Oy (1977); Escher Wyss AG, Zürich, (1978); Automaatiotoimisto A. Hakala Ky (1978); Nokia Information Systems (1984-86); ITT, Standard Electric Puhelinteollisuus Oy (1987); Knowledge Engineering KE Ky (1985-); Artificial Intelligence Systems Oy (1986-1987); Delisoft Ltd (1997-2000).

Career breaks

Special military officer education, second lieutenant, (1986-87).

Research funding and grants

Acquired research funding worth several millions of euros from TEKES, Research Council of Finland, EU Horizon programmes, Science and Technology Agency Japan, collaborators, Nokia Ltd, and various Finnish foundations. Partial funding from 50+ companies, public organizations, and collaborating universities, such as University of Oxford and University of Arts in Helsinki, in research projects.

Research output

Published over 600 articles and books. Google Scholar h-index 44, 28 since 2020. Published tens of datasets and demonstrators that have had millions of end users on the Web.

Research supervision and leadership experience

Director of HELDIG – Helsinki Centre for Digital Humanities, (2016-); Vice head of Dept. of Media Technology, Aalto University (2010-2014); Director of the Semantic Computing Research Group (2002-); PI of several international EU and other projects (different times); National Representative in several EU COST activities (2014-), WG director in one; PI of several Finnish research projects (different times) worth millions of euros; Director of four (4) educational/research areas at the University of Helsinki, Dept. of Computer Science, 1999-2004; Member of the Board, Kumpula Science Library, 2001-2004; Managing Director of Delisoft Ltd, 1997-99; Group manager, VTT Information Technology, 1996

Teaching merits

Lecturer of various courses at the Helsinki University of Technology, University of Helsinki, and Aalto University. Industrial Teaching Experience: Dipoli, Palmenia Center for Continuing Education, Nokia NITECH, Hewlett-Packard Oy, NASEVA, INSKO. Invited speaker in tens of public and industrial occasions. Published several textbooks in Finnish and English and online learning materials.

Awards and honours

Best Paper Award, TEXT2KG workshop at ESWC, 2023; Aalto Scientific Communication Award, 2022; Best Paper Nominee, ISWC 2021; LODLAM Summit Challenge 2017, Open Data Prize, 2017; Best Paper Award, WHiSE 2016, at ESWC 2016; Open Data Finland Challenge Award, 2015; Apps4Finland – Doing Good with Open Data, 1. Prize, 2014; Apps4Finland – Doing Good with Open Data, 1. Prize, 2014; State Award for Public Information, 2014; Best paper, Sepublica 2014, at ESWC 2014; Outstanding Paper Award, Semantic Web Journal, 2012; Best Paper Award, EKAW 2012; IESD Challenge Award, 2012; World Summit Award (WSA), 2010; Apps4Finland – Doing Good with Open Data, 1. Prize, 2010; Semantic Web Challenge Award, 2008; Best Paper Nominee, ISWC 2006; Best poster paper award, ESWC 2004; Semantic Web Challenge Award; Prime Minister's Innovation Award; Nordic Digital Excellence in Museums (Nodem), 2004; Innovative Application, American Association for Artificial Intelligence (AAAI), 1999.

Other key academic merits

Opponent of dissertations: at VU University, Amsterdam, (2007, 2010, 2015), University of Edinburgh (2009), University of Linköping (2009), Royal Institute of Technology (KTH), Stockholm (2012), University of Rennes (2014), University of Bordeaux (2019), **Evaluator and advisor** of several MSc and PhD students/thesis at the University of Helsinki, Helsinki University of Technology, Tampere University of Technology. **Member of evaluation committees** for the title of docent and professorships at University of Helsinki, Aalto University, Jöngköping University. **Custos** of 9 dissertations in Aalto University, 2010-.

Member of editorial boards of journals: Semantic Web, 2009-; International Journal Semantic Web and Information Systems, 2014-; International Journal of Semantic Computing (IJSC), 2007-. International Journal of Metadata, Semantics and Ontologies (IJMSO), 2005-.

Guest editor of special issues of journals: Semantic Web, 2010, 2019, 2021; Journal of ASIST, 2021; Journal of Web Semantics, 2017; IEEE Intelligent Systems, 2009.

Referee for scientific publications: Semantic Web, International Journal of Metadata, Semantics and Ontologies (IJMSO), Computational Intelligence, European Journal of Information Systems. IEEE Intelligent Systems, Artificial Intelligence, The Journal of Logic Programming, North-Holland, Journal of Artificial Intelligence, Int. Journal of Interval Computations, Theoretical Computer Science (TCS), Journal of Universal Computer Science (JUCS), Interacting with Computers,

International Journal of Human-Computer Studies, IEEE Transactions on Knowledge and Data Engineering, Journal of Web Semantics.

Peer reviewer of funding applications in the Netherland (CATCH/CATCH Plus programmes), Ireland (DERI center), Austria, Slovenia, and Finland.

Keynote speaker in various international conference, such as: TPDL 2025; SKILLNET 2022; HOUSE Final Conference, 2022; DCMI 2021, Oct 4, 2021; National eScience Symposium 2019, Amsterdam; Linking the Past, 2019; ICEDIG 2018; Object Biographies, 2018; CDNL IFLA 2017; Golden Agents ; 2017; CEDAR 2016; NordLOD, 2014; JIST 2012.

Co-chair/PC member in tens of international conferences: WWW, ISWC; ESWC; EKAW, ICSC; LDK; Semantics, etc.

Member is academic international scientific committees: ECHOES project, ECCCH, Scientific Committee, 2024-; SwissBritNet: Swiss-British cultural exchange and knowledge networks 1600-1780, University of Basel, Switzerland, 2023-; EU Commission Expert Group on European Collaborative Cloud for Cultural Heritage (2021-2022); Cultural CHIST-ERA, Horizon 2020 Future and Emerging Technologies (FET), 2021-; The Sloane Lab: Looking back to build future shared collections, University College London (UCL), 2021-; Horizon Europe (HORIZON) – Expert group, RTD / Directorate-General for Research and Innovation, 2021-2022; Review Committee of Computer Science University Departments in the Netherlands, 2021-2022; Country representative of COST action: CA18209 - European network for Web-centred linguistic data science, Nexus Linguarum, 2019-; Europeana Foundation, various task force memberships, e.g., 2019-; Golden Agents programme, Huygens Institute, the Netherlands, 2017-; Legal Tech Lab, University of Helsinki, Faculty of Law, Helsinki, 2017-; Country representative, WG2 leader, COST Action IS1310 – Reassembling the republic of letters, 2015-2018; European University Association (EUA), Finnish Representative, Expert Group on Science 2.0/Open Data, 2015-; CATCH - A computer science research programme for continuous access to cultural heritage. The Netherlands, 2004-2016; Competence Centre in Electronics-, Info- and Communication Technologies ELIKO, Estonia, 2010-2014; Invited Expert of the W3C Library Linked Data (LOD) Incubator Group, 2011; Invited Expert of the Stanford Library Linked Data Work Group, 2011; Member of Scientific Review Panel, Free University of Berlin, Corporate Semantic Web Project, 2007-2010; Forschungsförderungsfonds für die gewerbliche Wirtschaft, Research, Innovation, Technology: Information Technology Programme (FIT-IT), 2004; Science Foundation Ireland, Digital Enterprise Research Institute (DERI) Evaluation Committee and Panel, National University of Galway, Ireland, 2002, 2003.

Scientific and societal impact

Active in Open Science and FAIR data movements. For example (cf. above): Several awards related to open data; PI of Linked Open Data part of FIN-CLARIAH research infrastructure with tens of open data and software publications with millions of end users; European University Association (EUA), Finnish Representative, Expert Group on Science 2.0/Open Data, 2015-.

Other

Decoration of Knight, First Class, Order of the White Rose of Finland, 2018; Norssi Alumni of the Year, 2017; Selected as one of “the 100 most important IT persons of the year in Finland”, Tietoviikko magazine, 2000