Ilkka Niemelä
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EDUCATION

Doctor of Science in Technology, Helsinki University of Technology, 1993
Licentiate of Science in Technology, Helsinki University of Technology, 1989
Master of Science in Technology, Helsinki University of Technology, 1987
Docent in Logic and its applications in computer science and engineering, Helsinki University of Technology, 1996

EMPLOYMENT

Current position

• President, Aalto University	2017-

Previous professional appointments:

• Provost, Aalto University	2014-2017
• Vice President for Research, Aalto University	2012-2014
• Dean, School of Science, Aalto University	2011-2012
• Chair of the Degree Program of Computer Science and Engineering, Aalto University	2008-2010
• Head of the Laboratory for Theoretical Computer Science, Helsinki University of Technology	2000-2007
• Professor of Computer Science, Aalto University, School of Science, Department of Computer Science	2000-
• Senior Fellow, Academy of Finland	1998-2000
• Acting Professor, Department of Computer Science and Engineering, Helsinki University of Technology	1998
• Junior Fellow, Academy of Finland	1992-1993, 1995-1997
• Senior assistant, Helsinki University of Technology	1989-1997

Visiting positions:

• Visiting Researcher, National ICT Australia, Knowledge Representation and Reasoning Program, Sydney, Australia	2006
• Researcher and Acting Professor, Fachbereich Informatik, Universität Koblenz-Landau, Germany	1995-1996
• International Fellow, SRI International, Artificial Intelligence Center, USA	1993

OTHER RECENT SERVICE

• Nordic University Association, Member of the Board	2024-2025
• Unite! University Alliance, University network for Innovation, Technology and Engineering, Vice President	2022-2025
• 12th International Academic Advisory Panel for Singapore Ministry of Education	2022
• Confederation of Finnish Industries (EK)s, Member of the Board	2020-2021
• Finnish Education Employers (Sivista), Chair of the Board	2020-2021

• Digivision 2030, Joint digitalization program of all Finnish Higher Education Institutions, Chair of the steering committee	2020-2024
• Finnish research infrastructure committee, Research Council of Finland, member	2019-2025
• Helsinki Metropolitan Smart & Clean foundation, Vice-Chair of the Supervisory Board	2018-2019
• Nordic Five Tech (N5T, alliance of the leading Nordic technical universities), Chair	2018-2019, 2023-2024
• Tongji University Board of Trustees, Aalto representative	2018-2019
• UNIFI (Finnish Council of University Rectors): Vice-Chair of the Board Chair of the Board UNIFI, Member of the Rector's council	2017-2018 2024-2025 2017-
• Member of the Council of CSC—Finnish IT Center for Science	2017-2018
• President of the Cluster network (a consortium of 12 elite European Universities in Science and Engineering)	2017-2018
• Millenium Technology Prize, pre-selection management group, member	2014-2020

MAJOR RECOGNITIONS

• 20 Year Test of Time Paper Award, International Conference on Logic Programming, for the article "Efficient Implementation of the Well-founded and Stable Model Semantics"	2016
• Knight, First Class, of the Order of the White Rose of Finland	2015
• Commander, First Class, of the Order of the Lion of Finland	2022

ACADEMIC MERITS

Scientific positions of trust

• EurAI (European Association for Artificial Intelligence) Fellow	2013
• Invited Member of the Finnish Academy of Science and Letters	2013
• Invited Member of the Finnish Academy of Technology	2011
• EurAI Fellows Committee	2015-
• Editor-in-Chief of Theory and Practice of Logic Programming	2010-2014
• Editorial board member of the Journal of Artificial Intelligence Research	2005-2011
• Editorial board member of Theory and Practice of Logic Programming	2005-2009, 2015-
• Steering Committee Member of the ESF Research Networking Program on Games for Design and Verification (GAMES)	2009-2013
• Management Committee Member of the COST Action IC0901: Rich-Model Toolkit - An Infrastructure for Reliable Computer System	2009-2013
• Steering Committee Member of WASP: European Working group on Answer Set Programming (funded by the European commission, FET "Future Emerging Technologies" initiative) and Leader of Work package 3: Language Extensions and Software Engineering for ASP	2002-2005
• Member of the Steering Committee of the International Workshops on Nonmonotonic Reasoning	2000-2008

• Member of the Steering Committee of the International Conferences on Logic Programming and Nonmonotonic Reasoning	2001-
• Member of the Steering Committee of the European Conference on Logics in Artificial Intelligence (JELIA)	2010-
• Member of the Executive Committee of the Association for Logic Programming	2005-2009

Refereeing - scientific journals

including ACM Transactions on Computational Logic, Annals of Mathematics and Artificial Intelligence, Artificial Intelligence, Communications of the ACM, Fundamenta Informaticae, IEEE Transactions on Knowledge and Data Engineering, Journal of Algorithms in Logic, Informatics and Cognition, Journal of Logic and Computation, Journal of Logic Programming, Theory and Practice of Logic Programming, Zentralblatt für Mathematik

Refereeing – research proposals

- Austrian Science Fund
- Deutsche Forschungsgemeinschaft
- European Science Foundation, Standing Committee for Physical & Engineering Sciences
- NICTA, Australia
- Swedish Research Council for Engineering Sciences

Major grants

• Academy of Finland, Finnish Centre of Excellence in Computational Inference Research (COIN), one of seven Principal Investigators	2012-2017
• Academy of Finland, Methods for Constructing and Solving Large Constraint Models (MCM)	2008-2011
• Academy of Finland, Symbolic Testing and Model Checking of Distributed Embedded Systems (StMcDes)	2009-2012
• Tekes - the Finnish Funding Agency for Technology and Innovation and companies, Lightweight formal Methods for distributed component-based Embedded systems (LIME)	2009-2011
• Ministry of Employment and Economy, Model-Based Safety Evaluation of Automation Systems (MODSAFE)	2007-2011

17 supervised doctoral thesis

Over 180 scientific publications