CURRICULUM VITAE

(short version, for more details see https://www.tuni.fi/fi/kalervo-jarvelin)

Name, date of birth, citizenship
Järvelin, Pentti <u>Kalervo</u>, Born on August 28, 1953, in Sulkava, Finland, Finnish citizen.

Current position, School, University of Tampere
Professor of Information Retrieval, School of Information Sciences, Univ. of Tampere, 1996 -.

Education and degrees awarded
- Doctor of Social Science, Univ. of Tampere, major in Information Studies, 1987.
- Licentiate of Philosophy, Univ. of Tampere, major in Computer Science, 1985.
- Master of Science, Univ. of Tampere, major in Computer Science, 1983.
- Master of Social Science, Univ. of Tampere, major in Library and Inform Science, 1978.

Most important previous positions
- Academy Professor, Academy of Finland (August 1, 2004 – July 31, 2009). Affiliated with the Department of Information Studies, University of Tampere. Visited Dept. of Computing Sciences, University of Glasgow, Scotland, August – December 2006. Visited the NICTA BioTALA project, Melbourne, Australia (November-December 2008).
- Visiting Professor of Information Retrieval (2001 - 2004), Oslo University College, Department of Journalism, Library and Information Studies, part time/six weeks per year.
- Senior Scientist, Academy of Finland (Research Council for Culture and Society), for the year August 1st, 2000 to July 31st, 2001, August 1st. Visited Dept. of Information Studies, University of Sheffield, UK, September 2000 – February 2001.
- Senior Scientist, Academy of Finland (Research Council for Culture and Society), for the year August 1st, 1994 to July 31st, 1995
- Senior Scientist, Academy of Finland (Research Council for Culture and Society), for the year August 1st, 1990 to July 31st, 1991.
- Associate Professor of Information Science, Department of Information Studies, University of Tampere, March 1st, 1988 to November 30th, 1996 (deputy 1985-88).

Most important research projects / grants acquired
- Academy of Finland (Council for Natural Sciences and Technology), 2011-2012, 471,000 Euros. (Project no. 140315). Responsible leader, member of application team.
- Academy of Finland (Council for Culture and Society), 2010-2013 500,000 Euros. (Project no. 133021). Responsible leader.
- Research Grant for Academy Professor,
- Academy of Finland (Council for Culture and Society), 2007-2009, 411,000 Euros. (Project no. 1209960). Responsible leader.
- Academy of Finland (Council for Culture and Society), 2004-2007, 570,000 Euros. (Project no. 1209960). Responsible leader.
- Academy of Finland (Councils for Natural Sciences and Engineering), 2004-2007, 160,000 Euros, (Project no. 1206568). Responsible leader, member of application team.
- TEKES, the Finnish Technology Development Center, 2003-2007, 97,000 + 30,000 + 64,000 Euros. (Project no. 40372/03). Responsible leader of subproject.
- Academy of Finland (Councils for Culture and Society, and Natural Sciences and Engineering), 2002-2004, 2.07 MFIM (0.35 MEuros). (Project no. 52894). Responsible leader, member of application team.
- EU 5th Framework project "Clarity", 2001-2003 1,750,000 Euros. University of Tampere a principal contractor in the project with the share 0.5 MEuros. Responsible leader for the UTA part, member of application team.
- Acad. of Finland (Council for Culture and Society), 2000-2001, Senior Scientist, Proj no. 49157.

Doctoral supervision and acting as opponent of a doctoral dissertation
I have supervised 18 doctoral degrees (all at the University of Tampere unless otherwise indicated, * indicates co-supervisor role, + secondary supervisor role):

Mrs. Mirja Iivonen (1995)	Mr. Kimmo Kettunen (2002-2007)
Mr. Vesa Suominen (1997, U. Oulu *)	Mr. Michael Preminger (2003-2008)
Mrs. Jaana Kekäläinen (1999)	Mr. Tuomas Talvensaari (2004-2008 +)
Mr. Ari Pirkola (1999)	Mrs. Eija Airio (2003-2009 *)
Mrs. Katriina Byström (1999 *)	Mr. Heikki Keskustalo (2005-2010 *)
Mr. Eero Sormunen (2000)	Mr. Preben Hansen (2001-2011)
Mrs. Riitta Alkula (2000)	Mrs. Sanna Kumpulainen (2007-2013)
Mr. Nils Pharo (2002)	Mr. Feza Baskaya (2010 – 2014)
Mrs. Turid Hedlund (2003)	Mr. Jyri Saarikoski (2010 -2014 +)
Mr. Kai Halttunen (2004)	Mrs. Miamaria Saastamoinen (2012-2017)
Mr. Krister Linden (2005, U. Helsinki+)	Mr. Kevin Ong (RMIT Melbourne, 2020 +).

I have been the formal assessor (external examiner/opponent) of the following ten PhD theses: Mr. Ruud van der Pol (U. Maastricht, NL, 2000); Mrs. Pia Borlund (Åbo Academy U., Finland, 2000); Mrs. Erica Cosijn (U. Pretoria, South Africa, 2003), Mr. Birger Larsen (Royal School of Librarianship and Information Science, Copenhagen, 2004), Mr. Bodo van Billerbeck (Royal Melbourne Institute of Technology, Australia, 2005), Mr. Jonathan Foster (U. Sheffield, UK, 2006), Mrs. Lili Aunimo (U. Helsinki, 2007), Mrs. Gabriella Kazai (Queen Mary Univ. of London, 2008), Mr. Juha Makkonen (U. Helsinki, 2009), Mr. Ville Turunen (Aalto U., 2012). Maya Sappelli (Radboud University, NL, 2016).

Awards, prizes and honours
- The Finnish Computer Science Dissertation Award 1986
- The ACM SIGIR 2000 Best Paper Award (http://www.acm.org/sigir/awards/awards.html)
- The ECIR 2008 Best Paper Award (http://ecir2008.dcs.gla.ac.uk/)
- IIiX 2010 Best Paper Award (http://www.iiix2010.org/)
- The Tony Kent Strix Award 2008 (in recognition of an outstanding contribution to the field of information retrieval; http://www.ukeig.org.uk/awards/tonykentstrix.html)
- Research in Information Science Award 2012, ASIS&T (American Society for Information Science and Technology, USA, see http://www.asis.org/awards/2012_winners.html)
- ACM SIGIR Gerard Salton Award 2018 for significant, sustained and continuing contributions to research in information retrieval (http://sigir.org/awards/gerard-salton-awards/).

Research visits abroad
- Visiting scholar, Dept. of Computing Sciences, Univ. of Glasgow, Scotland, 2006, 5 months.
- Visiting scholar, NICTA BioTALA project, Melbourne, Australia, 2008, 1.5 months.
- Visiting scholar, Dept. of Information Studies, Univ. of Sheffield, UK, 2000 –2001, 6 months.

Other academic merits
Assessments: Professorships at Åbo Akademi University, Finland; University of Oulu, Finland; Helsinki University of Technology; Högskolan i Borås University (Sweden), Royal School of Librarianship and Information Science (Copenhagen, Denmark); University of Sheffield, UK; University of Strathclyde, UK; Tenure decisions for University of Washington; The Pennsylvania State University; University of Massachusetts; Oslo University College, Norway. Several project reviews for various countries.

Associate Editor, "Information Processing and Management" (USA), 2008 – 2012, **Editorial Board member** 1990 – 2010.

Journal refereeing: Numerous reviewing assignments, including the journals ACM Transactions on Information Systems (USA); ACM Transactions on Internet Technology (USA); ACM Transactions on Asian Languages Information Processing; Data & Knowledge Engineering (USA); Foundations and Trends in Information Retrieval (USA); Information

Processing and Management (USA); Information Research (UK); Information Retrieval (USA); IEEE Transactions on Systems, Man and Cybernetics, Series A (USA); IJSEKE: International Journal of Software Engineering & Knowledge Engineering (USA); JASIST (USA); Journal of Discrete Algorithms; Journal of Documentation (UK); and Journal of Information Science (UK), LISR: Library and Information Science Research (USA).

Invited talks: Keynote address, ISIC 2004 Conference, Dublin, Ireland, Aug 2004; Thomson ISI Lazerow Lecture, iSchool, University of Washington, USA, Mar 2006; Keynote address at Australasian Document Computing Symposium, Hobart, Tasmania, Dec 2008; Keynote address at 16th SPIRE 2009 Conference, Saariselkä, Finland, Aug 2009; Keynote address, ISI 2011 Conference, Hildesheim, DE, Mar 2011; Keynote address, ECIR 2011 Conference, Dublin, Ireland, Apr 2011; ACM SIGIR 2018, Ann Arbor, USA, Jul 2018.

Conference organization: Among others, Conference Chair, 25th ACM SIGIR Conference, Tampere, Finland, Aug 2002; Program Co-Chair, 27th ACM SIGIR Conference, Sheffield, UK, Aug 2004; Program Co-Chair, 29th ACM SIGIR Conference, Seattle, USA, Aug 2006; Program Co-Chair, 37th ACM SIGIR Conference, Gold Coast, Australia, Jul 2014.

Publications
- total number of refereed articles in international/national journals: 99 (A1-A2)
- total number of refereed articles in conference proceedings: 101 (A4)
- total number of scientific monographs by international/national publisher: 1/5 (C1)
- total number of edited scientific books, journal special issues and conference proceedings by international/national publisher: 4/0 (C2)
- total number of other publications, incl. other scientific publications: 110 (A3,B,D,E)

Expert positions in society and other merits related to the societal impact research
- Vice Dean, School of Information Sciences, University of Tampere, 2011-2013.
- Member, Research Board, University of Tampere, 2011-2013.
- Tampere Graduate School for Information Sci. Eng. (TISE) board member 1995-2013.
- Ministry of Education, Finland, member of the Cttee for Cultural Industry, 1997 - 1999.
- Ministry of Education, Finland, member of the Committee on Information Supply for Education, Research and Culture, 1997 - 2000.
- Ministry of Education, Finland, member of the Cttee on Language Tech. Educ. (1999).

SELECTED PUBLICATIONS AND CITATION STATISTICS
H-Index: Web of Science (**WoS**): 24; citations 5068; Google Scholar (**GS**): 47; citations 18612.
1. Järvelin, K. & Kekäläinen, J. (2002). Cumulated Gain-based Evaluation of IR Techniques. ACM TOIS 20(4): 422-446. [WoS: 2500; GS: 5256]
2. Järvelin, K. & Kekäläinen, J. (2000). IR evaluation methods for retrieving highly relevant documents. In: Belkin, N. & Ingwersen, P. & Leong, M-K. (Eds.), Proc. 23th ACM SIGIR 2000. New York, NY: ACM Press, pp. 41-48. (Best Paper Award). [WoS: -; GS: 2067]
3. Ingwersen, P. & Järvelin, K. (2005). The Turn: Integration of Information Seeking and Retrieval in Context. Springer. ISBN 1-4020-3850-X [WoS: -; GS: 1693]
4. Byström, K. & Järvelin, K. (1995). Task Complexity Affects Information Seeking and Use. Information Proc. & Manag. 31(2): 191 – 213. [WoS: 404; GS: 1470]
5. Kekäläinen, J. & Järvelin, K. (2002). Using Graded Relevance Assessments in IR Evaluation. JASIST 53(13): 1120-1129. [WoS: 112; GS: 462]
6. Hansen, P. & Järvelin, K. (2005). Collaborative information retrieval in an information-intensive domain. Information Proc. & Manag. 41(5): 1101-1119. [WoS: 189; GS: 438]
7. Järvelin, K. & Ingwersen, P. (2004). Information Seeking Research Needs Extension toward Tasks and Technology Information Research, 10(1) paper 212. [WoS: 76; GS: 274]
8. Järvelin, K. & Wilson, T.D. (2003). On conceptual models for information seeking and retrieval research. Information Research, 9(1) paper 163. [WoS: 105; GS: 301]