CURRICULUM VITAE

Jan Lindström (Mr.)

Personal Information

- **Email**: jan.lindstrom@cs.helsinki.fi

Education

- PhD, University of Helsinki, February 2003. PhD thesis: Optimistic Concurrency Control Methods for Real-Time Database Systems, January 2003 (magna cum laude approbatur).

- Licentiate thesis: Optimistic Concurrency Control Methods for Real-Time Database Systems, May 2001 (magna cum laude approbatur).

- Master of Science in Computer Science, University of Helsinki, June 2000. Thesis: Experimental performance evaluation of RODAIN concurrency control and scheduling (eximia cum laude abbrobatur).

- Diploma in Systems Design (datanomi), Post-secondary Level, ATK-Instituutti, Helsinki, Finland, May 1993.

- Diploma in Business and Administration Accounting (merkonomi), Post-secondary Level, Espoo Business School, Finland, May 1989.

Work Experience

- Developing Mannager, solidDB Core Development, IBM Corporation, 08/2009 to present. First line manager of core development team of the solidDB database management system.

- Advisory Software Engineer, IBM Corporation, 06/2008 to 07/2009. Team leader of core development team of the solidDB database management system. Managed solidDB Cache for DB2/IDS and solidDB Universal Cache projects and participated design and implementation using C/Java.

- Senior R&D Engineer, Solid Information Technology, 05/2006 to 06/2008. Design and implementation of MySQL/solidDB features using C/C++. Team leader of MySQL development team.

- Senior Software Engineer, Innobase Oy, 6/2004–04/2006. Design and implementation of MySQL/InnoDB features using C/C++.

- Research Scientist, Helsinki Institute for Information Technology (HIIT), Advanced Research Unit (ARU), 8/2003–5/2004. Research on Context data management.

- Special Investigator, Finnish Natural History Museum, University of helsinki, Finland, 8/2002–07/2003. Logical and fysical database design and modelling for biodiversity database using Oracle, Microsoft SQL Server, and Microsoft Visio.

- Assistant, Department of Computer Science, University of Helsinki, Finland, 1/2000–7/2002. Research in concurrency control methods for real-time databases. Implementation of prototype real-time database system for telecommunications using C/C++.

- Researcher, Department of Computer Science, University of Helsinki, Finland, RODAIN project, 2/1998–12/1999. Research in concurrency control methods for real-time databases. Implementation of prototype real-time database system for telecommunications using C/C++.

- ADP designer, Ringing Centre, Natural History Museum, Helsinki, Finland, 1/1999–3/1999, 2/1998–3/1998, 11/1997, 6/1997–8/1997, and 9/1996–1/1997. Database software design and implementation using Oracle and FORTRAN.

- ADP designer, Finnish Tax Administration, Finland, 6/1996–9/1996 1/1992–8/1992, and 1/1995–8/1995. Database software design and implementation using Oracle and COBOL.

- Consultant, Project Directors Oy Prodictor, Finland, Jan. 1996. Database software design and implementation using Oracle and COBOL.

Special Skills

- **Languages**: Finnish (mother tongue), English (excellent), Swedish (intermediate).

- **Software**: COBOL, FORTRAN, C/C++, Java, PL/SQL, PL/1, Ada, AWK, Oracle, MySQL, solidDB

- **Hardware**: VAX/VMS, Unix (Linux, Solaris, DEC, HP/UX)

Research Interests

Transaction processing and concurrency control, physical data structures in databases, database design and programming languages. Author of the several scientific articles. Current list of published scientific papers can be found from http://www.cs.helsinki.fi/u/jplindst/pubs_full.html.

Membership in Professional Societies

Member in ACM since 1/1999 and in IEEE since 1/2000. Reviewer for Journal of Systems and Software since 2004.

Hobbies

Fantasy, science-fiction and horror books, jogging, and astronomy.