

# Curriculum Vitae

Elena Fersman  
(January 11, 2005)

## 1 Personal Data

**Date of Birth:** 30 July 1978  
**Address:** Skldungagatan 27, 3 tr,  
75335 Uppsala, Sweden  
**E-mail:** elenaf@it.uu.se  
**Web:** <http://user.it.uu.se/~elenaf/>  
**Phone:** +46 18 25 15 00  
**Mobile:** +46 736 94 37 15  
**Family:** Paul Pettersson, husband

## 2 Formal Education

**Doctor of Philosophy in Computer Science**, Uppsala University, Sweden, November 26, 2003. Thesis: *A Generic Approach to Schedulability Analysis of Real-Time Systems*. Advisor Professor Wang Yi.

**Master of Science in Computer Science**, St-Petersburg State Technical University, Russia, June, 2001.

**Master of Science in Economics and Management**, St-Petersburg State Technical University, Russia, June, 2001.

## 3 Professional Appointments

**December 2004 — present time: Research Engineer** at Ericsson AB, Research Department, New Technology Division, Lund, Sweden.

**November 2003 — October 2004: Post. Doc.** at Laboratoire Spcification et Vrification, Cachan, France.

**Summer 2001, Summer 2002: Lecturer** in Database Systems course, St-Petersburg State Technical University, St-Petersburg, Russia.

**September 1999 — November 2003: Ph.D. Student** (a position with 80% research and 20% teaching), Department of Information Technology, Uppsala University, Sweden.

## 4 Skills, Activities and Awards

**Programming Languages:** Java, C++, C, Delphi, Prolog, SQL.

**Operating Systems:** Linux/Unix, Windows.

**Methods:** Formal methods, Modeling, UML.

**Development work:** I have been involved in the development of three software tools for modeling, analysis and synthesis of embedded real-time systems: Uppaal ([www.uppaal.com](http://www.uppaal.com)), Times ([www.timestool.com](http://www.timestool.com)), and HCMC.

**Publications:** I have published 13 scientific papers (3 theses and 10 articles in international journals and conferences).

**Awards:** I co-authored the paper “TIMES - A Tool for Modelling and Implementation of Embedded Systems” that received the Best Tool Demo Award at the European Joint Conference on Theory and Practice of Software (ETAPS) 2002.

**Reviewer for Journals, Conferences and Workshops:** I have been reviewer for two international journals (Theoretical Computer Science and IEEE Transactions on Computers) and over 10 international conferences and workshops.

**Teaching:** I have been lecturer at a Database Systems course in 2001 and 2002 and a laboratory assistant at the following courses: Cryptology and Data Security, Computer Architecture, Database Systems, and Object-Oriented Programming with Java in the period 2000–2003 at Uppsala University.

**Languages:** Swedish, English, Russian.

**Other:** Have a drivers licence and own car.

**Interests:** I am interested in IT, especially work related to modeling, specification, analysis, and development of embedded real-time systems, communication systems, control systems, and computer systems in general.

## 5 Referees

**Wang Yi** Professor, Department of Information Technology, Uppsala University, P.O. Box 337, SE-751 05 Uppsala, Sweden. E-mail: [yi@it.uu.se](mailto:yi@it.uu.se). Phone: +46-18-4713110.

**Bengt Jonsson** Professor, Department of Information Technology, Uppsala University, P.O. Box 337, SE-751 05 Uppsala, Sweden. E-mail: [bengt@it.uu.se](mailto:bengt@it.uu.se). Phone: +46-18-4713157.

**Ivan Christoff** Head of the Division of Computer Systems, Department of Information Technology, Uppsala University, P.O. Box 337, SE-751 05 Uppsala, Sweden. E-mail: [ivan@it.uu.se](mailto:ivan@it.uu.se). Phone: +46-18-4713161.