

# Curriculum Vitae

Lena Strömbäck

## Academic background:

M Sc in Computer Science. (Fil. kand. på datavetenskaplig linje.) Linköping University. Graduated fall 1989.

Ph licentiate in Computer Science. Linköping university. Department of Computer and Information Science, Linköping University. Graduated spring 1992.

## Ph D degree:

1997, Computer Science,

Title: *User-defined constructions in Unification-based formalisms*,  
Linköping University. Department of Computer and Information Science,  
Supervisors: Lars Ahrenberg, Jan Maluszynski and Patrick Doherty

**Associate professor (Docentkompetens): 2008**

## Postdoctoral position:

Team leader, Nokia Home Communications, Linköping. April 2000- December 2001. This position involved responsibility and participation in Nokia's Research activities involving European Projects, Cooperations with Nokia Research Center and contacts with Universities.

## Current employment:

Swedish Meteorological and Hydrological Institute, 601 76 Norrköping, Sweden

## Previous employments:

Associate professor in Computer Science (Högskolelektor, Docent),  
Department of Computer and Information Science, Linköping University,  
January 2002 -, permanent position, Research 30%

Team leader, Nokia Home Communications, Linköping. April 2000- December 2001

Research Assistant. (Forskarassistent) Department of Computer and Information Science, Linköping University. January 1998 - April 2000

Assistant professor in Computational Linguistics (Högskolelektor) Department of Computer and Information Science, Linköping University. February 1997- December 1997.

Graduate Student. Linköping university. Department of Computer and Information Science, Linköping University. November 1989- January 1997.

Teaching assistant (amanuens). Linköping university. Department of Computer and Information Science, Linköping University. Spring 1989.

Teaching assistant of Computational Linguistics and Programming Courses. Department of Computer and Information Science, Linköping University. Occasional hours. 1988.

## Maternity leaves:

April 2000 – present, part time 25%, April 1999 – March 2000, full time, January 1997 – March 1999, part time 15%, August 1993 – September 1995, part time 25%, August 1992 – March 1993, full time

## Project grants:

Hybrid datalagring av XML för effektiv datahantering på webben. Swedish Research Council (2008 - 2010)

Efficient analysis and management of XML data. CENIIT Project 06.05 (2006 - 2011 )

Career grant, Linköping University (2009-2011)

NOT - Natural Science and Technology. Project aimed at comparing male and female students' experiences in computer educations. Linköping University. (1998 - 1999)

### **Research appointments:**

Best paper awards for papers in DBKDA 2009, 2010 and 2011.

Invited author for Proteomics, Briefings in Bioinformatics and Journal of Advances in Software.

Paper in BIOforum Europe appointed as one of best in 2007 and republished as one of the highlights of 2007.

Invitation as session organiser and author for Winter Simulation Conference 2006.

Invited speaker at the kickoff Meeting of the graduate schools "MuSAMA" and "dIEM oSiRiS". Rostock University, October 2006.

Invited speaker at the BioModels Training Camp, January 2007.

Invited Lecturer at Karolinska Institutet, November 2008.

Keynote speaker at The International Conference on Advances in Databases, Knowledge, and Data Applications, DBKDA 2009 and 2011

Program committee member for The First International Conference on Advances in Databases, Knowledge, and Data Applications DBKDA, from 2009, conference co advisor from 2010

Program committee member for 20th International Conference on Database and Expert Systems Applications – DEXA 2009, 2010 and 2011

Share it!, European Research Project IST-2000-28703, Aim of project was to investigate and set TV-Anytime standard for internet connection of set top boxes. Partners: Nokia, Philips, BBC, NOB, Elisa, FrH Focus, NDS and University of Ljubliana and Linköping University. Management of Linköping university's activities. (2002 – 2004)

MyTV, European Research Project IST-1999-11702, Aim of project is to investigate and set TV-Anytime standards for harddisc in set-top boxes. Partners: Nokia, Philips, BBC, NOB, RAI, University of Ljubliana. Management of Nokia Home Communications activities. (2001)

InHoMNet, European Research project IST-1999-00622, Aim of project was to investigate and implement HAVi networking. Partners: Nokia, Loewe, GMD Focus, Vienna Technical Institute. Management of Nokia's activities. (2001)

Voices at Home, research project in conjunction with Nokia Research Center. Coordinator for the project. (2001)

NOT - Natural Science and Technology. Project aimed at comparing male and female student's experiences in computer educations. Linköping University. Management of the project. (1998 - 1999)

Member of the program committee of the student session of EACL-95.

### **Thesis supervision**

Supervisor of over 40 masters theses in computer science at Linköping University.

Co-supervisor for Tommy Ellkvist (licentiate thesis) and Cécile Åberg (licentiate thesis)

Supervision of 2 industrial graduate students as main responsible from Nokia. (Aseel Berggren and David Jönsson) (During 2001)

### **Research Cooperation**

Juliana Freire, University of Utah, Linköping University, 2007 -

Dagmar Köhn, Rostock University, 2006 -

Patrick Lambrix, Linköping University, 2002 -

Nahid Shahmehri, Linköping University, 2000 -

John Morris, Philips Research Center, 2001 - 2004

Angela Scheller, Fraunhofer FOKUS, 2001 - 2004

Hans Marmolin, Nokia Home Communications, 2000 - 2002

Lars Ahrenberg, Linköping University, 1997 -1999

Arne Jönsson, Linköping University, 1997 - 1999