

Curriculum vitae

Ylva Bäcklund (maiden name: Lindén)

Born: October 14, 1960, in Västerås, Sweden.

Married, three children born 1989, 1990, 2001

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Present position

Head of dept for research, Office for Science and Technology, Uppsala University, since 2010-03-01

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Earlier positions

Programme Manager ICT, The Swedish Governmental Agency for Innovation Systems (VINNOVA)

2008-06-01 – 2010-02-28

Head of dept. dept. of Computer Science and Electronics, Mälardalen Univ.

2005-01-01 – 2007-12-31

Professor in Electronics, Mälardalen University, Västerås, Sweden.

1999-12-01 – 2008-05-31

Associate Prof. Dept of Materials Science, Uppsala University

1997-04-01 – 2002-12-31

Researcher, Dept of Materials Science, Uppsala University

1993-01-01 – 1997-03-31

PhD-student, Dept of Science and Technology, Uppsala University

1986-09-24 – 1992-12-31

Academic examinations

1996 Associate professor (Swedish: docent), Uppsala University

1992 PhD in Electronics, University of Uppsala

1990 Licentiate degree in electronics, University of Uppsala

1986 MSc in engineering physics, University of Uppsala

Title of PhD thesis

Silicon Micromachining– Methodological Aspects and Applications in Biomedical Pressure Sensors, Nov. 1992

Publications

Author and co-author of more than 80 scientific papers and conference contributions.

Patents

Three registered patents from collaboration with Ericsson.

Awards

Regional first prize winner Innovation Cup 1995, sponsored by Skandia and ”Dagens Industri”

Commissions

- Expert evaluator for funding programme at VINNOVA (Smart Electronics) April 2015
- Expert evaluator for funding programme at MISTRA (Mistra Innovation) 2012,-13, -15-16
- Expert evaluator for Marie Curie individual fellowships 2011, -13, -15
- Member of international evaluation panel for NOKUT - The Norwegian Agency for Quality Assurance in Education regarding accreditation of PhD education in Micro Systems Technology at Vestfold University College Fall 2009
- Expert evaluator for EU-programme “Eurostars” 2009-2016
- Expert evaluator for EU-programme “Ambient Assisted Living” 2008
- Member of the board for “Innovationsbron Uppsala” 2003-2007

- Member of a steering committee at Vinnova: "IT i hemsjukvård" 2002-2003
- Member of steering committee for "Gender Forum" at Mälardalens Högskola, Västerås, 2003-2006
- Member of the steering committee and organizer (2000) for "MME-conference, Micro Mechanics Europe" 1997-2000
- Referee/reviewer for International Journal IOPP (Institute of Physics Publishing Ltd, London) 1994-2000
- Public opponent for Doctors thesis twice at the Physics dept. University of Oslo.
- Opponent for one Doctors Thesis, University of Twente, The Netherlands
- Member of the PhD grading committee at approx. 25 disputations in Sweden
- Public opponent for numerous Licentiate theses in Sweden (Uppsala University, Royal inst. of Technology in Stockholm, Chalmers in Gothenburg and Linköping University).
- Official expert evaluator of judging competence at higher academic positions (Swe: "sakkunnig"), approx. 10 times
- Member of the faculty board at Mälardalen University 2001-2003

Graduated PhD-students under my supervision

16 PhD s graduated under my supervision, 2/3 have gone to industry and 1/3 to academy.

Summary of activities

My scientific work started within the Micromechanics group at the Electronics department, Uppsala University, under the supervision of Prof. Bertil Hök. My main field of research was to develop and characterize micro mechanical silicon sensors, mainly medical sensors. After the completion of my doctor's thesis my research was continued in the field of Micro System Technology. New PhD-students were appointed, now under my direct supervision. In May 1996 I received the degree of an associate professor (Swedish: docent). I was an active leader and supervisor within a graduate school called "Advanced Micro Engineering" supported by the Swedish foundation for strategic research (SSF) and I was at that time involved in 7 research projects. Applications for the projects were found in micro optics, medical sensors and space technology.

From December 1999 to May 2008, I was appointed as a professor in Electronics at the department of Electronics, Mälardalen University (MDH), Västerås, Sweden, with the specific task to build up the research and higher education at the department. The foci of the research at the department were sensor systems, measurement technology, electronic design, signal processing, and didactics in electronics with a research staff of about 10 faculty members and 12 PhD-students. We received funding from the Swedish Governmental Agency for Innovation Systems (VINNOVA), from the Knowledge foundation, and from the EU 6th framework program (a STREP-project).

Between June 2008 and February 2010, I was employed by VINNOVA, The Swedish Governmental Agency for Innovation Systems, as a Programme Manager within the Information and Communication Technology (ICT) area. I was responsible for national research programmes within ICT, as well as international cooperations and programmes. My main focus and responsibility at VINNOVA was components (hardware) for ICT systems, micro- and nano technology, embedded systems, and the innovation system within the ICT area.

Since March 2010 I am employed by the Office for Science and Technology at Uppsala University as an EU-project coordinator. In this role I am responsible for several EU-programs at the faculty of Science and Technology, giving service to the researchers in form of advice on EU-programs, knowledge of the EU rules but also "hands on" help with applications and management of EU-projects. Since April 2015 I am head of the research unit at the faculty office for Science and Technology. The unit has 10 employees of research officers and project coordinators with somewhat different focus but in summary we give support to researchers, teachers and university management regarding external research funding issues. In addition to giving support to grant applications we are a contact point for funding agencies to be effective in informing about calls and news.