

Curriculum Vita: Patrik Jansson, 1972-03-11

1. Higher education degree:

1995: B.Sc. + M.Sc. degrees in Eng. Physics + Eng. Mathematics. I graduated almost two years before schedule as the best student of my year.

2. Doctoral degree:

2000: Ph.D. degree in CS, *Functional Polytypic Programming*, Advisor: Johan Jeuring.

3. PostDoc and guest research:

1998, 1998, 2001: Research visits (2 + 2 + 3 months) to Northeastern University, Boston, USA; Oxford University Computing Lab, UK; Dept. of Computer Science, Yale, USA.

4. Qualification as Associate Professor:

2004: Docent (Associate Prof.) degree.

5. Current Employment:

2004–now: Assoc. Prof., Chalmers. Research 65% (2010).

6. Previous Employment and Education:

2001–2004: Ass. Prof. in CS, Chalmers.

1991–1992: Military service: Crypto analyst at the National Defence Radio Establishment (FRA). Hand picked (as one out of five per year in Sweden) for 15 months of special education in mathematics, statistics and cryptanalysis.

7. Interruptions in research:

2005–2008: Vice head of the CSE dept. On average 50% of full time / year for four years.

2002–2005: Director of studies of the CS dept. On average 35% / year for three years.

Parental leave with Julia (1999) and Erik (2004) for a total of one full time year.

8. Supervision experience:

I was PhD advisor of Ulf Norell (PhD 2007) and Nils Anders Danielsson (PhD 2007). With Norell I worked on generic programs and proofs and with Danielsson I worked on program correctness through types. Both Norell and Danielsson were immediately employed as PostDocs after their PhD (Norell here at Chalmers and Danielsson in Nottingham). I have supervised over 20 MSc and BSc project students.

I currently supervise the PhD students Jean-Philippe Bernardy (Lic. degree in 2009, expected PhD in 2012) and Cláudio Amaral (started March 2010).

I have been a member of the evaluation committee of three PhD defenses at Chalmers (H. Johansson, Physics (2010), M. Zalewski, CSE (2008), T. Gedell, CSE (2008)).

9. Awards, grants, etc.:

2009–2012: Co-applicant on “Software Design and Verification using Domain Specific Languages” funded with 11M SEK by the Swedish Science Council (VR, multi-project grant in strategic ICT).

2008–present: member of IFIP WG2.1 on Algorithmic Languages and Calculi

2003–2005: Main applicant on the project *Generic Functional Programs and Proofs* funded with 1.8M SEK by VR .

2003–2005: Co-applicant on *Cover — Combining Verification Methods in Software Development* funded with 8M SEK by the Swedish Foundation for Strategic Research.

1997–2004: Obtained travel grants (277k SEK in total) from several private foundations

1996: Received the John Ericsson medal for outstanding scholarship, Chalmers

1991: Represented Sweden in the International Mathematics Olympiad.

1991: Represented Sweden in the International Physics Olympiads.

1991: Winner of the Swedish National Physics Olympiad

Leadership experience:

2009: Head of steering group of Chalmers eScience Initiative.

2008–2010: Deputy project leader of the IMPACT project at Chalmers (“Development of Chalmers’ New Master’s Programmes”, 30M SEK).

2005–2008: Vice head of the CSE dept. responsible for the BSc and MSc education.

2002–2005: Director of Studies for the BSc and MSc education at the CS department

2002–2008: Member of the steering group of the department.

Future goal:

In the long term I want to lead a strong academic environment developing theories, programming languages, libraries and tools for advanced software technology in general and generic programming in particular. To achieve this I have to attract funding for new PhD students and PostDocs and I have to continue my close collaboration with the researchers which make up the excellent local research environment.