Curriculum Vitæ:
Patrik Jansson, 1972-03-11

1. Higher education degree:

1995: BSc+MSc degrees in Eng. Physics + Eng. Mathematics from Chalmers, Sweden. I graduated almost two years before schedule as the best student of my year.

2. Doctoral degree:

2000: Ph.D. degree in CS from Chalmers, Sweden, on *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 Assoc. Professor:

2004: Docent (Associate Prof.) degree from Chalmers, Sweden.

5. Current Employment:

2011–: Professor, Chalmers. Research 50%.

6. Prev. Employment and Education:

2004–2011: Assoc. Prof., Chalmers.

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

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), Nils Anders Danielsson (PhD 2007), Jean-Philippe Bernardy (PhD 2011). I worked on generic programs and proofs with Norell, on program correctness through types with Danielsson and parametricity for dependent types & testing with Bernardy. All three are still in academia.

I currently supervise the PhD student Jonas Duregård (started August 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)).

I have supervised over 20 MSc and BSc project students.

9. Awards, grants, etc.:

2012–2015: Main applicant on the project "Strongly Typed Libraries for Programs and Proofs" funded with **2.4M SEK** by Swedish Science Council (VR).

2011–2016: Co-applicant on "RAW FP: Productivity and Performance through Resource Aware Functional Programming" funded with **25M SEK** by the Swedish Foundation for Strategic Research (SSF).

2010–2013: Co-applicant and work-package leader in the Coordination Action "Global

Systems Dynamics and Policy" (GSDP) funded with **1.3M EUR** by the EU (ICT-2009.8.0 FET Open).

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 SSF.

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

1991: Represented Sweden in the International **Mathematics** Olympiad and the International **Physics** Olympiad.

1991: Won the Swedish National Physics Olympiad

Leadership experience:

2011-: Head of Programme in Computer Science and Engineering (Chalmers).

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.

Well-cited publications:

My Hirsch-index is **16** and the following papers are the most cited (Google Scholar).

P. Jansson and J. Jeuring. PolyP—a polytypic programming language extension. In *POPL'97: Principles of Programming Languages*, pages 470–482. ACM Press, 1997. Number of citations: **306**.

R. Backhouse, **P. Jansson**, J. Jeuring, and L. Meertens. Generic programming: An introduction. In *Advanced Functional Programming*, volume 1608 of *LNCS*, pages 28–115. Springer-Verlag, 1999. Number of citations: **182**.

J. Jeuring and **P. Jansson**. Polytypic programming. In J. Launchbury et al., editors, *Advanced Functional Programming '96*, volume 1129 of *LNCS*, pages 68–114. Springer-Verlag, 1996. Number of citations: **156**.

Marcin Benke, Peter Dybjer, and **Patrik Jansson**. Universes for generic programs and proofs in dependent type theory. *Nordic Journal of Computing*, 10(4):265–289, 2003. Number of citations: **58**.

Alexey Rodriguez, Johan Jeuring, **Patrik Jansson**, Alex Gerdes, Oleg Kiselyov, and Bruno C. d. S. Oliveira. Comparing libraries for generic programming in Haskell. In *Haskell'08*, pages 111–122. ACM, 2008 and in *SIGPLAN Not.*, 44(2):111–122, 2009. Number of citations: **53**.

Nils Anders Danielsson, John Hughes, **Patrik Jansson**, and Jeremy Gibbons. Fast and loose reasoning is morally correct. In *POPL'06*, pages 206–217. ACM Press, 2006 and in *SIGPLAN Not.*, 41(1):206–217, 2006. Number of citations: **47**.