Early achievements track-record

Note to non computer scientists   Conference articles in computer science are peer reviewed full articles — not 1–2 page abstracts, and are the "normal" form of refereed publication. The top conferences in each subfield (like *POPL* below) typically have the highest "impact factor" within that field. All articles listed below are selected for publication by a peer review process. Jansson is one of the top 8,000 most cited authors in computer science, from among 790000 authors tracked by CiteSeer (`http://citeseerx.ist.psu.edu/stats/authors`).

1. Publications as main-author

1. (0^1) P Jansson, J Jeuring et al. Testing properties of generic functions. In *Proceedings of IFL 2006*, vol. 4449 of *LNCS*, pages 218–234. Springer, 2007.

2. (**13**) P Jansson and J Jeuring. Polytypic data conversion programs. *Science of Computer Programming*, 43(1):35–75, 2002.

3. (5) P Jansson and J Jeuring. A framework for polytypic programming on terms, with an application to rewriting. In *Workshop on Generic Programming*. Utrecht University, 2000. UU-CS-2000-19.

4. (5) P Jansson and J Jeuring. Polytypic compact printing and parsing. In *European Symposium on Programming*, vol. 1576 of *LNCS*, pages 273–287. Springer, 1999.

5. (8) P Jansson and J Jeuring. Functional pearl: Polytypic unification. *Journal of Functional Programming*, 8(5):527–536, 1998.

6. (**11**) P Jansson and J Jeuring. PolyLib – a polytypic function library. Workshop on Generic Programming, Marstrand, June 1998.

7. (**128**) P Jansson and J Jeuring. PolyP — a polytypic programming language extension. In **POPL'97: ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages**, pages 470–482. ACM, 1997.

Other refereed publications

8. (0) A Rodriguez, J Jeuring, P Jansson et al. Comparing libraries for generic programming in Haskell. In *Haskell'08*, pages 111–122. ACM, 2008.

9. (0) *[2] J-P Bernardy, P Jansson, et al. A comparison of C++ concepts and Haskell type classes. In *Proc. ACM SIGPLAN Workshop on Generic Programming (WGP)*, pages 37–48. ACM, 2008.

10. (0) * S-C Mu, H-S Ko, and P Jansson. Algebra of programming using dependent types. In *Math. of Program Construction*, vol. 5133 of *LNCS*, pages 268–283. Springer, 2008.

---

[1](n) denotes the number of independent citations according to CiteSeer.
[2]* denotes contributions without my PhD advisor: J Jeuring.

11. (6) * N A Danielsson, J Gibbons, J Hughes, and P Jansson. Fast and loose reasoning is morally correct. In **_POPL'06: ACM SIGPLAN-SIGACT symposium on Principles of Programming Languages_**, pages 206–217, 2006.

12. (5) * N A Danielsson and P Jansson. Chasing bottoms — a case study in program verification in the presence of partial and infinite values. In _Math. of Program Construction_, vol. 3125 of _LNCS_, pages 85–109. Springer, 2004.

13. (4) * U Norell and P Jansson. Prototyping generic programming in template Haskell. In _Math. of Program Construction_, vol. 3125 of _LNCS_, pages 314–333. Springer, 2004.

14. (**17**) * M Benke, P Dybjer, and P Jansson. Universes for generic programs and proofs in dependent type theory. _Nordic Journal of Computing_, 10(4):265–289, 2003.

15. (7) * U Norell and P Jansson. Polytypic programming in Haskell. In _Implementation of Functional Languages_, vol. 3145 of _LNCS_, pages 168–184. Springer, 2004.

16. (**55**) R Backhouse, P Jansson et al. Generic programming: An introduction. In _Adv. Functional Programming_, vol. 1608 of _LNCS_, pages 28–115. Springer, 1999.

17. (**64**) J Jeuring and P Jansson. Polytypic programming. In _Adv. Functional Programming '96_, vol. 1129 of _LNCS_, pages 68–114. Springer, 1996.

Career breaks My first few publications from ten years ago are very well cited and my recent publication record is strong, but I have "holes" in the middle period (2001 and 2005 in particular). The explanation is that I have been on parental leave with Julia (born 1999) and Erik (born 2004) for a total of one full time year and that I have had a heavy admin. load.

Publicly available implementations   I have designed and implemented a compiler for the polytypic language PolyP, available from the Polytypic programming page `www.cs.chalmers.se/~patrikj/poly/` (1996–2004). I have also participated in the development of the dependently typed programming language Agda (lead developer U Norell). Implementation available from Google Code: `http://code.google.com/p/agda/`, 2008.

4. Presentations at international conferences

All the above (14) conference and workshop publications have been presented orally, some by me and some by my co-authors. In addition I have had invited presentations at the Workshop on Generic Programming, at the Potsdam Institute for Climate Impact Research (PIK) and at several meetings of the IFIP WG 2.1 on Algorithmic Languages and Calculi.

6. Organization of international conferences

2009: Programme committee chair of _Workshop on Generic Programming_
2008: On the programme committee of _Workshop on Generic Programming_
2001: On the programme committee of _Haskell Workshop._
2000: On the programme committee of _Workshop on Generic Programming._
1998: On the organising committee of _Mathematics of Program Construction._