Curriculum vitæ

Johan Boye

Born:
January 9th, 1966 (in Stockholm).

Current affiliation:
Department of Computer and Information Science
Linköping University
S-581 83 Linköping
Phone: +46 13 282694
Fax: +46 13 282666
Internet: johbo@ida.liu.se

Private address:
Götgatan 17c
582 31 Linköping
Phone: +46 13 134906

Education:
1996 Ph.D. in Computer Science (at Linköping University)
1993 Ph.Lic in Computer Science (at Linköping University)
1991 M.Sc in Computer Science (at Linköping University)
1984–85 Mathematics curriculum, first year (at Stockholm University)

Visiting Appointments:
June–December 1990 Visiting Scholar, INRIA Rocquencourt (Paris, France).

Employments:
1991–96 Graduate student, Linköping University
1985–86 Military service
1983–84 Programmer and Technical service personnel at Kjessler & Mannerstråle AB, Stockholm.

Refereed Publications:

1. J. Boye and J. Małuszyński. Directional types and the annotation method. To appear in the *Journal of logic programming*.
2. J. Boye and J. Małuszyński. Two aspects of directional types. In *Logic programming — Proceedings of the 12th international conference*, Kanagawa (Japan), pp. 747–761. The MIT Press, 1995.

3. J. Boye, J. Paakki and J. Małuszyński. Synthesis of Directionality Information for Functional Logic Programs. In *Proceedings of the international workshop on static analysis (WSA'93)*, Padova, pp. 165–177. LNCS 724, Springer-Verlag, 1993.
4. J. Boye. Avoiding Dynamic Delays in Functional Logic Programs. In *Proceedings of the 5th international symposium on Programming language implementation and logic programming*, Tallinn, pp. 12–27. LNCS 714, Springer-Verlag, 1993.
5. J. Małuszyński, S. Bonnier, J. Boye, F. Kluźniak, A. Kågedal and U. Nilsson. Logic Programs with External Procedures. In Apt, de Bakker, Rutten (eds.) *Logic programming languages: Constraints, functions and objects*, pp. 21–48. The MIT Press, 1993.
6. J. Boye. S-SLD-resolution – an Operational Semantics for Logic Programs with External Procedures. In *Proceedings of the 3rd international symposium on Programming language implementation and logic programming*, Passau, pp. 383–393. LNCS 528, Springer-Verlag, 1991.

Theses:

1. J. Boye. *Directional Types in Logic Programming*. Ph.D. Dissertation no. 437, Linköping University, 1996. ISBN 91-7871-725-6.
2. J. Boye. *Dependency-based Groundness Analysis of Functional Logic Programs*, Ph.Lic Thesis no 398, Linköping University, 1993. ISBN 91-7871-169-X.
3. J. Boye. *Operational Completeness of Logic Programs with External Procedures*. Master's Thesis no LiTH-IDA-Ex-9104, Dept. of Computer and Information Science, Linköping University, 1991.

Teaching:

Lecturer in

- **1992/93, 93/94, 94/95**
  Formal Languages and Automata Theory
- **1991/92, 92/93, 93/94, 94/95**
  Term Rewriting and related topics

Guest lecturer in Formal Languages at Umeå University (1992).
Teaching assistant in

- **1991/92** Abstract Algebra
- **1991/92** Formal Languages and Automata Theory
- **1989/90, 90/91** Denotational Semantics
- **1988/89, 89/90** Discrete Mathematics
- **1988/89** Artificial Intelligence

- **1988/89** Pascal Programming

Awards:

1992 The "Golden Carrot" award (annual nomination from the student body of Linköping Technical University for the best teacher of the year). Grant SEK 10.000.

Commissions of trust:

1991–95 Responsible for the "Theoretical Computer Science" profile of the Computer Science Curriculum.
1988–89 Chairman of the Computer Science student body.
1987–88 Vice Chairman of the Computer Science student body.

Other activities:

Supervisor of two master's theses:

- Fredrik Eklund. *Synthesis of directionality information for GAPLog programs.* Master's thesis LiTH-IDA-Ex-9418, Linköping university, 1994.
- Leif Nixon. *A directional type checker for Prolog.* Master's thesis LiTH-IDA-Ex-9602, Linköping university, 1996.