

Curriculum Vitæ

Ronnie Johansson

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1 Personal Details

Given Names	Lars Ronnie Mikael
Last Name	Johansson
Year of Birth	1975
Gender	Male
Nationality	Swedish
Current Address	Nybohovsbacken 68 SE-117 64 STOCKHOLM SWEDEN
E-mail	ronnie.johansson@foi.se
Homepage	http://www.his.se/joso
Work Phone	+46-8-5550-3566 (FOI) +46-500-448829 (HS)
Cellular Phone	+46-703-677096
Fax	+46-8-5550-3700



2 Education

The Royal Institute of Technology (KTH), Stockholm, Sweden

2001-04 – 2006-04

Doctor course in Computer Science

Doctoral Thesis: “[Large-scale information acquisition for data and information fusion](#)”; Defended on April 7th 2006. TRITA-CSC-A 2006:2, ISSN-1653-5723, ISRN-KTH/CSC/A-06/2-SE, ISBN 91-7178-300-8, March 2006.

Licentiate Thesis: “[Information acquisition in data fusion systems](#)”; Defended on December 18th 2003. TRITA-NA-0328, ISSN 0348-2952, ISRN KTH/NA/R-03/28-SE, ISBN 91-7283-655-5, November 2003.

The Royal Institute of Technology (KTH), Stockholm, Sweden

1995-09 – 2001-04

Master of Science program, Computer Science

Specialisation: Autonomous systems

Master’s thesis: “[Intelligent motion planning of a multi-robot system](#)”, TRITA-NA-0133; performed at *The Institute of Physical and Chemical Research (RIKEN)*, Saitama, Japan

The Royal Institute of Technology (KTH), Stockholm, Sweden

1994-08 – 1995-06

Supplementary training in science

Main subjects: Maths, Physics, Chemistry

Brännkyrka Gymnasium, Stockholm, Sweden

1991-08 – 1994-06

Upper secondary school

Economics studies with technical specialisation

Subjects of importance: Business economics, material mechanics, digital electronics

3 Employment

Swedish Defence Research Agency,

Totalförsvarets forskningsinstitut (FOI), Sweden

Apr 2010 – Present

Senior scientist

School of Humanities and Informatics, Skövde University (HS), Sweden

Jan 2008 – Present

Post doc (*sv: forskarassistent*) in the Information Fusion research program.

May 2006 – Jan 2008

Project employment in the Information Fusion research program.

Nada, KTH, Stockholm, Sweden

Apr 2001 – Apr 2006

PhD studies containing research (information fusion), studies and teaching (C++, Java, and general software development). The research was funded by the Swedish Defence Research Agency (FOI).

SCA, Stockholm, Sweden

Dec 1999 – Mar 2000

Independent work with GIS (Geographic Information System). Evaluation of GIS tools. Development of GIS services for WinNT web server using PERL and the GIS tool MapInfo.

Telia Research AB, Stockholm, Sweden

Jun – Aug 1998

Work in UNIX (Solaris) and WinNT environments. Configuration of Apache web server. Development, conversion and integration of shell scripts along with programming of PERL scripts. Development of a FTP client in Java.

EssNet AB, Stockholm, Sweden

Jun – Aug 1997

Work with the CASE-tool System Architect and programming of macros for MS Word.

Ericsson, Stockholm, Sweden

Jun – Jul 1996

Web content and development

4 Selected Publications

- Johansson, R., Boström, H., and Karlsson, A., "A Study on Class-Specifically Discounted Belief for Ensemble Classifiers", Proceedings of the IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems (MFI), 2008, pp. 614-619.
- Johansson, R., Suzic, R., "Particle filter-based information acquisition for robust plan recognition", Proceedings of the eighth international conference on information fusion, Philadelphia, USA, July 25 - July 29, 2005.
- Johansson, R., Xiong, N., "Perception Management - an emerging concept for information fusion", *Information Fusion*, Vol. 4, No. 3, Elsevier, pp. 231-234, 2003.

5 Research related duties

- Co-responsible for bi-weekly research program meetings 2007-2009
- Program co-chair for the SWIFT workshop at the University of Skövde, 2007, 2008, and general chair 2009
<http://www.his.se/infofusion/swift2009>
- Session chair at Information Fusion conference Fusion (2008) and Multisensor fusion and integration conference MFI (2008).
- Reviewer for the international conference on information fusion (2009-2007, 2005); the international conference on robotics and automation ICRA (2005); the international conference on multisensor fusion and integration - MFI (2008)

6 Teaching and Related Activities

- Primary supervisor for PhD student Alexander Karlsson (University of Skövde) from 2007 until graduation in October 2010.
- One of two responsible for the one-year Master program in Information Fusion and in the development of a two-year Master program in Information Fusion (2008).
- Course leader, Computer-based uncertainty management, PhD course, University of Skövde, 2007
- Course leader, Advanced topics in information fusion, PhD course, University of Skövde, 2006, 2009-2010

- Course leader, Information Fusion course, Advanced level and PhD course, University of Skövde, 2006-2010
- Course administrator, C++ course, KTH, 2002/03 and 2003/04. Course leader: Johnny Bigert
- Class room teaching, C++ course, KTH, 2002/03 and 2003/04. Course leader: Johnny Bigert
- Course assistant, KTH, spring 2002. Responsible for the examination of 60 students. Course leader: Joel Brynielsson
- Seminar assistant KTH, autumn 2001. Course leader: Frank Hoffmann

7 Skills

7.1 Computer Skills

7.1.1 Operating Systems

Familiar with Windows, Linux, Solaris/SunOS, MS-DOS, AmigaOS.

7.1.2 Programming Languages

Type	Languages
Object oriented	C++, Java, SmallTalk
Imperative	C, Pascal, Basic clones
Functional	Scheme, Erlang
Descriptive	Prolog
Parallel	Concurrent C
Script	UNIX shell, PERL, (C J)Python
Maths	Matlab
Database	SQL
Hardware	68k Assembler

7.2 Language Skills

Swedish

Mother tongue

English

Excellent spoken, very well written

9 years

German

Well spoken and written

6 years and technical German university course

Japanese

Basic knowledge written and spoken

Basic course, 6-month-stay including conversation course

8 Other

8.1 Grants and Funding (individual application)

Foundation	Purpose	Awarded	Amount
Wenner-Gren foundations	For visiting lecturer	2007	€750

8.2 Grants and Funding (joint application)

Foundation	Purpose	Awarded	Amount
Vetenskapsrådet and Sida	For research exchange with China and India	2007	SEK 450,000
KK foundation	For development of Master program w. industry	2007	SEK 483,000

8.3 Scholarships

Foundation	Qualification	Awarded
KTH funds	Grades	1998-2000
Sweden-Japan Foundation	Research in Japan	Jan 2000
Henrik Göransson's i Sandviken Scholarship	Grades and focus of studies	Aug 1999

8.4 Awards

One of three best projects

Member of group which won the award “One of three best projects” in the KTH course “Program Development Project” in 1998. The title of the project was “A Computational Model for Origami”.

<http://www.nada.kth.se/projects/prup98/origami/>

8.5 Extracurricular Activities

KTH student organisation (THS)

Team leader at work fair (ARMADA), 1999

Election observer (1998-1999)

Member of student council (1997-1998)

Student safety officer (1997-1998)

School of Computer Science study trip

Sep 1998 – Jul 1999

Responsible for courses and seminars, member of trip organisation committee

9 References

On request