

CURRICULUM VITÆ OF CHARLOTTA JOHNSON

As of 2009-05

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Personal Data

Full name: Inger **Charlotta** Johnsson (female)
Born: Trollhättan, Sweden, September 6th, 1970
Citizenship: Swedish
Civil Status: Married to Hans Nilsson;

Daughter Josefine Johnsson, born January 1999;
Daughter Emelie Johnsson, born September 2001.
Son Samuel Johnsson, born March 20, 2007.

Current position: Associate Professor (lektor), Dept. of Automatic Control, LTH, Lund University

Education

Ph.D. in Automatic Control, Lund University, Sweden, March 25, 1999.
Title: A Graphical Language for Batch Control
Advisor: Associate Professor Karl-Erik Årzen

Teknologie Licentiate in Automatic Control, Lund University, Sweden, June 6, 1997.
Title: Recipe-Based Batch Control Using High-Level Grafchart.

M.Sc. in Electrical Engineering, Lund University, Sweden, August 1993.

Erasmus Student (exchange student) at Institut National Polytechnique de Grenoble, France, 1992 – 1993.

Work Experience

Employment

Lund University, Sweden

Program Leader (programledare) Technology Management, Lund University, Sweden.
January 2009 - present.

As the Program leader for Technology Management I am responsible for the 2 year educational program called Technology Management. The work consists of organizing courses, managing students, taking care of economics etc.

Lund University, Sweden

Associate Professor (universitetslektor), Department of Automatic Control, LTH, Lund University, Sweden.

February 2007 - present.

The work as Associate Professor consists mainly of performing your own research, but you should also guide and lead graduate and master students, as well as teach master students. My research is focused on Graphical Languages, Manufacturing Operations Systems, Batch Control, and High Level Coordination of Control and Supervisory Systems.

Lund University, Sweden

Senior Research Associate, Department of Automatic Control, LTH, Lund University, Sweden.

February 2004 – February 2007.

The work as a Research Associate consists mainly of performing your own research, but you should also guide and lead graduate and master students, as well as teach master students. My research is focused on Graphical Languages, Manufacturing Operations Systems, Batch Control, and High Level Coordination of Control and Supervisory Systems.

Siemens Orsi Automation S.p.A, Genoa, ITALY

Product Manager SIMATIC IT XBatch and "standardizations reference person",
October 2002 – February 2004

The work as a Product Manager for SIMATIC IT XBatch consists of being responsible for the product, e.g., finding and, from a functional point of view evaluating new concepts, keeping track of competitors, coordinating the releases of SIMATIC IT XBatch, aligning the products with developments made in other SIMATIC IT products. The work as the "standardizations reference person" consists of actively participating at IEC, ISO and ISA meetings presenting Siemens' and Italy's input to standards under development. This work also consists of working actively with the products in the SIMATIC IT portfolio in order to align them with standard directions, a large portion of this is education of engineers building the products, and consultants implementing applications using the products.

System Architect XBatch and "ISA S88 and S95 reference person",
January 2001 – October 2002.

(Orsi Automazione S.p.A was bought by Siemens, January 2001)

The work as a System Architect for XBatch consists of being responsible for the product, e.g., finding and evaluating new concepts, keeping track of competitors, coordinating the development of Cube XBatch. The work as the ISA reference person for the standards S88 and S95 consists of actively participating at ISA meetings, and aligning our products with the standards.

Orsi Automazione S.p.A, Genoa, ITALY

System Architect Cube XBatch

March 2000 – January 2001.

The work as a System Architect for Cube XBatch consists of being responsible for the product, e.g., finding and evaluating new concepts, keeping track of competitors, coordinating the development of Cube XBatch.

Lund University

Ph.D. student at Department of Automatic Control.

August 1993 – March 1999.

The Ph.D. work consisted of: 1) performing research, 2) following Ph.D. courses, 3) being a teaching assistant and teaching master students in various control courses such as Basic Control Theory, Computer Controlled Systems, Identification, etc.

Lund University

Teaching assistant at Department of Electromagnetic theory from fall 1991 to spring 1992

Course: Basic Circuit Theory

Various summer positions:

- Volvo Aero (summer of 1988, 1989, 1990)
The work included soldering, learning and using CAD programs, and practical work as an electrician.
- Edet AB (summer of 1991)
Worked at a paper mill.
- Ericsson Radar (summer of 1992)
Construction of a computer program simulating radar range for aircrafts.

Project related employments

Lund University

Developed and taught a course in control for a consultant company in Sweden, fall 1999.

Language Skills

- Swedish (native)
Born and brought up in Sweden
- English (fluent)
Studied English in School. Encounter English in my daily work.
- Italian (good)
Lived and worked in Italy for 4.5 years. Took Italian lessons in year 2000.
- French (good)
Studied French in school, took French lessons in France summer -91 and 92,
Exchange student in France (Ecole National Polytechnique de grenoble) for one (1) year.
- German (initial)
Took some German lessons in 2001.

Teaching Skills

Many years experience in teaching undergraduate and graduate students as well as industry representatives. Experience in both semester courses as well as day-seminars. Experience of group sizes from 3-4 attendees to 200 attendees.

Other Professional Activities

WBF

"WBF - The Forum for Automation and Manufacturing Professionals, is a non-profit professional organization promoting the exchange of information related to the management, operation and automation of batch process manufacturing.

WBF is an association of end-users, vendors, consultants and academics with a strict, non-commercial agenda."

Boardmember, April 2005 – present

- Parliamentarian April 2005 – June 2006
- Treasurer, June 2006 – June 2008
- Trustee, June 2008 - present

Director of European Operations, April 2004 – present.

- Leading the European group of WBF, currently consisting of around 10 persons
- Arranging the WBF EU conference taking place every second year somewhere in Europe.

Director of the Educational Committee, April 2001 – April 2004.

- Lead the Educational Committee of WBF, consisting of approx 12 persons.
- Responsible for WBF's web-seminar serie (a 1 hour web seminar per month).
- Arranged with the generation and the publication of a series of whitepapers (8 papers) about batch/S88.

Conference co-chair, WBF EU'04 – a 2 ½ days conference with 140 attendees held in Belgium in October 2004.

Conference chair, WBF EU'06 – a 2 ½ days conference with 150 attendees held in Belgium in Nov 2006.

Conference chair, WBF'08 – a 2 ½ days conference with 195 attendees held in Barcelona, Spain, Nov 2008.

ISA

"ISA, founded in 1945, is a leading, global, nonprofit organization that is setting the standard for automation. ISA develops standards; certifies industry professionals; provides education and training; publishes books and technical articles; and hosts a yearly conference and exhibition for automation professionals."

Chairman of the Educational Committee within ISA District 12 (Europe/ Russia/ Middle East/ Africa), January 2004 – present.

Voting member ISA S95 Committee, August 2001 - present.

Member in ISA S95 committee, January 2001 – present.

Member in ISA S88 committee, January 2004 – present.

Member in ISA S99 committee, January 2004 – present.

Standardization bodies

There are various standardization bodies in the world,

- IEC (International Electrotechnical Commission) is the leading global organization that prepares and publishes international standards for all electrical, electronic and related technologies. These serve as a basis for national standardization.
- ISO (International Organization for Standardization) is a network of the national standards institutes.

ISO/IEC JWG5 (Joint Working Group) member, February 2002 – present.

Member in SEK (Svenska Elektrotekniska Kommitten), February 2004 – present.

Member in ISA Sweden, February 2004 – present.

Member in SIS (Svenska Standardiserings institutionen), October 2005-present

Member in CEI (Comitato Elettrotecnico Italiano), January 2003 – February 2004.

International experience

I visited Laboratoire d'Automatique de Grenoble, Ecole Nationale Supérieure D'Ingenieur Electriciens de Grenoble, Grenoble, France, during three weeks in March 1997. I worked for Professor Rene David and Professor Hassane Alla.

I visited Laboratory of Intelligent Process, Department of Chemical Engineering, Purdue University, West Lafayette IN, USA, March – June 1995. I worked for Professor Venkat Venkatasubramanian.

Project title: Automating Operating Procedure Synthesis for Batch Processes.

I completed my M.Sc. education by spending one year as an exchange student at Institut National Polytechnique de Grenoble, Grenoble, France, 1992 – 1993. All studies were done in French.

I did my master thesis at Institut National Polytechnique de Grenoble, Grenoble, France,
March – June 1993.

Advisors: Professor Rene David and Professor Hassane Alla.

Title: Asymptotique Continuous Petri nets

The master thesis was written in French. The presentation was done in French, English and Swedish.

Honors

I received Trollhättans shoolarship 1996.

I received Knut and Alice Wallenbergs scholarship for newly Ph.D graduated women, 2001.

Miscellaneous

About me

I love to be with my family; my husband and our three kids.

I also like to be physically active, and when time permits, I run and I do aerobics.

In wintertime I ski, both downhill and cross country.

When I was younger I did a lot of gymnastics and I was also responsible for a training of a group of younger girls (1986 – 1989).

I have a swimming training certificate.
I performed French language studies, summer -91, summer -92 and fall -92.
I performed Italian language studies, fall -00 and spring -01.
I performed German language studies, spring -01
I am interested in other cultures and I like to travel and visit different countries.

References

For additional questions and information about me, I would like to refer to

- Maurice Wilkins – chairman WBF, USA
- Dennis Brandl – Convenier ISA 95, USA
- Giacomo Torre – Product Development, Siemens, Italy
- Carl-Henric Nilsson, Senior Lecturer, Dept. of Business Administration, Lund University
- Karl Erik Årzen – Professor Dept. of Automatic Control, LTH, Lund University

Further information

If you would like to have more information about me, please, do not hesitate to contact me.

Lund, Sweden, May, 2009

Charlotta Johnsson