

Curriculum Vitae

Personal Data

Name	Elin Anna Topp		
Address	St Paulsgatan 7B 11846 Stockholm Sweden	Phone	+46 (0)8 54554403
		E-mail	topp@csc.kth.se
		URL	http://www.csc.kth.se/~topp
Nationality	German		
Family status	married, one child		

Employment

since 01/2004	Employed as graduate student at the Centre for Autonomous Systems (CAS) at the Royal Institute of Technology (KTH), Stockholm, Sweden.
04/1997–09/1997	Employed as “Mathematisch–technische Assistentin”, Forschungszentrum Karlsruhe (FZK), Germany
10/1994–03/1997	Employed as trainee for “Mathematisch–technische Assistentin”, Forschungszentrum Karlsruhe (FZK), Germany

Education

since 01/2004	Graduate student at the School of Computer Science (CSC) of the Royal Institute of Technology (KTH), Stockholm, Sweden. Supervisors Prof. Henrik I. Christensen and Prof. Kerstin Severinson Eklundh Sick leave / Maternity leave: 02/2007 50% 03/2007–05/2007 100% 06/2007–08/2007 50% 11/2007–12/2008 50% Thesis to be defended October 13, 2008, final exam to be taken by end of 2008.
10/1997–10/2003	Student of Computer Science at Universität Karlsruhe (TH), Germany, main subjects “Robotics” and “Logic and Theory”, subsidiary subject: “Allgemeine Psychologie” (General Psychology) at the University of Heidelberg
10/1994–03/1997	Professional training for “Mathematisch–technische Assistentin” (assistant for mathematical and technical tasks) at Forschungszentrum Karlsruhe (FZK), Germany

Certificates and degrees

06/2008	Teknologi licentiat datalogi, Royal Institute of Technology (KTH), Stockholm, Sweden (PhLic. Computer Science), thesis presented 10/2006
10/2003	Diplominformatikerin, Universität Karlsruhe, Germany (MSc. Computer Science)
03/1997	Certified “Mathematisch–technische Assistentin” (assistant for mathematical and technical tasks), Industrie- und Handelskammer Ludwigshafen, Germany
07/1994	Abitur, Johannes-Althusius-Gymnasium, Emden, Germany (A-levels)

Scholarship

05/2000 – 04/2003	Three-year scholarship of FFI (Freundeskreis der Fakultät für Informatik, “friends of the department of computer science”) scholarship program at Universität Karlsruhe, offered by Agilent Technologies and Philips
-------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Social commitment

10/1998–10/2003	Member of student union, department of Computer Science, Universität Karlsruhe: 04/2002–03/2003 Head of student union (Computer Science) 10/2000–03/2003 Student member of the faculty board 10/1999–09/2002 Student member of the basic course exam committee 10/1998–03/2003 Student member of the undergraduate programme board
1994–1996	Member of trainee / employee representation, Forschungszentrum Karlsruhe

Languages

German (native), English, Swedish, French

Publications

- 2008 Helge Hüttenrauch, Elin A. Topp and Kerstin Severinson Eklundh, “Investigating a “home tour” with a Service Robot in People’s Homes” (working title), in preparation for submission to “Interaction Studies”, Special Issue on “Robots in the Wild: Exploring HRI in Naturalistic Environments”.
- Elin A. Topp, Julia Peltason, Frederic H.K. Siepmann, Thorsten P. Spexard, and Marc Hanheide, “Mixed Initiative in a “Guided Tour” with a Service Robot” (working title), in preparation for submission to ICRA 2009.
- Elin A. Topp, “Human-Robot Interaction and Mapping with a Service Robot: Human Augmented Mapping”, Doctoral Thesis, Royal Institute of Technology, Stockholm, Sweden, September 2008, to be defended October 13, 2008. Manuscript available at www.csc.kth.se/~topp/publications.html.
- Elin A. Topp and Henrik I. Christensen, “Detecting Region Transitions for Human Augmented Mapping”, submitted to IEEE Transactions on Robotics, under review.
- Elin A. Topp, and Henrik I Christensen, “Detecting Structural Ambiguities and Transitions during a Guided Tour”, in Proc. of the IEEE International Conference on Robotics and Automation (ICRA), May 2008.
- Zoran Zivkovic, Olaf Booij, Ben Kröse, Elin A. Topp, and Henrik I. Christensen, “From Sensors to Human Spatial Concepts: An Annotated Data Set”, in IEEE Transactions on Robotics, vol 24:2, pp501-505, 2008.
- 2007 Thorsten P. Spexard, Shuyin Li, Britta Wrede, Marc Hanheide, Elin A. Topp, and Helge Hüttenrauch, “Interaction Awareness for Joint Environment Exploration” Special Session on Situation Awareness in Social Robots at the IEEE International Symposium on Robot and Human Interactive Communication (Ro-Man), August 2007.
- 2006 Elin A. Topp, “Initial Steps toward Human Augmented Mapping”, Licentiate Thesis, Royal Institute of Technology, Stockholm, Sweden, September 2006.
- Elin A. Topp and Henrik I. Christensen, “Topological Modelling for Human Augmented Mapping”, in Proc. of the IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), October 2006.
- Elin A. Topp, Helge Hüttenrauch, Henrik I. Christensen, and Kerstin Severinson Eklundh, “Bringing Together Human and Robotic Environment Representation - A Pilot Study”, in Proc. of the IEEE/RSJ International Conference on Intelligent Robots and Systems, October 2006.
- Helge Hüttenrauch, Kerstin Severinson Eklundh, Anders Green, Elin A. Topp, Henrik I. Christensen, “What’s in the gap? Interaction transitions that make HRI work”, in Proc. IEEE International Symposium on Robot and Human Interactive Communications (Ro-Man), September 2006
- Anders Green, Helge Hüttenrauch, Elin A. Topp, and Kerstin Severinson Eklundh, “Developing a Contextualized Multimodal Corpus for Human-Robot Interaction”, in Proc. of the International Conference on Language Resources and Evaluation (LREC), May 2006
- Elin A. Topp, Helge Hüttenrauch, Henrik I. Christensen, and Kerstin Severinson Eklundh, “Acquiring a Shared Environment Representation”, in Proc. of the 1st ACM Conference on Human-Robot Interaction (HRI), March 2006

Publications (continued)

- 2005 Elin A. Topp and Henrik I. Christensen, “Tracking for Following and Passing Persons”, in Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), August 2005
- 2004 Elin A. Topp, Danica Kragic, Patric Jensfelt and Henrik I. Christensen, “An Interactive Interface for Service Robots”, in Proc. of the IEEE International Conference on Robotics and Automation (ICRA), April/May 2004
- 2003 Elin A. Topp, “An Interactive Interface for a Service Robot – Design and Experimental Implementation”, Diplomarbeit (master thesis), Universität Karlsruhe, Germany, October 2003, written in English

Summer School Participations

- 09/2006 CoSy Summer School on “Learning for Cognitive Systems”, organised and funded by EU Project “Cognitive Systems for Cognitive Assistants – CoSy”, Berlin, Germany
- 08/2006 EURON SSS06 – SLAM Summer School, Oxford, UK
- 07/2005 CoSy-Lite Summer School, organised and funded by EU Project “Cognitive Systems for Cognitive Assistants – CoSy”, Stockholm, Sweden
- 07/2004 RAS/IFRR Summer School on “Human-Robot Interaction”, Volterra, Italy

Research collaborations

- Project involvement EU Integrated Project “COGNIRON – the Cognitive Robot Companion” 01/2004–02/2008
- KTH cooperation Human-Computer Interaction group at the Royal Institute of Technology (Helge Hüttenrauch, Anders Green, Kerstin Severinson Eklundh), various publications
- External cooperation Intelligent Autonomous Systems group, University of Amsterdam, The Netherlands (Olaf Booij, Zoran Zivkovic, Ben Kröse), one publication in IEEE Transactions on Robotics (2008), various project deliverables
- Applied Computer Science group, University of Bielefeld, Germany (Thorsten Spexard, Julia Peltason, Frederic Siepmann, Shuyin Li, Marc Hanheide, Britta Wrede), one conference publication (Ro-Man 07), one in preparation (ICRA 2009)