

Curriculum Vitae

as of June 20, 2016

Personal information

Name	Elin Anna Topp	(Swedish person number 741030-9129)
Date of birth	October 30, 1974	
Nationality	German (permanently registered in Sweden)	
Languages	German (native), English, Swedish, French	
Marital status	married, two children (born 2007 and 2011 respectively)	

Education

- 01/2009 PhD Computer Science (Teknologi doktor datalogi), “Human-Robot Interaction and Mapping with a Service Robot: Human Augmented Mapping” (2008), supervisor Prof Henrik I. Christensen and Prof Kerstin Severinson Eklundh, CAS/CVAP, School of Computer Science and Communication, Royal Institute of Technology (KTH), Stockholm, Sweden
- 06/2008 Licentiate Computer Science (Teknologi licentiat datalogi), “Initial steps towards Human Augmented Mapping”, supervisor Prof Henrik I. Christensen and Prof Kerstin Severinson Eklundh, CAS/CVAP, School of Computer Science and Communication, Royal Institute of Technology (KTH), Stockholm, Sweden (PhLic. Computer Science), thesis presented 10/2006
- 11/2003 MSc Computer Science (Diplominformatikerin), Universität Karlsruhe, Germany (now Karlsruhe Institute of Technology, KIT), main subjects “Robotics and industrial production systems” and “Non-classical logic”, subsidiary subject: “General Psychology” at the University of Heidelberg. MSc thesis / project “An Interactive Interface for a Service Robot - Design and Experimental Implementation” conducted at Royal Institute of Technology (KTH), Stockholm, Sweden.
- 03/1997 Certified “Mathematisch–technische Assistentin” (assistant for mathematical and technical tasks), Industrie- und Handelskammer Ludwigshafen, Germany

Employment

- 07/2012 – Senior Lecturer (Universitetslektor), tenure position. Dept of Computer Science, Faculty of Engineering, Lund University, Lund Sweden. Research involvement ca 45% of actual working time per calendar year (see paragraph on parental / sick leave below), 50% teaching duties and 5% administrative commitments.

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- 05/2011–06/2012 Researcher / Teaching assistant (fixed term appointments of 6, 2, and 6 months respectively). Dept of Computer Science, Faculty of Engineering (LTH), Lund University, Lund Sweden. Research involvement ca 80% of actual working time (see below)
- 05/2009–04/2011 Postdoctoral researcher (fixed term appointment of two years), Dept. of Computer Science, Group for Robotics and Semantic Systems, Faculty of Engineering, Lund University, Lund, Sweden. (research involvement ca. 85%, teaching involvement ca. 15%)
- 01/2004–01/2009 Employment as PhD student, Centre for Autonomous Systems (CAS), Royal Institute of Technology (KTH), Stockholm. Effective research involvement ca. 50% of full time spread over the period, 30% of full time spent on graduate courses.
- 04/1997 – 09/1997 Employed as “Mathematisch–technische Assistentin” (assistant for mathematical and technical (programming) tasks), Forschungszentrum Karlsruhe (FZK), Karlsruhe (now Karlsruhe Institute of Technology, KIT), Germany

Parental / sick leave

- 02/2007–01/2009 Full time and partial parental leave during PhD studies, on average 50% of full time
- 09/2009–03/2014 Full time and partial parental leave, on average 15% of full time
- 03/2014–12/2014 Varying degrees of sick leave, on average 60% of full time
- 01/2015–ongoing Partial parental leave (25% of full time)

Teaching

Involvement in undergraduate courses, course codes according to Lund University, Faculty of Engineering (LTH)

- EDAA01 Programming techniques, second course:
Course assistant 2009/10, 2010/11, 2014/15, 2015/16;
Co-lecturer 2012/13, 2013/14.
Data structures, algorithms, based on Java.
- EDA040 Concurrent programming / Real-time programming:
Course assistant 2009/10, 2012/13 – 2015/16.
Concurrent programming, scheduling, system analysis, based on Java.

- EDA698 Real-time systems (Helsingborg):
Course responsible 2012/13, 2013/14, 2015/16, planned 2016/17.
Course assistant 2014/15.
Concurrent programming, scheduling, system analysis, based on Java. Similar to EDA040, but taught at Lund University's Engineering College Campus Helsingborg.
- EDA132 Applied Artificial Intelligence:
Co-lecturer / co-responsible since academic year 2010/11, annual spring term course.
Lecturing on probabilistic representation / Bayesian networks, reinforcement learning / Bayesian learning, HMMs, robotics.
- MMKN30 Service Robotics:
Co-lecturer 2013/14, 2014/15.
Lecturing on mapping and navigation.
- EDAN50 Intelligent Systems Project / EDAN70 Project in Computer Science, spring term (AI and NLP):
Co-responsible 2012/13, 2014/15, 2015/16. 5-week project course (EDAN50 replaced by EDAN70 since 2014/15).

Involvement in graduate course:

- Wallenberg Autonomous Systems Programme graduate school core course on Autonomous Systems, contribution on Aspects of Cognition in Interaction with Autonomous Systems currently in preparation, to be taught autumn 2016.

Supervision and examination

- Co-supervisor for four concluded MSc/BSc projects during PhD studies 2004–2008
- Supervisor / examiner for four concluded MSc/BSc projects during 2009–2014
- Supervisor for five concluded MSc/BSc projects (one Workshop publication: Carillo and Topp, AAAI 2016; one project in collaboration with the Dept. of Cognitive Science (LUCS)) 2015–2016 (examination rules changed in 2015).
- Examiner for four MSc projects (two pending) 2016.
- Co-supervisor for visiting doctoral student Annika Peters (now PhD) from the Cognitive Interaction Technology Center of Excellence / Applied Informatics group, University of Bielefeld, Germany (04/2010–06/2010).
- Co-supervisor for PhD student Mårten Lager, involvement in Wallenberg Autonomous Systems Programme (WASP) (01/2016 – ongoing) and PhD candidate Maj Stenmark (01/2016 – ongoing), involvement in EU-project SARAFun

- Examiner for Licentiate degree (PhLic) in Computer Science, Maj Stenmark, “Instructing Industrial Robots using High-Level Task Descriptions”, Dept of Computer Science, Lund University (03/2015)

Reviews

- Workshops (2007–): Frequent reviewer / PC member for the HRI Pioneers Workshop, held in conjunction with ACM/IEEE HRI.
- Conferences (2004–2016): IEEE/ACM HRI, IEEE ICRA, IEEE/RSJ IROS, IEEE Ro-Man, IEEE-RAS Humanoids
- Journals (2006–2016): IEEE-RAS Robotics and Automation Magazine, IEEE Transactions on Robotics, Elsevier Robotics and Autonomous Systems, ACM Transactions on Interactive Intelligent Systems, Springer Social Robotics
- PhD thesis: external reviewer for Annica Kristofferson, “Measuring the Quality of Interaction in MRP Systems using Presence, Spatial Formations and Sociometry” (defended fall 2013, Örebro, University)

Workshops

- Interactive Service Robots in Specific Applications and Environments - Design, Systems, Studies, and Evaluation, (co-organised with Helge Hüttenrauch, now Södertörns Högskola, Stockholm) held at the IEEE International Symposium in Robot and Human Interactive Communication, September 2010, Viareggio, Italy
- IEEE RAS Sweden Workshop “Robotics @ Lund University”, Lund / LTH, Dec 1, 2015
- Participation in the 1st HRI Pioneers Workshop, ACM HRI, Salt Lake City, UT, USA, March 2006, after that frequent involvement as reviewer / PC member for the workshop.

Project involvement / grants, research programmes, and summer schools

- WASP - Wallenberg Autonomous Systems Programme, <http://wasp-sweden.org>, 2016–
- EU Integration Project “SMERobotics” (considerable contributions to project and grant application), 01/2012–06/2016
- Swedish (SSF) funded project “ENGRASS” and EU Integrated Project “ROSETTA” (minor contributions) 2009–2012
- EU Integrated Project “COGNIRON – 01/2004–02/2008 (during PhD studies)
- Participation in Advanced Study Group “The meaning of action”, Pufendorf Institute for Advanced Studies, Lund University, 09/2011–06/2012

- Participation in luPOD, Lund University post doctoral career development programme, 2010
- Participation in STINT Sweden–Korea program funded cooperation with Hanyang University, Seoul, South Korea. Invited lecture at Hanyang University, October 2009.
- Participation in the CoSy Summer School on Cognitive Systems and Learning, Berlin, Germany, September 2006.
- Participation in the SLAM Summer School, Oxford, England, August 2006.
- Participation in the CoSy Summer School on Cognitive Systems, KTH, Stockholm, Sweden, July 2005.
- Participation in the 1st IEEE RAS Summer School on Human-Robot Interaction, Volterra, Italy, July 2004.

Dissemination / popular science commitments

- Presentations / tours for school classes (covering grades 4 to second year of high school) of the RobotLab (the lab collaboratively used and maintained by the departments of Computer Science, Automatic Control and Mathematics (Computer Vision)) during the Eurobotics European Robotics Week running annually in late November since 2011 (involvement since 2013)
- Short talk on Artificial Intelligence at Lund municipality’s industry day “Lund Grand Prix” April 2015
- Introductory lecture on Robotics and Artificial Intelligence within the “Flickor på Teknis” (Girls at Tech) programme April 2016

Current commitments

- Member of the Working Group for (Gender) Equality, Equal Treatment and Diversity at the Faculty of Engineering (LTH) (since spring 2013)
- Member of the Department board, Dept of Computer Science (since 01/2015)
- Board Member of the IEEE Robotics and Automation Society Sweden Chapter (since 2014)