

MARIETTE ANNERGREN

SUNNANVÄG 18 P DATE OF BIRTH : 30 JUNE 1982
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IN BRIEF

- I have a Ph.D. in automatic control from KTH Royal Institute of Technology (KTH), Stockholm. My thesis is called "Application-oriented input design and optimization methods involving ADMM". I am currently on parental leave with my second child after which my intention is to start working in Stockholm.
 - My research interests are system identification for control and optimization.
 - I started in an elite program in classical ballet at the age of ten. My years at the Royal Swedish Ballet School taught me how to formulate goals, and how to plan and work hard to achieve them. These skills have been further developed during my time at KTH.
 - I have experience of working in an international environment and living abroad, which have helped me when collaborating and communicating with people of different backgrounds than my own.
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EDUCATION

- Doctorate degree in automatic control** **Oct 2010 — Sep 2016**
- Automatic control, KTH. Specialization in system identification for control, optimization and model predictive control. Supervised by Professor Bo Wahlberg. On parental leave Mar 2013 — Jan 2014. Visiting the automatic control department at Lund University Nov 2014 — Jun 2016.
- Degree of Master of Science in Engineering** **Aug 2005 — Oct 2010**
- Engineering physics, KTH. Specialization in optimization, system and control theory.
- Technical preparatory year** **Aug 2004 — May 2005**
- KTH.
- Secondary education** **Aug 1998 — Jun 2001**
- Royal Swedish Ballet School, Stockholm. Professional dancer program with specialization in classical ballet.

UNDERGRADUATE RESEARCH

- Visiting student** **Jan 2010 — Jun 2010**
- Stanford University, Stanford. Performed research for master degree project within optimization, control theory and system identification. Supervised by Professor Bo Wahlberg and Professor Stephen Boyd.
- Summer Undergraduate Research Fellowship (SURF)** **Jun 2008 — Aug 2008**
- California Institute of Technology, Pasadena. Worked in a group of eight undergraduate students in a research project concerning autonomous vehicles. Supervised by Professor Richard Murray.

WORK

- Summer internship** **Jun 2009 — Jul 2009**
- Scania, Södertälje. Programmed in MATLAB, Simulink.
- Teaching assistant** **Aug 2007 — Dec 2009**
- KTH. Assisted in mathematics courses at undergraduate level.
- Summer internship** **Jun 2007 — Aug 2007**
- SCA Packaging, Järfälla. Operated printer machine.

- Nursing auxiliary** **2003 — 2006**
 – Home-care service, Årsta.
- Dancer** **Jan 2003 — Mar 2003**
 – Cristina Caprioli Artificial Project, Stockholm. Danced in the performance Octavia at Dansens Hus, Stockholm.
- Dancer** **2001 — 2003**
 – Björn Elisson Kompani, Stockholm. Danced in the performances Mörkerflickan and Överlevnadsstrategier, the latter a project at NorrlandsOperan, Umeå.

VOLUNTEER WORK, AWARDS AND COMMISSION OF TRUST

- Tamam, non-profit organization for children** **Aug 2015 — Dec 2015**
 – Member of a group that helped children with school work. The work consisted of tutoring children, typically between the age of 10 and 15, for two hours once a week.
- Teaching assistant of the year, Student Division of Medical Engineering, Student Union (THS)** **2011**
 – Awarded “Teaching assistant of the year” by the Student Division of Medical Engineering for the work made in Automatic Control, basic course.
- Student Division of Engineering Physics, THS** **2009**
 – Member of the group of seven students responsible for the reception of new engineering physics students. The work consisted of organizing and leading 100 mentors and 100 new students.
 – Financially responsible for the previously mentioned reception, with a turnover of 80 000 SEK.
- Student Division of Engineering Physics, THS** **2008**
 – Member of the student board.
 – Responsible for the premises of the Student Division of Engineering Physics.
- Student Division of Engineering Physics, THS** **2006**
 – Secretary of the Student Division of Engineering Physics’ board of education.

ADDITIONAL KNOWLEDGE

Computer skills

- **MATLAB, CVX, YALMIP and L^AT_EX** - very good knowledge
- **MS Windows and MS Office** - experienced
- **C, C++, Java, Simulink, COMSOL Multiphysics, GAMS, Python and Unix (different shells)** - some experience from undergraduate studies

Language Skills

- **Swedish** - native language
- **English** - fluent

Swedish driver’s license (issued Jan 2008)

References can be supplied upon request.