

# Curriculum Vitæ

Johannes Borgström

## 1 Research and Education

I am a Research fellow of the IT department of Uppsala University since October 2011, working in the Mobility group which is headed by Joachim Parrow. Previously I was a postdoc in the same group, funded by the Uppsala Programming for Multicore Architectures Research Center (UPMARC).

My first postdoc was with Andrew D. Gordon at Microsoft Research, Cambridge, in the Programming Principles and Tools group headed by Luca Cardelli.

I received my PhD (*Docteur ès Sciences*) on the topic of *Equivalences and Calculi for Formal Verification of Cryptographic Protocols* from EPFL on March 10, 2008. In my thesis, I developed models and proof techniques for formal verification of cryptographic protocols. My thesis supervisor was Prof. Uwe Nestmann.

During a research internship with Andrew D. Gordon at Microsoft Research in Cambridge in 2006, I worked on chart semantics for the pi calculus and process calculus models for nested transactions. I visited Prof. Martín Abadi at UCSC in March 2005, working on decidability problems for cryptographic message languages.

I hold a Master of Science in Engineering from the Royal Institute of Technology (KTH), Stockholm, awarded on May 9, 2003. My field of studies was *Computer Science and Engineering* and my Master's thesis was on *Translation of smart card applications for formal verification*, supervised by Mads Dam at SICS, Stockholm.

## 2 Professional Experience

My full-time employment record is listed below.

Employer	Job description	Period
Uppsala University	Research Fellow	2011-10 –
Uppsala University	Postdoc	2010-09 – 2011-09
Microsoft Research, Cambridge	Postdoc	2008-09 – 2010-09
TU Berlin	Research Assistant	2005-10 – 2008-09
Microsoft Research, Cambridge	Research Intern	2006-07 – 2006-09
EPFL, Lausanne	Research Assistant	2002-09 – 2005-09
SICS, Stockholm	Research Intern	2002-04 – 2002-08
Swedish military	Systems Developer	1999-06 – 1999-09, 1998-06 – 1998-07
Military service	Communications	1997-06 – 1998-05

## 3 Awards

An early version of one chapter of my thesis, submitted as a semester project report, received the 2002 ABB prize for best thesis in EECS at EPFL. The prize was awarded by the Swiss Federal Technical University Council, and included a monetary award of CHF 5.000.