

## Master Thesis: Product configuration tool

### 1 Introduction

Developing software for embedded systems is a challenge. If the software needs to be configured for different hardware, different markets and different customers the challenge is even bigger.

### 2 The master thesis work

The master thesis work is divided into two tasks.

The first task is to develop a prototype for a product configuration tool. The tool will be a front end for the software configuration files we use to build different configurations of our software. The tool will show a graphical view of the configurations of the software and also display dependencies between features.

The second task is to investigate how we currently configure the software and also analyze some new initiatives within the software development organization. How will the new initiatives affect the way we work with software configuration compared to the old way and how can we do software configuration more efficiently?

The master thesis work is a continuation of previous master thesis works that studied dependencies between features.

### 3 The form of the master thesis work

The master thesis should be performed by two students, preferably with good programming skills (Perl and C++) and knowledge about Software Configuration Management. The master thesis will be performed and supervised by a member of the Product Configuration Management team at Sony Ericsson in Lund.

### 4 Contacts

If you are interested please contact

CM Strategist Andreas Göransson +46 46 232849  
[Andreas.Goeransson@sonyericsson.com](mailto:Andreas.Goeransson@sonyericsson.com)

Technical Manager John Sarhede +46 46 193317.  
[John.Sarhede@sonyericsson.com](mailto:John.Sarhede@sonyericsson.com)