Master Thesis –
Scrum for Hardware Development

Background
Scrum is a worldwide used way of working when it comes to product development. At our department, we develop ASICs and FPGAs for 5G products, and we have for several years worked in Scrum Teams. The problem is that the “standard” Scrum way do not fit the Hardware workflow. We feel that it is developed for Software where there are another workflow from specification, to implementation, to product release and updates to the customers.

Thesis Description
We would like you to investigate the Scrum way of working, looking at both other methodologies and possible flavors of Scrum, if there exist. Gain knowledge of how our organization work, in terms of how teams deliver to multiple projects. Scrum is used to plan and foresee when deliveries will be made, so you need to be interested in the project leading aspect of Scrum as well as how to fit Scrum into the daily work of a team of hardware developers.

The result of the Master Thesis should be a suggestion of how Scrum could be adopted to work for hardware development. The result should be theoretical based as well as on the practical problems that both teams and project managers in the organization see with the current way of working. We have a diverse workforce both in terms of team members as well as sites around the world. The proposed solution should be suited for multi-site projects as well as adapted to our diverse workforce.

Qualifications
We think you as a student are studying Industrial engineering or similar. You have an interest in project management but also in electronics. The work will include interviews as well as theoretical aspects, it is therefore important that you are outgoing and have good communication skills.

Extent
1 students, 30hp

Location
Ericsson AB Kista, Stockholm

Preferred Starting Date
Spring 2019

Keywords
Scrum, Project Management, Hardware

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