



## TUT ICT project course seeks good topics from the industry

The students, usually during their 4<sup>th</sup> year, attend a course to practice professional development project in teams of ~5 students. This course (<http://www.cs.tut.fi/~projekti/index.html>) has a long tradition of teaching future professionals about fundamentals of realistic projects. Many companies and other stakeholders have collaborated with us on this course in the past. In this way, the student teams have realistic topics to work on and they have produced useful products for the stakeholders. Some key principles of the course:

- We encourage cross-disciplinary projects. In addition to software engineering students, many teams will include students from other areas of expertise, e.g., security, user experience, and hardware design (e.g., FPGA, SoC).
- Iterative/agile approach with active listening of the customer will be assumed.
- Teaching material will be in English, but the language inside the project may also be Finnish.

We want to continue the long tradition of collaboration with the local industry on this project course. The teams have developed useful systems and the participating companies have learned to know new talents.

### Would you have a project topic for one of the teams?

As previous years, we are seeking for good project topics. We assume that:

- Topics are challenging but reasonable for teams of 5-6 members working during ~5 months (total ~1000 h).
- Results of the projects should be complete and working systems – a demo is not enough. For example, testing is included. For creation of a new concept and demo, Demola Academy is an excellent platform.
- Required tools and information should be available for the team when the project starts.
- The topic should not include big secrets. The teams need to discuss their work with the teachers and other teams. By default the teachers will not sign NDAs.
- You should commit to meet the team and give feedback to the team after each iteration (~once a month), i.e., you will play the role of customer towards the team. This effort is the “cost” for you, but through your active participation you get more and can ensure that the resulting system is useful and corresponds to your needs.

### What, when?

The course starts at the end of August 2014, so we would like to get your project topics by 15.8.2014.

Description of the topic should include:

- Problem to be solved and essential high-level requirements, expected outcome of the project
- Target platform and other constraints, such as programming language, operating system, etc.
- Language to be used in the communication and user interface of the created system
- Assumption towards the team: competences (e.g., SW, UX, or security experience), language skills, special knowledge of technologies, etc.
- Additional essential information
- Contact information.

There will be no guarantee that your topic will be selected by any team, but good topics are picked first. You will be given a chance to pitch for your topic in early September. To send your proposal or to ask for more information contact:

Outi Sievi-Korte  
[outi.sievi-korte@tut.fi](mailto:outi.sievi-korte@tut.fi)  
050 3014202

Kari Systä  
[kari.systa@tut.fi](mailto:kari.systa@tut.fi)  
050 4835496