

# Doctoral Seminar: From Myths and Fashions to Evidence-Based Decisions in Software Engineering

Thursday and Friday - 16-17 April 2015

SÄ102, University of Oulu (Linnanmaa Campus, [Map](#))

The seminar is open for all.

## Content:

Important judgments, decisions and choices in software engineering should be based on critical collection and evaluation of best evidence from research and practise. In this course I introduce evidence-based software engineering and explain how this approach can be used to improve decisions. Topics that will be covered include: How to identify myths and fashion in software engineering, empirical research methods, collection of practise-based evidence, and challenges related to learning from experience. The goal is that the participants, as researchers and software practitioners, will be better able to formulate precise problems, collect and evaluate relevant and valid evidence, summarise the evidence and apply the knowledge properly.

## Speaker: Magne Jørgensen

works as a Chief Research Scientist at Simula Research Laboratory and a professor at the University of Oslo. Previously, he worked with software development, estimation, and process improvement in the telecom and insurance industry. He has, together with Prof. Kitchenham and Dr Dybå, founded and promoted evidence-based software engineering and teaches this to students and software professionals. His current main research interest is in management of software projects and empirical research methods. On several years he has been ranked as the world's most productive researcher within software engineering in a ranking conducted by the Journal of Systems and Software.



## Program:

### Thursday 16, April

12.00 - 16.00: Evidence-based software engineering  
- Argumentation analysis  
- Myths and fashion on software engineering

### Friday 17, April

10.00 - 15.00: Empirical research methods  
- Collection of practise-based evidence  
- Learning from experience

Register online <http://goo.gl/Kzl6oQ>

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