



Monday, August 25, 2014 (Full-day)

TUTORIAL ANNOUNCEMENT

22nd IEEE International Requirements Engineering Conference
(RE'14) – Karlskrona, Sweden – <http://www.re14.org>



Per
Runeson

T06 – Case studies in requirements engineering

"Case study in software engineering is an empirical enquiry that draws on multiple sources of evidence to investigate one instance (or a small number of instances) of a contemporary software engineering phenomenon within it's real-life context, especially when the boundary between phenomenon and context cannot be clearly specified." [Runeson et al., Case Study Research in Software Engineering, Wiley, 2012]

This is a typical situation for requirements engineering studies. They can rarely be conducted in isolation and their complex real-life context must be taken into consideration. In order to conduct a high quality case study, it is not sufficient to just walk out into the industrial environment and "observe". Setting up the case study, collecting data systematically, analysis qualitative and quantitative data - all require a systematic and un-biased approach in order to produce valid results.

This tutorial aims at providing PhD students and junior faculty an insight into recommended practices, as well as proving industry participants an understanding of how a case study is conducted, and what the industry's important role is and how industry can gain form participating in case studies.



Martin
Höst



Björn
Regnell

BIOGRAPHIES

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BIOGRAPHIES

Dr. Per Runeson is a professor of software engineering at Lund University, Sweden, head of the Computer Science Department, and the Industrial Excellence Center on Embedded Applications Software Engineering (EASE). His research interests include empirical research on software development and management methods, in particular for verification and validation. He is the principal author of "Case study research in software engineering", has coauthored "Experimentation in software engineering", serves on the editorial board of Empirical Software Engineering and Software Testing, Verification and Reliability, and is a member of several program committees.

Dr. Martin Höst is a Professor in Software Engineering at Lund University, Sweden. He received an M.Sc. degree from Lund University in 1992 and a Ph.D. degree in Software Engineering from the same university in 1999. His main research interests include software process improvement, software quality, risk analysis, and empirical software engineering. The research is mainly conducted through empirical methods such as case studies, controlled experiments, and surveys. He has coauthored "Case study research in software engineering" and "Experimentation in software engineering", and published more than 60 articles in international journals and proceedings from conferences and workshops.

Dr. Björn Regnell is Professor in Software Engineering and Vice Dean of Research at the Faculty of Engineering, LTH, Lund University, Sweden. He has contributed to several software engineering research areas including requirements engineering, software quality, software product management and empirical research methods in software engineering. He was ranked among top 13 scholars in the world in experimental software engineering in IEEE Transactions on Software Engineering, 31(9):733-753 (2005) and was awarded the Lund University Pedagogical Prize for outstanding achievements in teaching (2005).

