



September 12–16, 2016. Beijing, China.



Tutorial: Variability-Oriented Requirements Engineering (T10)

Tuesday, September 13, 2016 (Half-day)

<http://re16.org/pages/conference/tutorials/#T10>

Product line engineering and hence variability management increasingly become relevant to any form of software development as companies switch to an approach where they create an integrated set of assets that support the development of a range of products in an integral way. This shift also impacts requirements engineering in a significant way. In this tutorial we will look at these impacts on the early development stages and discuss ways of handling variability.

The main emphasis of the tutorial will be on variability analysis and modeling as it is a core activity that differentiates product line requirements engineering from single system RE. We will provide an overview of different approaches to modeling product line variability. A major part of the tutorial will then focus on representing variability modeling using the EASy-approach for modeling variability.

As a result the participants will gain a better understanding of the specific issues in requirements engineering for product lines and will get some initial experience of how to do variability management.



Prof. Dr. Klaus Schmid holds a professorship for software engineering at the University of Hildesheim. He was also a visiting researcher with SEC, South Korea for four years. This inspired his current interest in Global Requirements Engineering. He is active in the areas of Requirements Engineering and Product Line Engineering since the mid-nineties. He is currently vice-chair of the Requirements Engineering group of the German Computer Science Society (GI e.V.).

Klaus Schmid is active in the scientific community since the late nineties and authored numerous papers related to requirements engineering, product management and product line engineering. He also served in numerous scientific roles (general chair, program chair, etc.). Currently, he is also chair of the steering committee of the software product line conference (SPLC). Besides being a researcher, he is also active in consulting both for small and large companies since the late nineties.