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Inner Source in Product Line Engineering

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Nov. 5, 2013 @ 1:30pm PDT



Abstract:

While open source software helps you improve your products, open source methods help you improve your software development process. For a while now, large software vendors have been using open source methods in their firm-internal software development processes to make them more effective. Labeled “inner source”, the use of open source methods helps projects overcome lack of resources, innovation, and quality. In this presentation I will focus on the use of inner source in improving product line engineering. I will report about three case studies that we have carried out over the last few years, covering: problems in product line engineering, the promise of inner source, the challenges of applying inner source, and the solution adopted by our case study companies.

Speaker Bio:

Prof. Dr. Dirk Riehle, M.B.A., is the Professor of Open Source Software at the Friedrich-Alexander University of Erlangen-Nürnberg. Before joining academia, Riehle led the Open Source Research Group at SAP Labs, LLC, in Palo Alto, California (Silicon Valley). Riehle founded the Wiki Symposium, and more recently, the Open Symposium, now the joint international conference on open collaboration. He was also the lead architect of the first UML virtual machine. He is interested in open source software engineering and agile methods, complexity science and human collaboration, and software design. Prof. Riehle holds a Ph.D. in computer science from ETH Zürich and an M.B.A. from Stanford Business School. He welcomes email at dirk@riehle.org, blogs at <http://dirkriehle.com>, and tweets as @dirkriehle.

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