

Titre / Title

**Workshop:
From Agile Stories to Descriptive Integration Tests – Closing the
Gap with Domain Specific Languages**

Présentateur(s) / Speaker(s)

Tony Mowers / EVOCEAN (CH)

A qui s'adresse la présentation? / To whom is the presentation addressed?

Program managers, product development managers, architects, testers, and software developers

Mots-clefs / Keywords

- Specification by example
 - Test driven development
 - Domain specific languages
 - Requirements analysis
 - User stories
 - Collaboration
 - Agile development
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Résumé de la présentation / Abstract

Product/application development organizations achieve their best results when team members from the various disciplines are able to use requirements as a hub for collaboration. However, it is often the case that there is a large gap between a requirement specification's content and what is needed by the team members to do their work effectively. Consequently requirements tend to fade into the background as development gets underway, leading to projects losing focus.

This workshop presents an approach which retains the requirements in the foreground; a test driven development process based upon specification by example. Requirements are captured as stories, and elaborated upon by examples written in a domain specific language. The examples become black box tests which in turn drive the development effort.

Workshop participants learn about, discuss, and practice skills key to process implementation: story writing, example writing, domain specific language design, test driven development, and work-in-progress management. In addition, a case study is presented which is used as a context for discussing the realities of implementing such a process in larger organizations.

Biographie / Biography

Tony Mowers studied Applied Mathematics, and Physics, at the University of Waterloo in Canada. After his graduation in 1989 he worked for several years as a software engineer in the telecom industry developing embedded, and network management, software solutions. Since that time he has been an architect, team lead, teacher, and project manager on several projects at companies such as: Nortel, WindRiver and NextBus. He has co-authored, and implemented, patents in: real-time O/S configuration, and VoIP systems testing. During the last 10 years he has worked primarily in the US Silicon Valley, and Switzerland, as an independent software engineering coach, and architect, specializing in helping projects in crisis and building successful teams. He joined the EVOCEAN Team in 2011.
