

The IEEE South Alberta Section's Computer Society
presents a seminar titled:

Building Record/Playback Test Automation into Your Software Application



Speaker: Gerard Meszaros

Calgary-based independent software development consultant and trainer

Tuesday, Sept. 28th, 2010, 6-8 pm

6-6:30 Welcoming and refreshments

6:30-7:30 Talk

7:30:8 Q/A and networking

LOCATION: ICT 446, University of Calgary

(For the campus map and parking locations, please see www.ucalgary.ca/map)

COST: Free to everyone. Refreshments will be served.

Abstract:

Stories about failed attempts to automate functional testing are very easy to find and have given the record/playback style test automation a black eye. Is this approach fundamentally flawed or can the business benefits of automated testing be realized through recorded tests? The flaw with most commercial record/playback tools is that they are intended for use with existing applications that have not been designed for testability. Therefore, the tools can only interact with the application through the user interface, making execution slow and prone to flakiness because user interfaces make terrible machine interfaces. Gerard Meszaros introduces the concept of designing testability and test recording capabilities directly into the application. This approach allows automated tests to interact with the application via a programming API to make them much more robust. Case studies illustrate how to design record/playback test automation into different application technologies and how this technique impacts the application design.

Speaker's Biography:

Gerard Meszaros is an independent software development consultant and trainer with 20+ years experience in software and over a decade of experience in agile methods. He is an expert in test automation patterns, refactoring of software and tests, and design for testability and has applied automated unit and acceptance testing on projects ranging from full-on eXtreme Programming to traditional waterfall development in wide range of industries. He is also a leading expert in the implementation and customization of agile methods such as Scrum, Lean and eXtreme Programming and has been one of the early proponents of including User/Usage Centered Design (UxD) practices on agile projects. He has been a frequent presenter of papers and tutorials at major conferences such as Agile 200x, OOPSLA, JA00 and SD West/Best Practices. His book xUnit Test Patterns – Refactoring Test Code was published in May 2007 by Addison Wesley in the Martin Fowler Signature Series and won a Jolt Productivity Award in the Best Technical Book category.

Seminar Coordinator:

Dr. Vahid Garousi, PEng, vgarousi@ucalgary.ca, Computer Society Chair of the IEEE South Alberta Section. For more information, visit: <http://sas.ieee.ca/computer>

Did you know?

The Computer Society (CS) is the largest society among all 38 IEEE societies.