



This issue:

- Introduction
- Articles
- Useful Website

About HKSPIN

The HKSPIN group aims to provide a leading forum for open and free exchange of software process improvement experiences and practical ideas. It focuses on promoting disciplined software engineering practices, software process improvement proceedings, software quality, and achieving higher levels of process quality and professional understanding through skills training and information exchange.

Any feedback or suggestions for further topics is greatly appreciated. If you wish to share an article or contribute an original article please write to hkspin@hkcs.org.hk

HKSPIN Website:

http://www.hkcs.org.hk/en_hk/sg/qmsid/hkspin/

Dear Members and Friends,

Time flies quickly, and the end of 2009 is nearly upon us. To tie in with the seasonal spirit and this issue's theme of frameworks, methodologies and models, we bring you *Four Articles and A Web-Site* introduced via "A Christmas Story" (adapted from "'Twas the night before Christmas" by Clement C. Moore).

**'Twas the night before software inspections,
When all through the office
Not a program was stirring, not even a byte.
The codes were written in Agile with care,
In hopes that CobIT and ITIL would be there.
CMMI was nestled all snug with Scrum,
While visions of XP floated around;
And engineers with their Six Sigma,
Had just settled on a nice quality talk.
When suddenly a Waterfall appeared,
With an auditor and clipboard in hand.
Our documentations are complete,
We have nothing to dread.
PM's gave a sigh of relief, and greet all with**

"Have a Merry Christmas and a Happy New Year!"

Yvette Lui

Articles

Implementing Scrum and CMMI® Together

Many software engineers or IT professional have shown a strong interest in reducing costs, improving quality and productivity. They might have looked at various frameworks, such as Agile (e.g. Scrum and Extreme Programming), CMMI®, and Six Sigma.

At first glance, each of these frameworks might look at odds with each other, making it difficult to use them together. Multiple frameworks can be implemented successfully depending on how well they are integrated before and during deployment.

In this article Neil Potter and Mary Sakry use the examples of CMMI® and Scrum and show that the Scrum methodology implements many of the CMMI® practices. Understanding the content and similarities of each framework is essential before either or both can be deployed.

<http://www.compaid.com/caiinternet/ezine/Potter-ScrumCMMI.pdf>

Event Calendar

28 Jan 2010

Improving the Testing Process with TMMi, HKSPIN Speaker's meeting

15-17 Feb 2010

The 2010 Outsourcing World Summit

22-25 March 2010

SEPG North America 2010

22-25 March 2010

4th Global Sourcing Workshop

26-29 April 2010

22nd Annual Systems and Software Technology Conference

28 June - 1 July 2010

SEPG Europe 2010

Please submit coming events that are of interest to our readers to hkspin@hkcs.org.hk

Executive Committee

Hareton Leung (Chair)
Yvette Lui (Secretary)
Benedict Lam (Programme)
Daniel Wong (Editor)
William Kwan
Roy Ko
George Leung
K. H. Li
Lawrence Lo
Andrew Tang

Contact Us:

hkspin@hkcs.org.hk

Your Process Improvement Program – Is the Organization Ready for Change?

There have been numerous accounts of companies achieving the benefits that come with advancing to higher levels of maturity with the Software Engineering Institute's CMMI® framework or initiating a Six Sigma program for higher quality. There are many other process improvement models such as CobIT and ITIL all of which can result in similar success stories. But the hard reality of some improvement programs is that they can and do fail. David Herron highlights six key risk factors that can contribute to the success of a process improvement program.

<http://www.compaid.com/caiinternet/ezone/Herron-change.pdf>

The Agile/Waterfall Cooperative

Agile and Waterfall methodologies have different ways of measuring progress, determining success, managing teams, organizing, and communicating. How can they be managed as part of a cohesive project portfolio? Can they work together? Michele Sliger looks at how continuous improvement through time-boxed iterative deliveries and reviews, implementation of the most important items first, and constant collaborative communication lead to success. He also identifies transitional techniques and 10 keys to success.

www.rallydev.com/documents/AgileWaterfallCoop-Sliger.pdf

Software Inspections

Software inspection has been around for more than 35 years. In this article, Ron Radice shares his experiences with successful inspections and explains why they are an invaluable tool. He explores the value of software inspections independent of software development standards, the role of programmers in causing defects, the objective of reducing Cost of Quality during inspections, inspection effectiveness and efficiency, roles and tasks during an inspection, minimally staffed inspection teams, and what lessons can be learned from both successful and failed inspection experiences. Radice also answers questions regarding whether software inspection can replace testing and if software inspection will become obsolete.

www.methodsandtools.com/archive/archive.php?id=29

Useful Web Site

Survivable Systems Engineering

www.cert.org/sse

The Carnegie Mellon University Computer Emergency Response Team-sponsored Web site explores the current state of systems to identify problems and proposes engineering solutions. Its work focuses on the development life cycles for both new development and COTS-based systems, and includes analysis of how susceptible these systems are to sophisticated attacks and provides suggestions for improving the design of systems based on this analysis.