Email from Jon Hagar:

RE: [teachingtesting] WTST 2010: Papers for the website

I don't have a paper, as mine is to be a "lightening" talk. Here is my outline.

Objectives of a class or book on software implementation-level testing

Upon completion:

1. Code developers should be able to understand and list common software testing concepts, definitions, lifecycles, classification systems, bug reporting concerns, issues and principles.

2. Students/Readers should be able to apply basic code coverage concepts to software they develop, understanding both the pluses and disadvantages of coverage based implementation-level testing.

3. Students/Readers should be able to understand and apply "classical" software test techniques to implementation-level testing, including techniques such as: output forcing, equivalence classes, boundary value classes, combinatorial testing, and requirements-based testing, being able to identify when, where, and how to apply these plus what the known advantages and limitations of the techniques are.

4. Students/Readers should be able to define and list the underlying psychological and technical considerations that impact software development and testing at the implementation-level level, e.g. inattention blindness, blind spots, bias, system complexity, heuristics, and project complications.

5. Students/Readers should be familiar that there are a vast number of test techniques and that testing is a hard (NP complete) but interesting problem that might challenge them.

6. Students/Readers need to be able to define some of the issues and considerations for implementation-level testing within the different types of software domain contexts, methodologies, and approaches, e.g. Types /Contexts - PC, Mainframe, Client/Server, embedded,.... Development Methods - Structured, OO, Data-driven,....... Approaches - traditional, Agile, Lean...

7. Expose students/readers to current and/or advanced topics that may impact implementation-level testing - test automation tools, static analysis tools, peer reviews, model based development, model based automated code generation.

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-----Original Message-----
From: teachingtesting@yahoogroups.com [mailto:teachingtesting@yahoogroups.com] On Behalf Of Tim Coulter
Sent: Thursday, January 21, 2010 2:25 AM
To: teachingtesting@yahoogroups.com
Subject: [teachingtesting] WTST 2010: Papers for the website

Hi all,

WTST 2010 is less than 10 days away! To get prepared for the workshop, we'd like to place the participants' papers on the website to easily distribute them and give them a permanent place on the net. If you are participating and have written a paper, can you send it to me personally at tim@timothyjcoulter.com so I can get it posted? All papers as well as workshop information can be found at http://www.wtst.org.

Thanks!
Tim

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