Workshop 5  Introduction to Simulating an Inspection or Test Process

In this workshop, we will look at two major issues.

First: Just how difficult is it to generate sufficient inspection questions or test sets in order to adequately assess the correctness of a design document or piece of code?

A simple requirements statement will be presented and students (in pairs) will produce a list of tests they would need to convince themselves that the system was working correctly. This is equivalent to a walkthrough of a design document or black box testing of a code module.

Second: How do you convince a manager that (Validation and Verification) Inspections of Requirements Specifications or Design Documents are worth performing? Why not leave everything to the Testing phase – as many software developers do?

A simple simulation exercise of the inspection process will be performed (both as an introduction to simulations and as a means to generate evidence of the value of Inspections).