

## OPEN SEMINAR SERIES

**Friday 27 June 2014**

**13:00 – 14:00**

**Sofou Conference Room 7<sup>th</sup> floor,  
L. Sofou Bldg**

## “Model-based Testing in Practice”

By

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### ABSTRACT

The Stream X-Machine testing method is now quite well-known as a strong method for generating complete functional tests for systems that satisfy certain design-for-test principles. However, what if the systems you wish to test do not satisfy all of the expected theoretical conditions? This talk will demonstrate how verification and testing can complement each other when designing model-based specifications, so that a model designer can be notified of weaknesses in the specification. In particular, checking that the functions of the system completely partition the input and memory space allows for a reduction in the number of tests, without compromising test coverage.

This talk will be an interactive demonstration of some software being constructed as part of the Broker@Cloud research project, involving both SEERC and the University of Sheffield.

**The seminar series is open to all members of *staff and students* of CITY and to any *externals* that wish to attend.**



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