

## Advanced UVM in the Real World

This tutorial provides intermediate and advanced users of the Universal Verification Methodology (UVM) with some more in-depth material on key topics that will help take their understanding and effectiveness to the next level. It is aimed at engineers with a good understanding of SystemVerilog and practical experience in either OVM or UVM. UVM beginners may also find the content interesting although the details could be somewhat overwhelming, at any rate it should raise awareness and provide some good reference material for the future.

After a very brief introduction to UVM in order set the scene and put the other topics into context, the tutorial takes a more detailed look at four topics that have been selected based on Verilab's combined experience implementing pragmatic UVM solutions on many projects at different clients:

- Demystifying the UVM Configuration Database
- Behind the Scenes of the UVM Factory
- Effective Stimulus & Sequence Hierarchies
- Advanced UVM Register Modeling & Performance

A deeper understanding of these key aspects of UVM provides the verification engineer with the leverage necessary to go beyond the beginner level and excel at applying UVM concepts to a wide variety of applications. By delving into base-class code and concepts we demonstrate how cool the UVM is, and replace some of the awe with a pragmatic appreciation of what is going on behind the scenes.

Duration – 3 hours.

Organizer:

- Mark Litterick - Verilab GmbH.

Speakers:

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- Jason Sprott - Verilab Ltd.
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