

Scan & ATPG Using Mentor Tessent Tools

Course Description

The Tessent® Scan and ATPG course will drive the development of your skills and knowledge in scan and ATPG design utilizing the Tessent Scan, Tessent FastScan™, and the DFTVisualizer. During this course you will insert full scan in a design using Tessent Scan, and create high quality test patterns using the ATPG.

The hands-on labs are designed to reinforce key concepts through practical experience and to develop proficiency with the Mentor Graphics Tessent tool suite under the guidance of industry-expert instructors.

Course Duration: -- 2 Days.

Prerequisites: -- Basic DFT Concepts. Some knowledge of TCL is helpful.

EDA Tools: -- Mentor Graphics Tessent Scan, Tessent FastScan, DFTVisualizer, ModelSim/QuartaSim.

Course Outline

1) Day 1.

- a. Basic DFT Concepts.
- b. Scan Insertion Using Tessent Scan.
- c. ATPG Using Tessent FastScan.
- d. Hands-On Labs.

2) Day 2.

- a. Configuring Scan Chains.
- b. Test Patterns and Test Patterns Generation.
- c. Advanced Fault Models and Complex Pattern Generation.
- d. Hands-On Labs.