

Advanced Verification with Specman Elite



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Title:	Advanced Verification with Specman Elite (AVS) - v2.0	Type:	Instructor Led Course
Product Number:	82133	Price:	\$ 3,150.00 Refund Policy
Length:	3 Day(s)		
Description:	<p>This is an Engineer Explorer series course. The Engineer Explorer courses explore advanced topics. This course is a practical introduction to the Plan-to-Closure methodology and the underlying technologies used in order to implement the process using Incisive® Enterprise Specman® Elite.</p> <p>The three-day course introduces verification planning from high-level abstraction down to detailed verification implementation and how to apply the process to a realistic verification project. The course is designed to enhance both the verification process from the verification engineers' perspective as well as the management perspective through the comprehensive use of metrics.</p> <p>The course provides hands-on experience with a mix of lecture and lab.</p>		
Learning Objectives:	<p>This course addresses:</p> <ul style="list-style-type: none">• Goals and concepts of coverage-driven verification• Understanding the scope of the planning process• How to manage a verification brainstorming session• How to capture the results of a brainstorm into a coherent plan structure• Refine and evolve the plan during the verification development and execution• Translating verification plan features into coverage tables and code• Capturing different verification perspectives for the key stakeholders• Understanding coverage measurement and writing effective coverage code• Understanding the steps of Specman Elite random generation• Viewing the steps of random generation using the generation debugger• Creating high-level generation control using virtual fields and sequences of the eRM• Concepts of self-checking verification environments• Optimizing verification efficiency using profilers to identify bottlenecks		
Software:	Specman Elite		
Agenda:	<p>Day 1</p> <ul style="list-style-type: none">• Introduction to the planning process• Brainstorming the verification problem• Architecting the Verification Plan• Elaborating features into attribute tables <p>Day 2</p> <ul style="list-style-type: none">• Adding perspectives to the plan• Review of e coverage constructs• Implementing plan goals in e• Principles of generation• Review of Coverage Constructs in e• Technology dependent ordering• Unified coding guidelines• Implementing a generation scheme <p>Day 3</p> <ul style="list-style-type: none">• Generation API - sequences• Checking• Ranking and performance• Module to system reuse• Reusing sequences and coverage		
Audience:	This course is a follow-up to the Specman Elite Verification Environment Basics courses. All Specman Elite users will benefit by taking this course.		
Special Notes:			
Prerequisites:	Specman Elite Basics for Verification Environment Developers Specman Elite Basics for Verification Environment Users You must have completed one of the Specman Elite Basics for Verification Environment training courses and have some Specman Elite hands-on experience.		
Related Courses:	Specman Elite Basics for Verification Environment Developers Specman Elite Basics for Verification Environment Users		

Beijing, China
Tel. (86 10) 8287-2200
Fax (86 10) 6250-9241

Cadence Design Systems, Inc.
Web: www.cadence.com www.cadence.com.cn
Training: <http://www.cadence.com.cn/education>

Shanghai, China
Tel. (86 21) 6122-2300
Fax: (86 21) 6288-2602