GoldenGate class

Course Overview

A two day in depth class of detailed introduction to the application of GoldenGate
This course instructs designers to get familiar with GoldenGate concepts and simulations setups from basic (DC, AC, SP) to advanced simulations (Harmonic Balance, Envelope, Monte-Carlo)

What you will learn

Simulating existing Cadence designs in GoldenGate
The Simulation Problem
Transient, Harmonic Balance
Specifying Frequencies
VCO Analysis Divider circuits
Envelope Transient
Fast Envelope Transient
Noise analysis in the presence of blockers (desensitization)
Large-signal
S-parameter analysis
Monte Carlo Analysis

Course Type

User Application training.

Audience

Technical staff who works in an RF or microwave design environment and want a comprehensive introduction to the application of GoldenGate.

Prerequisites

Familiarity with RFIC concepts.
Cadence Virtuoso experience

Course Length

2 days

Course Format

This course combines lecture presentations with instructor guided hands-on lab exercises.

Detailed Course Agenda

Day 1:

Simulating existing Cadence designs in GoldenGate
The Simulation Problem
Transient,
Shooting-Newton, Carrier,
Specifying Frequencies
Large-signal
S-parameter analysis
VCO Analysis
Divider circuits

Day 2:

Envelope Transient
Fast Envelope Transient
Noise analysis in the presence of a blocking signal
Monte Carlo Analysis

Delivery Location

To be defined

Delivery Dates

To be defined