



Infiniteon Lab Days 2020

Pre-Silicon and Post-Silicon Verification June 3-4 | Development Center Dresden

Join the lab team and work in a state-of-the-art environment. Experienced experts and young talents share first-hand experience with you. Explore and master challenges of product development with high-tech tools, cutting-edge technologies and latest methods.

Time	Day 1	Day 2
09:00	Check-in and welcome coffee	Career Breakfast Meet DC team leaders, HR managers and see "one day in the life of an Infineon engineer"
09:30	Welcome to the DC Dresden Getting started energizer	
10:00	Session 1 Introduction to formal verification of digital designs	Session 4 Introduction to post-silicon verification of automotive products
12:30	Lunch & Walk ... discover Infineon premises	
13:30	Session 2 Formal verification of an Infineon microcontroller	Session 5 Post-silicon verification part 1: Embedded code for circuit preparation
15:00	Coffee & Talk ... meet DC students, PhDs and young professionals	
15:30	Session 3 Pre-silicon verification hands-on	Session 6 Post-silicon verification part 2: Measurements of circuit attributes
16:30	End of technical program	Wrap-up
17:00	Grill & Chill ... social event	End of Lab Days



Infineon Lab Days 2020

Pre-Silicon and Post-Silicon Verification June 3-4 | Development Center Dresden

Design follows function – Verification follows specification

- › Extract requirements for circuit block under test from datasheet
- › Understand application and importance of examined functions
- › Develop a test strategy to verify desired features

Pre-Silicon Verification – simulate your future silicon

- › Learn about state-of-the-art methods for the verification of digital designs
- › Get insights into the concepts of formal verification
- › Apply what you have learned in hands-on sessions and understand the challenges of a verification engineer
- › Bring your new skills to the next level by verifying a subsystem of a real Infineon microcontroller product

Post-Silicon Verification – work with real silicon

Put yourself in customer's position – program your own test application

- › Use the ARM KEIL µVision development environment for microcontroller programming
- › Arrange stimuli to prepare characterization of isolated functions

Proof your verification concept – measurements provide the answer

- › Use a highly automated PXI measurement system
- › Extract key features from data stream and complete verification

In content with the Infineon Lab Days, data processing takes place, and by registering, you consent to this data processing. It can be revoked at any time. You can find further information [here](#).

You are interested? Write an email to dc-dresden@Infineon.com with your full name, course of study, major fields, semester and why you want to join.

www.infineon.com/dc-dresden