

REAL-TIME WORKSHOP

Advanced Modeling, Simulation and Code Generation of Power Electronic Systems
Plexim GmbH, 19. February 2025

08:00	Registration
08:30	Introduction to PLECS Coder for Embedded Targets ▶ Embedded code generation motivation ▶ Code generation workflow ▶ Control task execution and timing ▶ Multitasking
09:30	Break
10:00	Tutorial 1: Workflow ▶ Blinking an LED ▶ Generate PWM output signals ▶ Use the external mode and parameter inlining
12:00	Lunch
13:00	Tutorial 2: Timing Configuration and Real-Time Setup ▶ Control task execution and timing ▶ Code generation workflow ▶ Real-Time Example
15:00	Overview and Introduction to the PLECS RT Box ▶ Hardware-in-the-Loop (HIL) ▶ Rapid control prototyping (RCP) ▶ Demonstration of a real-time simulation
16:00	End of workshop
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