PLECS WORKSHOP

Real-Time Simulation Using the PLECS RT Box
Plexim GmbH, 21. April 2027

08:30	Registration and Installation of Necessary Features
09:00	Overview and Introduction to RT Box Workflow using PLECS ▶I PLECS overview ▶I From PLECS offline models to RCP and HIL ▶I Code Generation
09:45	RT Box Introductory Exercise ▶I PLECS RT Box features Exercise: Introductory exercise using I/O ports
10:30	RT Box Library Overview
10:45	Break
11:00	Real-time Simulation of a Voltage Source Inverter (VSI) ▶I PLECS model creation using the target blocks library ▶I Deployment on the RT Box Exercise: Voltage Source Inverter (VSI)
12:00	Lunch
13:00	Solver Engine ▶I RT Box architecture ▶I Sub-cycle averaging concept ▶I FPGA simulation using FlexArray solver ▶I FPGA simulation using Nanostep® solver Exercise: Solver engine
15:00	Break
15:15	Solver Engine Exercise: Solver engine
16:00	RT Box Hardware-in-the-Loop (HIL) Application Demo, Q&A
16:30	End of Workshop
Contact	Plexim GmbH, +41 44 533 51 00, info@plexim.com
Location	Plexim GmbH, 3rd Floor, Zeppelin Wing, Technoparkstrasse 1, 8005 Zurich, Switzerland
Note	This workshop addresses to anyone who already has experience with the simulation software PLECS.

Plexim GmbH
Technoparkstr. 1
CH-8005 Zurich

+41 44 533 51 00
info@plexim.com
www.plexim.com

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