PLECS WEBSESSION

Advanced Modeling and Simulation of Power Electronic Systems
Warsaw University of Technology and PEL/IES Joint Chapter, December 3, 2020

12:00	**Magnetic Modeling & Simulation**
	▶️ Reluctance-resistance analogy approach
	▶️ Permeance-capacitance analogy approach
	▶️ Implementation in PLECS
	▶️ Magnetic component library
12:45	*Optional* - Break
13:00	**Introduction to the RT Box**
	Introduction
	▶️ Important modelling principles in PLECS
	Real-time testing concepts
	▶️ Rapid control prototyping (RCP)
	▶️ Hardware-in-the-loop (HIL)
	The PLECS Coder
	▶️ From offline to real-time
	▶️ Target support packages
	The hardware
	▶️ Hardware specifications and architecture
13:45	**Principle of a Processor-in-the-Loop Simulation**
14:00	▶️ Integration of PIL
	▶️ Framework into an embedded project
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