SEMINAR INVITATION

on 06.05.2026 in Västerås

Partner:

WÜRTH ELEKTRONIK MORE THAN YOU EXPECT

INVITATION TO THE FREE SEMINAR ON 06.05.2026 IN VÄSTERÅS

Würth Elektronik cordially invite you to the free Seminar on 06.05.2026 in Västerås.

The seminar was designed by engineers and technicians and is aimed at people who are interested in practice-oriented content, to get support in the development of error-free electronics and devices.

Main topics:

- MPS - Power Supply design fundamentals and component selection
- WE - Informed choice and selection of inductors and capacitors
- MPS - Power Supply design from an EMC perspective
- WE - Thermal Management 101

Seminar location:
Elite Stadshotellet Västerås
Stora Gatan 7, 722 15 Västerås Sweden

Wednesday, 06.05.2026 from 08:30 to 16:00 o'clock

Please register by 22.04.2026 as the number of participants is limited. You can find the registration here: www.we-online.com/seminar-registration

We would be pleased to welcome you to our seminar.

With kind regards
Würth Elektronik

AGENDA FOR THE FREE SEMINAR ON 06.05.2026 IN VÄSTERÅS

08:30 – 09:00	Registration
09:00 – 09:10	Introduction
09:10 – 10:15	Power Supply design fundamentals and component selection
10:15 – 10:30	Break
10:30 – 11:30	Informed choice and selection of inductors and capacitors
11:30 – 12:30	Lunch
12:30 – 13:45	Power Supply design from an EMC perspective
13:45 – 14:15	Break
14:15 – 15:30	Thermal Management 101
15:30 – 16:00	Questions / Wrap-up

MORE INFORMATION

MPS - Power Supply design fundamentals and component selection
There are many decisions to make when designing a SMPS, this session will take you through the initial design decisions when selecting the value of inductor and input and output capacitors. It will then look at the trade-offs in the design, the impact of these component choices and a review of the losses within the circuit. Then finally look at types of control topology and their influence on the transient response

WE - Informed choice and selection of inductors and capacitors
A practical and structured overview of how to select inductors and capacitors for DC/DC converter designs. For inductors it introduces concepts such as magnetic flux density, permeability, core behavior, and inductor losses and how they influence component performance in real designs. For capacitors it covers the fundamentals including permittivity, technology differences, lifetime, aging effects, and DC-bias behavior.
The session concludes with practical guidelines regarding rated current, saturation current, impedance, size, and overall performance to optimize power converter designs.

MPS - Power Supply design from an EMC perspective
This presentation will look at the sources of noise within a SMPS and identify common mistakes found in PCB design causing poor EMC performance. We will then look at good layout techniques to minimize EMC, tips for further improvement and the advantages achieved when using Spread spectrum clocking.

WE - Thermal Management 101
Unlock the secrets to keeping modern electronics cool and reliable!
A focused seminar where we explore the latest Thermal Management Solutions. Will take a look at practical, high-performance materials designed to improve heat dissipation in today's increasingly compact and powerful designs. We will walk through real examples of phase changing materials, graphite-based heat spreaders, gap filling foams, and thermal transfer tapes. Whether you work with power electronics, LED systems, or dense PCB layouts, this seminar will give you clear insights into choosing the right thermal interface for your application.