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WÜRTH ELEKTRONIK

Auxiliary Power Supply Workshop Tour

November/December 2019

Invitation to the workshop

“How to design an efficient offline auxiliary power supply”

Würth Elektronik eiSos GmbH & Co. KG and STMicroelectronics kindly invite you to this workshop that will examine the theory, components and PCB layout to ensure the best design for the following topologies:

- Low-power buck topology for mains applications
- Medium-power quasi-resonant flyback topology for power converters

Benefits you will take away

- Technical overview of buck and quasi-resonant flyback topologies
- Live session using eDesignSuite to analyze the impact of various components on circuit voltages and currents to determine the best design for your application
- Live session using an oscilloscope to observe waveforms in real-time, to study circuit voltages and currents and how they affect your application
- Tips and tricks to ensure the best PCB layout for your application

Please find below the r location and dates for the upcoming four seminars in November/December:

On Thursday, **14th November 2019**
from 8.30am to 4.30pm

Location
Hotel Witek
Handlowców 14,
32-085 Modlniczka, Kraków, **Poland**

On Wednesday, **20th November 2019**
from 8.30am to 4.30pm

Location
Würth Elektronik eiSos GmbH & Co. KG
Volmerstraße 10
12489 Berlin, **Germany**

On Wednesday, **27th November 2019**
from 8.30am to 4.30pm

Location
Radisson Blu Hotel Istanbul Asia
Atasehir Mah. Yakut Cad. No:10
Atasehir 34758 Istanbul, **Turkey**

On Wednesday, **4th December 2019**
from 8.30am to 4.30pm

Location
Avanti Hotel
Střední 61
602 00 Brno-Královo Pole, **Czech Republic**

Please register here for participation.
There is a limited amount of seats and since interest is usually high please register early to secure your seat!

We would be pleased to welcome you to our workshop.

Kind Regards

Würth Elektronik eiSos GmbH & Co. KG & STMicroelectronics

Agenda

How to design an efficient offline auxiliary power supply workshop

Registration & Welcome of our presenters	*8.30am to 9.00am*
Overview of buck and flyback topologies for mains applications in auxiliary supplies STMicroelectronics	*9.00am to 10.15am*
Presentation of ST's VIPer Plus series of converters for low power auxiliary power supplies STMicroelectronics	*10.15am to 10.45am*
Coffee break and networking	*10.45am to 11.00am*
Using power inductors for high-voltage buck converters Würth Elektronik	*11.00am to 11.45am*
Design considerations for quasi-resonant flyback converters and PWM controllers STMicroelectronics	*11.45am to 12.30pm*
Lunch break	*12.30pm to 1.45pm*
Live session: eDesign Suite for easy design (buck and flyback topologies) STMicroelectronics	*1.45pm to 2.30pm*
Using transformers for flyback converters Würth Elektronik	*2.30pm to 3.15pm*
Coffee break and networking	*3.15am to 3.30am*
Live session: Using oscilloscope waveforms to better understand circuit voltages and currents	*3.30 pm to 4.15pm*
Conclusion and summary	*4.15 pm to 4.30pm*