



WORKSHOP INVITATION

on 24 April 2024
in Sofia

Partner:



WÜRTH ELEKTRONIK MORE THAN YOU EXPECT

INVITATION TO THE PAID WORKSHOP **ON APRIL 24, 2024 IN SOFIA**

Würth Elektronik eiSos GmbH & Co. KG, in cooperation with STMicroelectronics and Rohde & Schwarz cordially invite you to a PAID WORKSHOP DAY on April 24, 2024 in city of Sofia.

The workshop is a next level practice-oriented opportunity for engineers to have a hands on measurement experience, related to the topics from the previous day free Technical Power & EMI Design Seminar.

The cost of the workshop day per person is 100 BGN, including VAT.

Main topics:

- Efficient EMI Filtering of Common and Differential Mode Noise / Würth Elektronik
 - Noise Sources and Filtering Design
 - Interference Suppression
 - Y-Cap placement and PE connection style
- EMI Debugging using Oscilloscope, Spectrum Analyzer and EMI Receiver / Rohde & Schwarz
- DCDC L698x family - hands on boards / STMicroelectronics
- Comparison of dithering vs no dithering / STMicroelectronics
- Software tools for good design of DCDC / STMicroelectronics
- Low consumption vs Low noise DCDCs / STMicroelectronics

Workshop location:

Hotel Expo Sofia

149 Tsarigradsko Shosse Blvd, Sofia – [MAPS LINK](#)

Wednesday, 24. April 2024 from 9:00 a.m. to 5:00 p.m.

Free parking for the participants is available in the hotel parking, until filled the parking area.

Please register by April 12.2024 as the number of participants is limited to maximum of 25 persons.

If you wish to register more than two persons from one company, please check the possibilities with the organization team in advance!

The registration process will follow a direct contact with you by the organization team and your participation confirm will be secured with your payment of 100 BGN received latest at April 15, 2024.

You can find the registration here: www.we-online.com/seminar-registration

Please contact below for possible questions:

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We would be pleased to welcome you to our workshop.

With kind regards

Würth Elektronik eiSos GmbH & Co. KG & STMicroelectronics & Rohde & Schwarz

AGENDA FOR THE PAID WORKSHOP

ON APRIL 24, 2024 IN SOFIA IN SOFIA

08:40 – 09:00	Registration and coffee
09:00 – 12:00	Part 1 (Coffee break on your demand)
12:00 – 14:00	Lunch Break / in the hotel Restaurant
14:00 – 17:00	Part 2 (Coffee break on your demand)
17:00	End of the workshop day

Equipment in use:

- | | |
|------------------------|------------------------|
| - ZNL20 | - Network Analyzer |
| - EPL1000 | - EMC Receiver |
| - ESR7 | - EMC Receiver |
| - HZ-17 | - Near Field Probe Set |
| - MXO4Series | - Oscilloscope |
| - RTO64 | - Oscilloscope |
| - FPL1000 | - Spectrum Analyzer |
| - ENV216 | - LISN |
| - AMN6500 | - LISN |
| - Isolated Transformer | |

Topics:

- Identify Noise Sources
- Selecting Components for filtering
- 1-stage filter design / 2-stage filter design
- Calculation and simulation
- Measurements of interference suppression
- Y-Cap placement and PE connection style
- EMI Debugging using Oscilloscopes, Spectrum Analyzers and near field probes
- DCDC L698x family - hands on boards
- Software tools for good design of DCDC
- Low consumption vs Low noise DCDCs

Presented by:

**Mr. Lorandt Foelkel, M.Eng, Field Application Engineer & Product Development Manager,
Würth Elektronik eiSos GmbH & Co. KG**

Mr. David Tupy, Application Engineer, EMEA Analog & Sensors Team, STMicroelectronics

**Mr. Hamza Bouaiba, Product Marketing Manager, EMEA Analog Products,
STMicroelectronics**

Mr. Mathias Hofer, Application Engineer EMC, Rohde & Schwarz