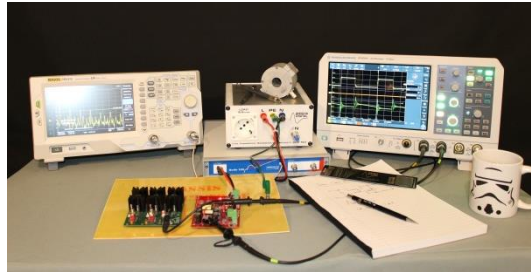


Aschheim (Near Munich) November 20th to 22nd 2018

Exclusive 10% discount for Future Electronics customers



Learn to design input and output filters to meet the specifications required to pass the EU's conducted emission tests

Day 1: Introduction to EMI Filter Design

- Passing the EU's conducted emissions tests and complying with relevant standards
- Filter design from ground up including LC & Pi filters with and without damping
- Power supply stability, Middlebrook's stability criteria and input filter interaction
- Becoming comfortable with using spectrum analysers, LISNs and network analysers
- Many hands-on Labs, including:
 - LISN and Spectrum Analyser set-up for pre-compliance EMC testing
 - Step-by-step input and output filter design, implementation and testing

Day 2: AC/DC Line Filter Design

- Determining our harmonic content using estimations, free tools and Spice simulations
- Detailed study of Pi filters and step-by-step design down to component level
- High power DC-DC Line filter design & Biricha's Line Filter Design Tool
- Many hands-on Labs, including:
 - DC-DC Filter design for high power applications
 - Pi filter design, implementation and measurement
 - Common Mode filter design

Day 3: AC/DC Line Filter Design

- AC/DC line filter design for PFC stages
- Designing high order/2-stage EMI filters
- AC-DC Line filter design & Biricha's step-by-step Line filter design guide
- AC-DC Line filter design & Biricha's Line filter design software
- Many hands-on Labs, including:
 - AC/DC Line filter design, test and measurement for PFCs
 - High order 2 stage filter design, test and measurement
 - Correct component selection for EMI filters

For full details, syllabus and registration, please visit

www.biricha.com/future

