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# KIT2016: Paris, France September 13

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Sep 13, 2016 | 9:00 AM - 5: 00 PM

## Things to Know:

- Check-in begins at 8:30 AM
- Lunch and coffee breaks provided

## Agenda

### Capacitor Design & Characteristics

For each component type we will discuss the materials used in the design, how differences in construction techniques affect their performance, and important characteristics to consider in your design.

- Ceramic Capacitors
- Polymer Capacitors
- Tantalum Capacitors
- Film X&Y and Power Film Capacitors
- AC Line Filter
- Aluminum Electrolytic Capacitors
- Filters

### Application Areas

Applying the information learn in the previous sections, discussions focus on how to apply those characteristics to real-world applications.

- Parasitics in Capacitors
- Dielectric Comparison
- X2 Suppression Capacitors
- AC Line Filters
- Self Heating
- Film versus Aluminum Electrolytic Capacitors
- Tantalum Capacitors versus Polymer Capacitors and MLCC's
- K-SIM
- Self Resonance Frequency
- End of Life Calculations
- Filters and Power Factor Correction

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For any updates or changes to this event,  
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