

# Wednesday, April 13, 2016

## WHAT IS KEMET INSTITUTE OF TECHNOLOGY (KIT)?

KIT is a FREE technology workshop based on classroom instruction and live discussion covering details on how capacitors and other passive components are made, how they work, and their applications. Seminar topics vary in technical complexity and are geared toward engineers, technologists, designers, and technical decision makers using capacitors in their products.

Makaranga Garden Lodge, No 1A  
Igwababa Road, Kloof, 3610  
KwaZulu-Natal, South Africa

<https://ec.kemet.com/kit-events/durban>

## AGENDA

### KIT2016: Durban Industrial Applications

#### WEDNESDAY, APRIL 13, 9:00 AM – 4:00 PM

Check-in Begins at 8:30 AM

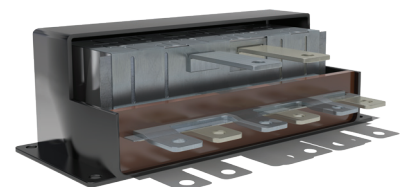
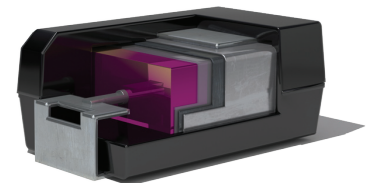
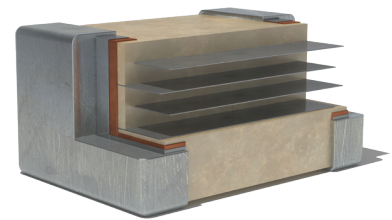
- Welcome & Introduction
- Lunch & Coffee Breaks Included

Capacitor Design & Characteristics for:

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

Application Areas:

- Parasitics in Capacitors
- Dielectric Comparison
- Tantalum Capacitors Versus Polymer Capacitors and MLCCs
- KSIM and LT SPICE
- Self Resonance Frequency
- X2 Suppression Capacitors
- AC Line Filters
- Self Heating
- Film Versus Aluminum Electrolytic Capacitors
- End of Life Calculations
- Filters and Power Factor Correction



## REGISTRATION AND MORE INFORMATION

Please use the registration form at <http://www.kemet.com/kit> to reserve your spot. For additional information or questions please contact the KIT team at [kit@kemet.com](mailto:kit@kemet.com).

