# Teledyne LeCroy - "Power Measurement and Analysis of Switched-Mode Power Supplies"

IEEE and Nidec Motors is hosting a free measurement and analysis workshop using oscilloscopes.

## When: Wednesday, March 6, 2019 from 10 am to 2 pm. Lunch will be provided.

## Where: Nidec Motor Technology Center, 8050 W. Florissant Ave, St. Louis, MO 63136

Seats are limited & available on a first come, first served basis. RSVP required.

#### Please RSVP to Mark.Horner@Tec-Rep.com by Friday, March 1st @ Noon to reserve your seat.

#### What to Expect?

This seminar overviews techniques for characterizing and debugging switch mode power supplies, including saturation voltage, safe operating area, and control loop response analysis.

**Topics include:** Automatic switching device measurements, transition losses, device saturation, conduction loss, dynamic-on resistance, safe operating area (SOA), capturing upper and lower gate drive signals, switch mode power supply control loop response analysis, dV/dt measurements, apparent power, real power, power factor, best practices for probing power circuits, methods for current and voltage deskew, power supply ripple measurements, analysis of power device switching losses, power quality, line power and current harmonics, and total harmonic distortion.

**About the Presenter:** Mike Hertz has been a Field Applications Engineer with Teledyne LeCroy in Michigan for 18 years. Before joining Teledyne LeCroy, he worked in Applications and Marketing with both Agilent Technologies and Hewlett-Packard in Colorado. He holds a BSEE from Iowa State University and an MSEE from the University of Arizona. Hertz is an Eta Kappa Nu electrical engineering honorary recipient, has published over 50 articles in the field of test and measurement, and has been awarded 6 U.S. patents in oscilloscope measurement design.

Local contact is Mark Horner - 314.731.9009 - Mark.Horner@Tec-Rep.com

