

# Transformer Concepts & Applications Seminar

HOSTED BY PROLEC GE WAUKESHA

Prolec GE Waukesha  
400 South Prairie Avenue  
Waukesha, WI 53186

waukesha  
a prolec ge company

TIME	DAY 1
7:30 – 8:00	Check In / Assemble
8:00 – 8:15	Welcome and Introductions
8:15 – 9:45	Transformers 101: Transformer Specification and Economics of Transformer Design
9:45 – 10:00	Break
10:00 – 11:00	Electrical Design Process
11:00 – 12:00	Mechanical Design Process
12:00 – 12:45	LUNCH
12:45 – 2:45	Plant Tour
2:45 – 3:00	Break
3:00 – 3:45	Transformer Magnetic Circuit
3:45 – 4:30	Stray Losses
4:30 – 5:15	Transformer Controls and Schematics
5:45 – 7:45	GROUP DINNER TBD
5:45 – 6:30	Refreshments & Appetizers
6:30 – 7:45	Dinner

<b>TIME</b>	<b>DAY 2</b>
8:00 – 9:00	Fundamentals of Insulation Design
9:00 – 10:00	Short Circuit Design
10:00 – 10:15	Break
10:15 – 11:00	Tap Changers
11:00 – 12:00	Transformer Components & Accessories
12:00 – 12:45	LUNCH
12:45 – 1:30	Thermal Design Considerations
1:30 – 2:15	Dissolved Gas Analysis
2:15 – 3:15	Plant Tour
3:15 – 3:30	Break
3:30 – 4:45	Factory Testing of Transformers
4:45 – 5:30	Evolution of Transformer Technology
5:30 – 5:45	Attendee's Choice Selections
<b>TIME</b>	<b>DAY 3</b>
8:00 – 9:00	Installation and Field Testing
9:00 – 10:30	Attendee's Choice: 1) CAD CAM Demonstration 2) FEA Demonstration 3) Other – write in (perhaps time with specific presenter)
10:30 – 10:45	Break
10:45 – 11:30	Feedback, closing comments, distribution of certificates
11:30 – 1:00	BOX LUNCHESES delivered at 11:30am. Those who want to stay to speak with presenters are welcome to stay until 1:00. Those that need to leave are welcome to take a box lunch with them.