

TIC 2 Day CPD Master Class – Power Transformer Insulation

Program Melbourne 24-25th Oct 2019

Venue: Wilson Transformer Company, Glen Waverley, Melbourne

Day 1, 24 Oct 2019

8.30-9.00	Registration	
9.00-9.15	Welcome	Ray or Tapan
9:15 -10:00	Session 1 The making of cellulosic insulation	Chris Krause Weidmann
10.00 -10.30	Morning Tea	
10.30- 11:45	Session 2 Core Type Windings and their selection criteria Internal insulation of core type transformers	Deepak Maini WTC
11:45-12.30	Session 3 Insulation components – quality features	Chris Krause Weidmann
12.30- 1.00	Lunch	
1.00- 1.45	Session 4 Insulation design principles	Chris Krause Weidmann
1:45-2:30	Session 5 Electrical Stresses and Insulation (AC and Impulse, FEM plots?)	Deepak Maini WTC
2.30- 3.00	Afternoon tea	
3.00- 4.15	Session 6 Thermal Stresses and insulation	Deepak Maini WTC
4:15- 4.30	Session 7 Questions and open floor discussion	All
4.30 4.30-5.00 5.00-6.00	Close Update on TIC Research Projects and CPD courses Pizzas/refreshments.	Ray Holzheimer University of Queensland

Note The program may change. Refer to our website for the latest version. <http://www.itee.uq.edu.au/tic-cpd>

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Day 2, 25th Oct 2019

8:00 -9:00	Session 8 Insulation drying	Chris Krause Weidmann
9.00 -10.00	Session 9 Static clamping of windings – short-circuit strength	Chris Krause Weidmann
10.00 -10.30	Morning Tea	
10.30-12.30	Session 10 Short circuit force and insulation Coil clamping	Deepak Maini WTC
12.30- 1.00	Lunch	
1.00- 2.30	Session 11a Test (45mins) 1) Dielectric Test – Purpose 2) Dielectric Test – setup 3) Dielectric Test – facility at WTC Session 11b Factory Tour (45mins) Various Insulation components used in Transformer <ul style="list-style-type: none"> • Coils sizing/Isostatic pressing of coil/Insulation • Processing and Vapour Phase drying • Quality aspect of Insulation while manufacturing 	Arun Mathur WTC Bijay Lal WTC
2.30-3.00	Afternoon tea	
3.00 – 3.45	Session 12 Transformers’ secret killers	Chris Krause Weidmann
3.45 - 4.15	Session 13 Questions and open floor discussion	All
4.15- 4:30	Closing of Course	Ray Holzheimer University of Queensland