

Centre for Power Transformer Monitoring, Diagnostics and Life Management

Program of CPTM Seminar to be held in Brisbane at Powerlink's Premises on 7 Sep 07

Time of Day	Description
9:00	Arrival. Introduction. List of Attendees
9:15-10:00	Update on development of the Centre: <ul style="list-style-type: none"> • Presenting the Centre for Power Transformer Monitoring, Diagnostics and Life Management • Facilities and capabilities of the Centre • Monash Special Test Transformer
10:00-11:00	Some results of Monash's research into transformers: <ul style="list-style-type: none"> • Overview of research into moisture in transformers conducted at Monash since 1994 • Moisture dynamics during loading and overloading • Accelerated ageing • Vegetable oil for transformers
11:00-11:15	Tea/Coffee break
11:15-12:00	Condition assessment of operating transformers (case studies): <ul style="list-style-type: none"> • Moisture assessment • Effect of moisture on some oil tests
12:00-13:00	Progress with the Centre's field program: <ul style="list-style-type: none"> • On-line dryout of CitiPower's 10 MVA transformer (1952 vintage) • On-line monitoring of SP AusNet's 150 MVA transformer (2003 vintage) • On-line monitoring of Country Energy's 10/16 MVA vegetable oil filled transformer (2005 vintage) • Lessons learned from the field program so far
13:00-14:00	Lunch
14:00-14:45	20 MVA transformer failure investigation
14:45-15:15	Presenting the 7-Transformer Proposal: Why is it important for utilities to know the differences between performances of the kraft vs. thermally upgraded papers, mineral vs. vegetable oils, free breathing vs. rubber bag vs. nitrogen head space oil preservation systems?
15:15-15:45	Discussion into the future of the Centre: <ul style="list-style-type: none"> • More close engagement of the Centre with industry • Possibilities for field project(s) at Queensland utilities • Possibilities for involvement of utility staff in Centre's matters • Development of a mechanism encouraging utilities to contact the Centre staff and Arne Petersen (as the Centre's consultant) for discussion of issues and/or for expert advice* <ul style="list-style-type: none"> ○ * <u>Note</u>: A line is to be drawn between a quick answer on the phone and a matter to be treated as a consulting
15:45-16:00	Questions
16:00	Adjourn

21 Aug 07

Dr. Valery Davydov
Centre Director