

A very special Webtute on transformer thermal modelling to be held on the 6th October

Ten years ago, CIGRE's transformers thermal modelling Study Committee Working Group (A2.38) visited Australian shores to teach us about this important topic. It will be great to find out what has been done since then in the latest Working Group. This shows friendships and networks made through CIGRE endure over the years. The engine room of CIGRE continues to operate during COVID.

The tutorial will provide a review of the ongoing IEC and CIGRE activities associated with dynamic thermal behaviour, and the modelling and testing of power transformers. In the first part, presented by Dejan Susa, the updates and restructure introduced in the upcoming major revision of the four parts of IEC 60076 standards covering the thermal aspects of power transformers (i.e. Parts -1, -2, -7 and -14) will be presented. The second part of the tutorial will cover the evolution of the IEC 60076-7 loading guide thermal model and test methods for the thermal and dynamic thermal rating models parameterisation. Next, Tim Gradnik will present the activities and progress of the CIGRE Working Group A2.60, focused on review of the state-of-the-art tools and approaches to power transformer dynamic thermal modelling, development of an open-sourced dynamic transformer thermal benchmarking platform and future improvements of the standard IEC modelling and parameterisation. Seamus Allan will give some examples of how utilities and asset managers are utilising thermal models in their day-to-day work, illustrating why the work of A2.60 and IEC60076 is important and applicable. Finally, Yuriy Odarenko will talk from a manufacturer's perspective.

Hosted free of charge by Australia Panel A2's Tara-lee MacArthur and New Zealand's A2 Panel convener Dan Martin. Q & A moderated by NGN member Judith Marks.

Join us to unwrap these developments that bring new and informative knowledge to power systems transformer predictive modelling and our understanding of in-service behaviour.

CIGRE Webtute on Dynamic Thermal Behaviour of Power Transformers

Wed, Oct 6, 2021 7:30 AM - 9:00 AM (QLD AST), 8:30 AM – 10:00 AM (NSW, VIC and TAS ADT), 10:30 AM – 12:00 PM (NZDT)

Please join my meeting from your computer, tablet or smartphone.

<https://www.gotomeet.me/cigrengaustalia/dynamic-thermal-behaviour>

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