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EDITORIAL MESSAGE



Dear Readers,

e wish you a happy and prosperous 2015! As we start off our second year in print, we will try to bring you even more useful, topical and interesting content while you can guide us with your suggestions and constructive comments.

In this issue, Transformers Magazine brings you a wide range of technical articles and two interviews.

In the interview Dr. Daniel J. Tschudi, Executive Vice President of WICOR Group, shares his views on transformer insulation and monitoring.

Kenneth Budin provides guidance on world's best practices in transformer transport, installation and commissioning. These final stages of the supply chain are equally important as transformer design, manufacturing process and factory acceptance testing.

In their article Mladen Banovic, P Ramachandran, Navin Rego and Pavel Justiz put forward a summary of the discussion on the significance of CO₂/CO ratio in dissolved gas analysis, which was held in Transformers forum on LinkedIn. The authors tried to collect various experiences and present problems which can be faced in different regions of the world, trying to enhance communication about technical problems on a global scale without an intention to impose their personal views.

Emir Šišić provides fundamentals on dissolved gas analysis, one of the most efficient diagnostic methods for fluid filled transformers.

Georg Daemisch brings forward a description of how an expert can assess transformer state based on the data and given conditions. The author further discusses

how to provide the user with a necessary planning base for an improved purchase, and mid- and long-term budget plans which would assure reliable service and satisfy needs for economical and sustainable operation.

In their article Asghar Barghandan and Behzad Sedaghat introduce the reader to the phenomenon of switching of shunt reactors grounded through a neutral reactor, which can lead to severe overvoltage transients. There are several methods to mitigate this phenomenon, and this article investigates and compares three of them.

Christoph Denk describes energy efficiency programmes which are being introduced in many countries, and which require reduction of transformer losses. Improving efficiency goes hand in hand with costly change in design and materials, and also with the ability to detect the improvement by reducing the measurement uncertainty. Thus, highly accurate loss measurement becomes more and more important.

Peter Markowski writes about new generation of finite element analysis software which simulates high frequency phenomenon with much higher accuracy.

In the interview James Tabbi, President of The Transformer Association, gives an insight in the association and shares his view on the future of transformers.

I hope you will find something interesting in this issue and that reading it will be a pleasurable experience.

Mladen Banovic, Editor-in-Chief

