

1. **(Invited Paper)** B. Jurišić, T. Župan (Končar Electrical Engineering Institute, Croatia), G. Plišić (Končar Power Transformers Ltd, Croatia), A. Xemard (Électricité de France R&D, France), B. Filipović-Grčić (University of Zagreb, Croatia)  
**On site measurement and simulation of transferred lightning overvoltages in power transformers**
2. B. Gustavsen (SINTEF Energy Research, Norway), A. Martins (University of Porto, Portugal), L. Braña, R.C. Lopes, P. Lima, A. Soto (Efacec Energia - Máquinas e Equipamentos Eléctricos, Portugal)  
**Small Signal Internal Voltage Transfer Measurements and White-Box Transient Calculations for Non-Standard Test Conditions of a Shell-Form Power Transformer**
3. B. Bosnjak, D. Nowak, R. Sitar, J. Walker (Hyundai Electric Switzerland AG, Switzerland)  
**Numerical Computation of the Vibroacoustic Behaviour of an Oil-Immersed Power Transformer**
4. J. Raith, Ch. Bonini, M. Scala (Siemens AG, Austria)  
**Simulation of long-term transformer operation with a dynamic thermal, moisture and aging model**
5. B. van der Aa (Royal SMIT Transformers (SGB-SMIT group), Netherlands)  
**Axial Vibration Response of an Oil-immersed Transformer Winding-set**
6. I. Žiger, D. Krajtner, B. Bojanić (Končar – Instrument Transformers. Inc, Croatia)  
**Internal fault performance of instrument transformers with sectioned active part**
7. S. Frlijić, B. Trkulja, Ž. Štih (University of Zagreb, Croatia)  
**Calculation of Eddy Current Losses in Iron Core of Transformer**
8. I. Konta, D. Papić (Končar – Instrument Transformers. Inc, Croatia), D. Filipović-Grčić, D. Brezak (Končar Electrical Engineering Institute, Croatia)  
**Line discharge capability of inductive voltage and combined transformers**
9. K. Petrović, B. Jurišić, T. Župan (Končar Electrical Engineering Institute, Croatia)  
**Appropriate Modeling of Transformer High Current Leads in 3D FEM**
10. S. Goglia (Končar Power Transformers Ltd, Croatia), T. Župan, B. Jurišić (Končar Electrical Engineering Institute, Croatia), K. Capuder (Končar Power Transformers Ltd, Croatia)  
**Dimensioning stabilizing windings for Y-Y transformers**
11. L. De Mercato (ABB PG Transformers Development Center, Switzerland)  
**A Numerical Procedure for Rapid Seismic Assessment of Transformers and Comparison with Experiments**
12. A. Daneryd, K. Sahu (ABB Corporate Research, Sweden), L. De Mercato (ABB PG Transformers Development Center, Switzerland), C. Lagerström (ABB Corporate Research, Sweden)  
**Prediction of Outdoor Air Core Reactor Coil Vibro-Acoustics Properties**
13. I. Telalović, J. Novosel, F. Kelemen (Končar Power Transformers Ltd, Croatia)  
**Determining natural resonant frequencies of large power transformer windings**
14. L. Štrac, J. Haramustek, M. Dorešić, D. Švarc (Končar Power Transformers Ltd, Croatia), B. Jurišić (Končar Electrical Engineering Institute, Croatia)  
**Measurement of Circulating Currents in Split-Winding Transformer and Comparison with Numerical Calculation**
15. M. Tahir, S. Tenbohlen (University of Stuttgart, Germany)  
**Novel Calculation Method of Power Transformer Winding Fault Detection using Frequency Response Analysis**
16. M. Tahir, S. Tenbohlen (University of Stuttgart, Germany)  
**A Novel Approach for High Frequency Modelling of Power Transformers to Support Frequency Response Analysis**
17. T. Župan (Končar Electrical Engineering Institute, Croatia), B. Čučić, Ž. Tašner (Končar - Distribution & Special Transformers Inc.)  
**Coupled Electromagnetic-Thermal Model Applicable for Distribution Transformers**
18. C.C. Linhares, R.R. Teixeira, C. Coutinho, J.S. Costa, J.E. Santo, M. Pinto, S.M.O. Tavares, H. Mendes (Efacec Energia, Máquinas e Equipamentos Eléctricos S.A., Portugal)  
**Experimental modal analysis of power transformer windings**
19. A. Drandić, B. Trkulja, Ž. Štih (University of Zagreb, Croatia)  
**Influence of conductor transposition on transformer winding RLC parameters**

20. J. Wojtkun, B. Bródka (Power Engineering Transformatory Sp. z o.o., Poland), D. Stachowiak (Poznan University of Technology Faculty of Electrical Engineering, Poland)  
**The magnetic flux density distribution in the anisotropy transformer core**
21. M. Pirnat, P. Tarman (KOLEKTOR ETRA d.o.o., Slovenia)  
**Strongly coupled 3D acoustic-mechanical finite element model for calculation of transformer load noise**
22. Á. Portillo (Independent Transformer Consultants, Uruguay), L.F. de Oliveira (WEG – Power Transformers, Brazil), F. Portillo (Independent Transformer Consultants, Uruguay)  
**Calculation of Circuit Parameters of High Frequency Models for Power Transformers using FEM**