

**PS1: Transformers Reliability on Technical, Economical and Strategic Aspects**

	<b>Title</b>	<b>Author(s)</b>	<b>Country</b>
01	Economic and Environmental Impact of Recent Transformer Fires - Australian and New Zealand Experiences	A. Petersen, P.L. Austin	Australia
02	Oil Corrosion and Cu <sub>2</sub> S Deposition in Power Transformers	C. Bengtsson, M. Dahlund, K. Gustafsson, J. Hajek, A. Hjortsberg	Sweden and Switzerland
03	On-line monitoring and reliability : French nuclear generation experience and strategy	J. Patelli, A. Tanguy	France
04	Impact of Winding Temperature Indicator on Transformer reliability	J. Aubin, C. Rajotte	Canada
05	Deterioration in Static Electrification of an Aged Transformer	T. Kobayashi, K. Yajima, Y. Ebisawa, N. Hosokawa Y. Shirasaka	Japan
06	Comparability of Dielectric Analysis Results on Power Transformers	T. Leibfried, M. Stach	Germany
07	Diagnostics and Maintenance as Prerequisites for Transformer Reliability	I. Höhle, A. J. Kachler, U. Thieß, M. Stach, T. Leibfried	Germany
08	Ageing and Diagnostic of Freebreathing Power Transformers at Service Temperature – Effect of Oil, Air and Moisture	I. Höhle, A. J. Kachler	Germany
09	Characterization of a new cable insulation material for oil-filled power transformer	L.C. Bates, K.W. Dunnivant, R.P. Marek, T.A. Prevost	USA
10	Reliability problems with Large Power Transformers and Shunt Reactors. Typical failure modes and failure causes	V. Sokolov, S. Tsurpal, A. Drobyshevski	Ukraine and Russia
11	Short-circuit performance of power transformers. Transformer Testing for reliability's increase of electric power supply	A. Y. Khrennikov	Russia
12	Experience in Diagnostics and Repairs of Power Transformers for Extending their Maintainability and Life Time	A.P. Dolin, A.Y. Lenkov, V.V. Smekalov	Russia
13	Investigation of the effect of transformer cell design on thermal rating of transformers	J. Declercq	Belgium
14	Defect analysis integration for power transformers	C.J. Dupont, D.M. Falcao	Brazil
15	Engineering Reliability: UK Experience of 400 kV 800 MVA Generator Transformers	A.C. Hall, J.A. Lapworth	UK
16	Transformer On-Line Monitoring and Diagnostics System: A Case Study at Furnas Vitória Substation in Brazil	A. Vita, L. Cheim, J.G. Gervino	Brazil
17	Specification requirements for reliable Wind Farm Transformers	B. Richardson	UK
18	Reliability based on evaluation of insulation and mechanical conditions of step-up transformers of Guri Power Plant at CVG EDELCA in Venezuela	J. Varela	Venezuela
19	Non-invasive Ageing Assessment by Means of Polarization and Depolarization Current Analysis and its Correlation with Moisture Content for Power Transformer Life Management	H. Silva, W. Bassi, A. Diogo	Brazil

**PS2: New Development of electrical transients on transformer performances**

	<b>Title</b>	<b>Author(s)</b>	<b>Country</b>
20	Analysis, Simulation and Testing of Transformer Insulation Failures Related to Switching Transients Overvoltages	J. Lopez-Roldan, H. de Herdet J. Declercq, K. Leuven M. Popov, L. Van Der Sluis	Belgium & Netherlands
21	Voltage transients as a possible cause for a HVDC Power Transformer failure	F. Devaux, J. Prins, M. Saravolac	France
22	Impact of GIC for designing power transformers	P. Hurlet	France
23	Interaction between power electronic components and distribution transformers – Risk evaluation and mitigation techniques	P. Boss, G. Bajog	Switzerland
24	Transformer Internal Over-voltages caused by Remote Energisation	J. Lapworth, P. Jarman, T. Breckenridge	UK