

## **REGIONAL CONFERENCE - ASSET MANAGEMENT**

- [P101](#) Asset management and the end-of-life issue
- [P102](#) Expected life time and maintenance/upgrade strategy for aged transformers
- [P105](#) Decision on maintenance period for power transformer based on reliability simulation

## **REGIONAL CONFERENCE: TRANSFORMERS**

- [P501](#) Thirteen years test experience with short-circuit withstand capability of large power transformers
- [P502](#) Predicting transmission transformer condition status using DGA signatures
- [P503](#) Interpretation of frequency response analysis (FRA) Results for diagnosing transformer winding deformation
- [P504](#) Aspects of the practical application of sweep frequency response analysis (SFRA) on power transformers
- [P505](#) Determining of pole-zero representation of FRA measurement data for interpretation of power transformer transfer function deviations
- [P506](#) Protection of oil-filled transformer against explosion
- [P507](#) Quality assurance of insulating oil for use in new transformers
- [P509](#) Comparing various moisture determination methods for power transformers
- [P510](#) Environmental friendly insulating liquids - a challenge for power transformers

## **STUDY COMMITTEE A2: TRANSFORMERS**

- [C101](#) Short-circuit resistant power transformers - prerequisite for reliable supply of electrical energy
- [C102](#) Addressing the requirements of an ageing fleet of transmission transformers on the Eskom transmission network
- [C103](#) Eskom Transmission experience in procuring system transformers outside South Africa
- [C104](#) Different approaches for the acquisition and evaluation of reliability statistics
- [C105](#) End-of-life modeling for power transformers and reliability of aged power system networks
- [C106](#) Evaluating and managing transformer factory acceptance test statistics as performance criteria
- [C107](#) Gassing and oxidation behaviour of insulating fluids under thermal stress
- [C108](#) Managing a large and aging transformer fleet
- [C109](#) Effects of on-line reclaiming on the corrosive sulphur content of transformer oil
- [C110](#) A path-way to cope with the dilemma of aging assets, limited capital expenditure, reduced budgets for maintenance and the remaining need to supply electricity at unchanged quality
- [C111](#) Development of methods of evaluation of power transformer insulation aging taking into account random exploitation factors