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Diagnostic Testing and Condition Monitoring Methods

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Message from the Guest Editors

The “*condition monitoring and diagnostics of in-service power apparatuses*” is very essential to enhance the performance of power networks and to gain better asset management. A feasible approach to achieve these is to provide an optimized reliability-oriented maintenance scheme targeting a broader spectrum of power system apparatuses. The relevant condition monitoring techniques and pertinent data obtained would not only provide a real-time electrostatic field stress faced by the power system apparatus, but also remain a valuable input for improving the design criteria and insulation material. In some cases, a clearer picture regarding the condition of the materials used, their rate of deterioration and the corresponding stress conditions that initiate incipient fault conditions can be obtained. In this context, more work is being carried out worldwide by research institutions, universities, industries and field data collected by engineers, utilities and power plant arrangements. This **Special Issue** provides a platform to discuss these aspects and share the knowledge gained in the public domain.



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Special Issue



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Message from the Editor-in-Chief

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