

Health Monitoring and Fault diagnostics in rotary machinery systems

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Abstract:

This talk is devoted to present state-of-the-art and some recent results on the health monitoring and fault analysis of rotary machinery systems with an emphasis on application to low speed rotary systems. Specifically, application of these results to fault diagnostics in wind turbines are presented at component levels. Then, some results on both model-based and data-driven methodologies for this research will be addressed for wind turbines. Finally, some concluding remarks are provided.