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Altri autori (Persone)	TavnerPeter J. <1946->
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Nota di contenuto	Contents; Preface; Acknowledgments; Nomenclature; 1 Introduction to condition monitoring; "2 Construction, operation and failure modes of electrical machines"; 3 Reliability of machines and typical failure rates; 4 Instrumentation requirements; 5 Signal processing requirements; 6 Temperature monitoring; 7 Chemical monitoring; 8 Vibration monitoring; 9 Electrical techniques: current, flux and power monitoring; 10 Electrical techniques: discharge monitoring; 11 Application of artificial intelligence techniques; 12 Condition-based maintenance and asset management Appendix: Failure modes and root causes in rotating electrical machines Index
Sommario/riassunto	As engineering processes are automated and manpower is reduced, condition monitoring of engineering plants has increased in importance. This is a first edition of this book, written by Taver & Penman was published in 1987. The economics of industry has now changed, as a result of the privatization and deregulation of the energy industry, placing far more emphasis on the importance of the reliable operation of a plant, throughout the whole life-cycle, regardless of first

cost. The availability of advanced electronics and software in powerful instrumentation, computers and Digital Signal Process
