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Nota di contenuto	Cover; CONTENTS; EDITORIAL ADVISORY BOARD; Guest editorial; Prediction of system reliability for single component repair; A structured approach for the assessment of system availability and reliability using Monte Carlo simulation; Evaluation of the uncertainty affecting reliability models; Basis pursuit-based intelligent diagnosis of bearing faults; Feature-based fault diagnosis system of induction motors using vibration signal; Real-time degradation monitoring and failure prediction of pulse energy conversion systems; Strain monitoring of railway bridges using optic fiber sensors Maintenance alternative integration to prognosis process engineering
Sommario/riassunto	This e-book gathers the extended and updated versions of 8 papers selected among 58 from the IMS 2004 international conference, which was held in Troyes, France, in July 2004. They introduce some original approaches and new results that thrust to a real-world predictive maintenance application. This e-book also aims at promoting the development of intelligent and efficient maintenance systems, to reach failure risks closer to zero. The selected papers offer methods enabling a satisfactory operational availability of machineries, through the monitoring, the diagnosis, the forecasting and the de

