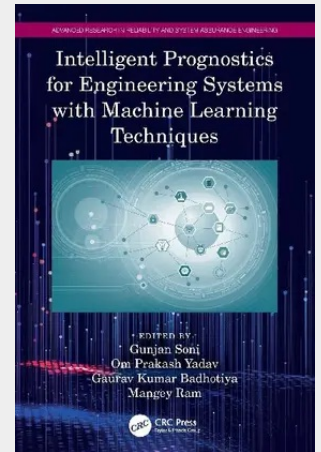


Intelligent Prognostics for Engineering Systems with Machine Learning Techniques

The text discusses the latest data-driven, physics-based, and hybrid approaches employed in each stage of industrial prognostics and reliability estimation. It will be a useful text for senior undergraduate, graduate students, and academic researchers in areas such as industrial and production engineering, electrical engineering, and computer science. The book - Discusses basic as well as advance research in the field of prognostics - Explores integration of data collection, fault detection, degradation modeling and reliability prediction in one volume - Covers prognostics and health management (PHM) of engineering systems - Discusses latest approaches in the field of prognostics based on machine learning The text deals with tools and techniques used to predict/ extrapolate/ forecast the process behavior, based on current health state assessment and future operating conditions with the help of Machine learning. It will serve as a useful reference text for senior undergraduate, graduate students, and academic researchers in areas such as industrial and production engineering, manufacturing science, electrical engineering, and computer science.

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