A Review on Intelligent Fault Diagnosis and Prognosis for Industrial Equipment.

Faults diagnosis and prognosis are the most common control process to be used in industrial machinery. There are many types of research on the subject of intelligent fault diagnosis and prognosis over the last ten years. This paper attempts to summarize and review the recent research and developments in intelligent fault diagnosis and prognosis across these diverse applications. Many researchers implement intelligent Faults diagnosis algorithms and technologies for data processing and maintenance decision-making; realizing the increasing trend of using artificial intelligent in condition monitoring. In this paper, different techniques for artificial intelligent using on fault diagnosis and prognosis of industrial equipment are discussed. The paper concludes with a brief discussion on current practices and possible future trends of using new techniques in intelligent fault diagnosis and prognosis of industrial equipment.