

supporting a direct control and supervision of a normal working state signal of a given machine behavior.

References

- [1] Riemer, P.L, J.W. Mitchell, and W.A. Beckman. 2002. The use of time series analysis in fault detection and diagnosis methodologies. ASHRAE Transactions 108(2).
- [2] Patton, R.J., C. Fantuzzi, and S. Simani. 2003. Model-Based Fault Diagnosis in Dynamic Systems Using Identification Techniques. New York: Springer-Verlag.
- [3] Patton, R.J., P. Frank, and R. Clark. 1989. Fault Diagnosis in Dynamic Systems, Theory and Application. Prentice Hall.
- [4] F. Lafarge, X. Descombes., J. Zerubia.and S. Mathieu, (2007). Forest fire detection based on Gaussian field analysis, European Signal Processing Conference (EUSIP)
- [5] S. Benkraouda, B. Yagoubi, M. Rebhi and A. Bouziane., Belonging probability inverse image approach for forest fire detection, Afr. J. Ecol. John Wiley & Sons Ltd, 2013
- [6] Shi D.F., Wang W.J. and Qu L.S., 2004. Defect detection for bearing using envelope spectra of wavelet transform. ASME J of Vibration and Acoustics, Vol.120, pp. 567-574.
- [7] R. F. M. Marcal, M. Negreiros, A. A. Susin, and J. L. Kovaleski, "Detecting faults in rotating machines," Instrumentation & Measurement, vol. 3, iss. 4, pp. 24-26, 2000
- [8] Al-Raheem K.F, Roy. A, Ramachandran.K.P. 2006. Detection of rolling element bearing faults using optimized – wavelet denoising technique
- [9] Z. K. Peng, and F. L. Chu, "Application of the wavelet transform in machine condition monitoring and fault diagnostics," Mechanical Systems and Signal Processing, vol. 18, pp. 199-221, 2004.
- [10] J. W. Cooley, and J. W. Tukey, "An algorithm for the machine calculation of complex Fourier series" Mathematics of Computing, vol. 19, pp. 297-301, 1965
- [11] H. Ghaderi, and P. Kabiri, "Automobile independent fault detection based on acoustic emission using FFT," International NDT Conference & Exhibition, Singapore 2011.
- [12] T. Hida, and M. Hitsuda, 1993. Gaussian Processes. AMS, Providence.
- [13] Chan, S.C and Zhou. Y., 2010. On the Performance Analysis of a Class of Transform-domain NLMS Algorithms with Gaussian Inputs and Mixture Gaussian Additive Noise Environment Journal of signal processing systems, Springerlink, V61.
- [14] K-M. Chang, and Liu. S-Hong., 2010. Gaussian noise filtering from ECG by Wiener filter and ensemble EMD, Journal of signal processing systems, Springerlink V61.