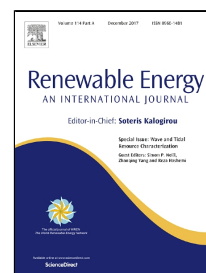


Accepted Manuscript

An Approach Combining Data Mining and Control Charts-based Model for Fault Detection in Wind Turbines

Hsu-Hao Yang, Mei-Ling Huang, Chun-Mei Lai, Jhih-Rong Jin



PII: S0960-1481(17)30865-0
DOI: 10.1016/j.renene.2017.09.003
Reference: RENE 9201
To appear in: *Renewable Energy*
Received Date: 19 May 2017
Revised Date: 23 August 2017
Accepted Date: 03 September 2017

Please cite this article as: Hsu-Hao Yang, Mei-Ling Huang, Chun-Mei Lai, Jhih-Rong Jin, An Approach Combining Data Mining and Control Charts-based Model for Fault Detection in Wind Turbines, *Renewable Energy* (2017), doi: 10.1016/j.renene.2017.09.003

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

- A control charts-based model for detecting faults in wind turbines is proposed.
- Exponentially weighted moving average (EWMA) chart is used for residual approach.
- Multivariate EWMA (MEWMA) outperforms EWMA for early detection of errors.

Download English Version:

<https://daneshyari.com/en/article/6765288>

Download Persian Version:

<https://daneshyari.com/article/6765288>

[Daneshyari.com](https://daneshyari.com)