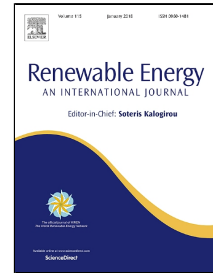


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Short Term Wind Power Forecasting using Hybrid Variational Mode Decomposition and Multi-Kernel Regularized Pseudo Inverse Neural Network

Jyotirmayee Naik, Sujit Dash, P.K. Dash, Ranjeeta Bisoi



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HIGHLIGHTS

1. A Multi- Kernel regularized Pseudo Inverse Neural Network is used for wind power forecasting.
2. Variational Mode decomposition is used to decompose the wind power signals.
3. Comparison with EMD based Multi- Kernel regularized Pseudo Inverse Neural Network is presented.
4. A novel Water Cycle algorithm is proposed to optimize multi-kernel parameters.
5. The algorithm execution time is reduced substantially by using randomly selected support vectors from the data.

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