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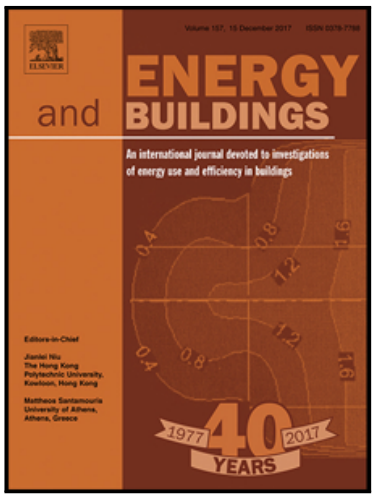

Short and Medium-term Forecasting of Cooling and Heating load demand in Building Environment with Data-Mining based Approaches

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PII: S0378-7788(17)32465-9
DOI: 10.1016/j.enbuild.2018.01.066
Reference: ENB 8346

To appear in: *Energy & Buildings*

Received date: 21 July 2017
Revised date: 12 November 2017
Accepted date: 27 January 2018

Please cite this article as: Tanveer Ahmad , Huanxin Chen , Short and Medium-term Forecasting of Cooling and Heating load demand in Building Environment with Data-Mining based Approaches, *Energy & Buildings* (2018), doi: 10.1016/j.enbuild.2018.01.066

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Highlights

- The basic objective of this research is to predict the future cooling load demand of WSHP
- Six novel data mining-based models were proposed for forecasting the cooling load
- Six performance indices are used to evaluate the prediction performance of models
- MAPE results for 7-day future load forecasting were 3.544%, 0.405%, 1.703%, 1.928%, 2.592 and 13.053, respectively of six DM models
- Proposed models compared with the existing model BRNN and the MAPE found 2.515% for 7-day

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