

Colloquium

Recursive Neural Network in Power Consumption Load Forecast of a Single House

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摘 要：

In this talk, we present a recursive neural network model to forecast the short-term household electricity consumption through the individual user's electricity information and the historical meteorological data of the Central Weather Bureau. The trend is consistent by comparison of real electricity data and forecast results.

Analysis and prediction of electricity consumption can be used as a renewable energy grid, power load scheduling reference. Propose a customized electricity price through the user's electricity behavior to provide appropriate incentives for peak load reduction.