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Short-Term Load Forecasting by Artificial Intelligent Technologies

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Message from the Guest Editors

Dear Colleagues,

In last few decades, short-term load forecasting (STLF) has been one of the most important research issues for the achievement of higher efficiency and reliability in power system operation, to facilitate the minimization of its operation cost by providing accurate input to day-ahead scheduling, contingency analysis, load flow analysis, planning, and maintenance of power systems. There are many forecasting models proposed for STLF, including traditional statistical models (such as ARIMA, SARIMA, ARMAX, multi-variate regression, Kalman filter, exponential smoothing, and so on) and artificial-intelligence-based models (e.g., artificial neural networks (ANNs), knowledge-based expert systems, fuzzy theory and fuzzy inference systems, evolutionary computation models, support vector regression, etc.).

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Message from the Editor-in-Chief

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