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Editorial

We now bring you the first issue of this fifth volume of the **Progress in Machine and Systems.**

In data analytics certain challenges exist such as the Analysis of time series data and accurate prediction of future values. Multiple prediction models have good scope as the authors *Soundaryadevi* and *Jayashree* claim in their paper on "**Forecasting Energy Demands based on Ensemble of Classifiers**". They have compared the performance of two different Ensemble learning techniques. Bagging (Bootstrap Aggregating) and stacking in forecasting energy time series data and made experimental research.

In the next paper on "**Evaluative Index System of Coal Mine Ecological Security based on SEM Modeling**", the authors *Xiaoling Ke, Amal Mougharbel* and *Min Feng* applied the structure equation model, in ecological security analysis of coal mining areas. When they tested the research results, it proved that this model has a good emulation effect, and that it can reflect the relationship between ecological security factors. The authors have clime that this model has good interpretive potential, and can be used in practice.

More research will emerge in the forthcoming issues.

Editors