

## **A New Model for Production Forecasting in ERP**

**Authors :** S. F. Wong, W. I. Ho, B. Lin, Q. Huang

**Abstract :** ERP has been used in many enterprises for management, the accuracy of the production forecasting module is vital to the decision making of the enterprise, and the profit is affected directly. Therefore, enhancing the accuracy of the production forecasting module can also increase the efficiency and profitability. To deal with a lot of data, a suitable, reliable and accurate statistics model is necessary. LSSVM and Grey System are two main models to be studied in this paper, and a case study is used to demonstrate how the combination model is effective to the result of forecasting.

**Keywords :** ERP, grey system, LSSVM, production forecasting

**Conference Title :** ICIKE 2014 : International Conference on Innovation and Knowledge Engineering

**Conference Location :** Venice, Italy

**Conference Dates :** April 14-15, 2014