<p style="color:red; text-align:center">Joint Symposium 2013
e-Manufacturing & Design Collaboration 2013 and ISSM 2013</p>

Invited Speech: Integrated Semiconductor Data Mining Solution

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About the Speaker

Dr. Sahm Kim obtained his Ph.D at the University of Georgia in 1998. He was vice president for international affairs of Chung-Ang University. He has also written over 60 papers, statistical journals and books. His current research projects include forecasting electricity demand, GARCH time series and exponential smoothing models.

Abstract

To embrace the challenges and opportunities that big data trend poses for the semiconductor industry, it make sense to look at elements involved in creating values from collecting unstructured and distributed data; meaningful patterns from noisy data; and real-time refreshing insight through flowing data.

Together with partners of predominant reputation in Data-Mining specialty with rich insights and experiences in semiconductor manufacturing, our solutions help clients to find out quickly on factors that affect yields and equipment within the semiconductor processes. The solution provides information such as instant monitoring; alerts and recommendations based on exploring in both historical and real-time data. Moreover, it delivers an optimal environment for analyzing Big Data as well as leverage features such as Hadoop; HPC; distributed/parallel processing; In-memory; 64Bits; and Dynamic charts.

We will share our experiences in "Yield Improvement Analysis", "Virtual Metrology", and "Real Time Monitoring and Diagnosis", together with some of the favorable responses from global companies in semiconductor industry during this seminar.