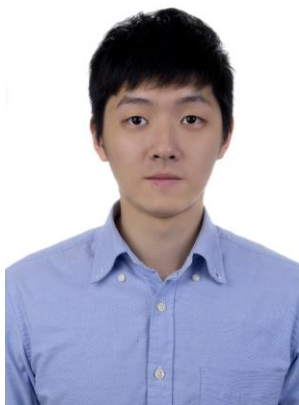


e-Manufacturing & Design Collaboration 2016

Tutorial: **Machine Learning Technologies for Semiconductor Industry** - **Computational Platforms**



Mr. Jeffrey Liu,
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About the Speaker

Jeffrey Liu is working as the application engineer at TeraSoft Inc. He provides statistics analysis, data analytics, machine learning, data mining, parallel computing technologies, as well as MATLAB integrates with other languages applications. His support industries includes semiconductor manufacturing, electronic and computational finance industries.

Abstract

In this session, the speaker will introduce the machine learning technologies in MATLAB to analyze the data from various sources in semiconductor manufacturing industry, as well as the deep learning framework in MATLAB. You will gain an understanding of how machine learning functionalities in MATLAB helps to improve the manufacturing workflows. For the huge data size collected from different semiconductor manufacturing process, how can MATLAB data pre-processing techniques enables you to explore the data rapidly, assess the prediction model, and find the appropriate ways to optimize the manufacturing workflows and the yield curve efficiently.