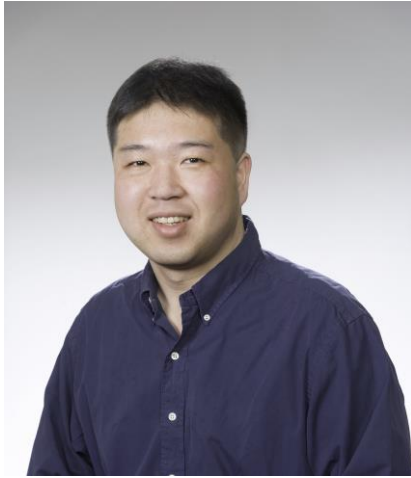


# e-Manufacturing & Design Collaboration 2016

## Invited Speech: **Data analytics for Semiconductor Industry**



**Mr. Hohyun Sung**

*Senior Application Engineer, MathWorks Inc.*

### **About the Speaker**

Hohyun Sung is working as the senior application engineer at the MathWorks Korea for 13 years. Prior to join the MathWorks, he taught the MATLAB language for Samsung Semiconductor and Samsung Electronics.

And after joined the MathWorks, he provides the technical services to high performance computing, data analytics, application deployment and signal & image processing which are MATLAB based applications. Currently he focused the data analytics applications for semiconductor industry, automotive companies and government R&D centers.

### **Abstract**

In this session, Presenter will show three steps of analytic solution development process. In the semiconductor manufacturing process, there are huge size of data sets and its variety and amount increment rapidly. Using analytics solution, user can discover and predict the values from such big data and innovate the manufacturing and R&D process. Also integrate it to enterprise system, company can efficiently archive the business object which like a yield improvement, process optimization, economical decision and managing the intellectual properties. Throughout presentation, attendees learn about big data access, machine learning overview and practical enterprise system architecture for semiconductor industry.