

Joint Symposium 2013  
e-Manufacturing & Design Collaboration 2013 and ISSM 2013

Keynote Speech: **Predictive Analytics Applications in e-Manufacturing**



**Mr. Greg Whalen**

*Chief Data Scientist, Data Science, APJ*

**About the Speaker**

Greg Whalen is Chief Data Scientist, APJ at Pivotal. Greg is responsible for Pivotal's Data Science practice in Asia-Pacific across all industries. He and his team deliver high-volume, "Big Data" analytics solutions to customers using Pivotal's key analytics platform and products. Greg is based in Singapore with a team of data scientists distributed around Asia Pacific.

Greg has helped numerous companies implement advanced predictive algorithms over large sets of data and deploy the necessary technologies to operationalize these models. He has industry experience in retail/logistics, digital marketing and clinical health informatics.

Prior to Pivotal, Greg was Vice President, Global Development Center at Experian in Kuala Lumpur, Malaysia where he built and grew a team of data scientists and software developers towards creating Experian's next generation of Marketing Services products. Prior to Experian, he oversaw development of several high volume digital marketing platforms and implemented solutions for companies such as Lowe's, Walmart and Johnson & Johnson.

Greg holds a Master of Science in Computer Science from Columbia University and a Bachelor of Arts in Computer Science and Music from Wesleyan University.

**Abstract**

Predictive "Big Analytics" are fundamentally transforming businesses across several verticals. We will look at a few uses cases in e-Manufacturing where predictive analytics would enable the development of disruptive Big Data Applications with a focus on quality management, demand prediction and supply chain management. The focus will not be only on "big" data analysis, but also the "fast" data analysis necessary to analyze large volumes of highly volatile data that come from reading real-time manufacturing device telemetry. After examining examples in e-Manufacturing and related verticals, we will look at some of the recommended organizational changes and the software ecosystem available to support the adoption of Big Data Applications.