Abstract
Real-time sensor data, particularly RFID data, provides new possibilities to improve the quality of supply chain processes. This talk examines a basic framework for examining the timeliness and correctness of the movement of items and/or transactions through a sequence of supply chain events. The nature of the data poses special issues for statistical process control and process capability analysis.

About the Speaker
Russell Barton is a professor in the Department of Supply Chain and Information Systems, affiliate professor in the Department of Industrial and Manufacturing Engineering, and senior associate dean of the Smeal College of Business at the Pennsylvania State University. He recently completed a two-year assignment as Program Director for Manufacturing Enterprise Systems and Service Enterprise Systems at the U.S. National Science Foundation. Before entering academia, he spent twelve years in industry. He is a past president of the INFORMS Simulation Society and serves on the advisory board for the INFORMS Quality Statistics and Reliability section and on the INFORMS Subdivisions Council. He is a senior member of IIE and IEEE. His research interests include applications of statistical and simulation methods to system design and to product design, manufacturing and delivery.