

Monitoring Supply Chain Execution

Russell Barton
Department of Supply Chain Management and Information Systems
Penn State University

Real-time sensor data, particularly RFID and GPS data, provide new possibilities for monitoring the execution of supply chain processes. This talk presents a basic framework for examining the timeliness and correctness of the movement of items and/or transactions through a sequence of supply chain stages. The nature of the data poses special issues for statistical process control and process capability analysis.

Biographical Sketch:

RUSSELL R. BARTON is a professor in the Department of Supply Chain and Information Systems at Penn State University. He also serves at the Smeal College of Business Co-Director for a one-year Master of Manufacturing Management degree program that is jointly offered with the College of Engineering. He received a B.S. degree in Electrical Engineering from Princeton and M.S. and Ph.D. degrees in Operations Research from Cornell. Before entering academia, he spent twelve years in industry. He was program chair for the 2007 Winter Simulation Conference, and he serves on the Advisory Board for the Quality, Statistics and Reliability Section of INFORMS. His research interests include applications of statistical and simulation methods to system design and to product design, manufacturing and delivery. His email address is rbarton@psu.edu. More information is available at www.personal.psu.edu/rrb2 .

Monday, October 19, 2009
3108 Etcheverry Hall
3:30pm-5:00pm

COME EARLY REFRESHMENTS WILL BE SERVED A3:00PM

For updates on Future Speakers and Seminars visit:

<http://www.ieor.berkeley.edu/Seminars/index.htm>