

Sunday Plenary Session

May 11, 2014, 9:45 AM – 11.00 AM – Atrium Ballroom A

Randy Stashick, UPS

Global Vice President of Engineering

Big Data Delivers Big Results at UPS

Abstract

A typical UPS driver delivers to about 120 stops a day. The options to reach those destinations are essentially endless. But what is the most efficient, environmentally sensitive and cost-effective route? In a business where minutes and miles equate to millions of dollars, the answer to that question is critical to the success of the 107-year-old company. UPS vice president of global engineering, Randy Stashick, will share insights to ways the company is utilizing Big Data analytics to not only shave cost-saving miles and minutes off its operations, but also to create market-leading customer service. Stashick will take attendees inside the massive UPS operation to explain how predictive and prescriptive analytics form the foundation of a system that delivers on average 16.9 million packages a day in more than 220 countries around the world. He'll also introduce attendees to ORION, the company's latest operations research and analytics project. ORION, an acronym for On-Road Integrated Optimization & Navigation, is being brought to market as part of one of the world's largest operations research projects. Leveraging data from UPS's vast information infrastructure, ORION reduces costs and enables "what if" decision making. With ORION, UPS is attacking the highest level of analytics maturity – optimization – and introducing a new era in small package shipping logistics.



Biography

As UPS's Global Vice President of Engineering, Randy executes domestic and international strategies for Industrial Engineering, which includes Planning, Plant Engineering, Automotive Engineering, Technology Development and Support, and Project Management and Operational Excellence. He also is responsible for driving profitability through operation efficiencies, service improvements and cost containment.

Plant Engineering oversees facility design and maintenance for over 1800 facilities world-wide as well as, energy management and corporate sustainability in support of organizational goals.

Automotive Engineering manages fleet and equipment design and maintenance for over 93,000 package cars, vans, tractors, motorcycles, and alternative-fuel vehicles.

Randy began his UPS career in 1977 as a part-time package handler in the West Pennsylvania District, while earning his Bachelor of Science degree from the University of Pittsburgh. Randy held various positions within this location before being promoted to West New England's

District Industrial Engineering Director in 1990. He was then assigned to the West Long Island District in New York where he was responsible for the Queens and Brooklyn areas. Randy was promoted to East Central Region Industrial Engineering Coordinator in 1996 covering seven east coast states and in 1999, re-assigned to the Pacific Region responsible for seven west coast states. In 2004, Randy was promoted to Corporate Industrial Engineering Coordinator and became responsible for the entire U.S. domestic Industrial Engineering function. He was named Georgia District Vice President of Operations in 2006, responsible for all operations within the state of Georgia, and accepted his current position the following year. Randy's external affiliations include the Kettering University Board of Trustees, National Action Council for Minorities in Engineering (NACME) Board, United Way of Greater Atlanta Board of Directors and NCTSPM Board of Advisors. He is a former member of the Georgia Institute of Technology Advisory Board and Central Atlanta Progress Board Executive Committee. As the Global VP of Engineering, Randy reports to David Abney, the Chief Operating Officer for UPS.