

Managing “Human” Supply Chains: Novel Applications of SCM and Simulation Modeling



Enterprise
SIMULATION AND
OPTIMIZATION LAB

FedEx Center
for Supply Chain
Management



Thursday, June 14, 2007
2-5pm

Methodist Presentation Theater
FedEx Institute of Technology
The University of Memphis
365 Innovation Drive
Memphis, TN 38152

Please RSVP at 901.678.3691
or ledwrds1@memphis.edu

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|--------|--|----------------------------|
| 2:00pm | Welcome, FedEx Center for SCM and eSOL
Overview and Perspectives on SCM | |
| 2:30pm | Understanding the Criminal Justice Supply Chain | Ernie Nichols |
| 2:50pm | The Human Supply Chain in Healthcare: Patient Tracking
and Simulation Modeling at a Regional Trauma Center | Brian Janz/Mehdi Amini |
| 3:20pm | BREAK | |
| 3:35pm | Improving Patient Access at a Major Mid-South Hospital | Brian Janz |
| 4:00pm | The “Street-to-Fleet” Supply Chain for Sailors:
Simulation Modeling to Address Challenges in the
Navy’s Manpower Recruitment and Development | David Cashbaugh/Mike Racer |
| 4:40pm | The Urban Child Institute Simulation Modeling Initiative | Mehdi Amini |
| 5:00pm | RECEPTION | |

In recent years, few topics have generated more interest in both the business and academic communities than supply chain management (SCM). The notion of an organization working in a collaborative and mutually beneficial manner with its supply chain partners to meet the needs of the ultimate end-customer is an intuitively appealing proposition. Researchers have conducted countless studies that have addressed how organizations manage critical integrated design, sourcing, manufacturing, and distribution processes to satisfy the needs of their end-customers better, faster and cheaper than their competitors. The vast majority of these efforts have focused on tangible products. To date, there has been surprising little research that has examined supply chains where the “products” are people.

During the past decade, FedEx Center for Supply Chain Management and, more recently, the Enterprise Simulation and Optimization Lab (eSOL) have conducted several studies addressing nontraditional human supply chains. These studies have shown that the approaches used to understand and improve the performance of traditional product supply chains are also very effective when applied to human supply chains. This program will include presentations addressing four completed human SCM studies in different organizational settings. There will also be a discussion of a new initiative to be conducted with the Urban Child Institute. Participants will learn about the analytical approaches used in these studies, with a particular emphasis on simulation models utilized, and the opportunities for improvement that were identified.