THE CENTER FOR SUPPLY CHAIN MANAGEMENT AND LOGISTICS

THE UNIVERSITY OF ILLINOIS AT CHICAGO

SEPTEMBER 2007, NEWSLETTER

2006 Global Supply Chain Forum:

Making the Chicago Region More Competitive in the Global Supply Chain, November 21st, 2006

The 2006 Forum featured a multi disciplined consortium of speakers from government figures such as Mayor Donald E. Peloquin and chief economist for the U.S. Department of Transportation, Jack Wells to CEO's, presidents, and directors such as CEO & President George A. Ranney, Jr. and Executive Director Frank Beal from Chicago Metropolis 2020 and Bob Stoffel, Sr. Vice President, UPS Supply Chain Group.

Throughout the day there were a number of key note speakers and breakout discussion sessions centered on Chicago and improving its competitiveness. Key note speaker, George A. Ranney Jr. presented on how the Chicago region could continue to prosper as a major freights transportation center. Breakout sessions touched on changing global and national trade patterns, technology such as RFID , transportation costs, supply chain bottlenecks, freight development such as CREATE, and paying for and pricing the supply chain system in the Chicago region.

UIC Supply Chain Center Information

The Center for Supply Chain Management and Logistics seeks to develop cutting edge solutions to emerging problems associated with global supply chains. Uniquely positioned in the city of Chicago, the third largest freight hub in the world, the Center specifically addresses manufacturing, transportation, and logistics management issues in an effort to reduce cost and improve the efficiency of supply chains.

Focused on a variety of cutting edge issues, the Center is dedicated to making our partner members successful. Partners gain the privilege of guiding Center research that best addresses their immediate supply chain and logistics needs.

Sample Research Emphasis:

- Supply chain modeling, supply chain dynamics, supply networks as complex adaptive systems
- Understanding supply chain costs
- Improving supply chain decisions with agent automation
- External benefit/cost of goods movement
- Public-private partnership to improve supply chain efficiency
- Environmentally friendly supply chains
- The use of new technologies, such as RFID tags, to enhance supply chain effectiveness
- RFID for enhanced business intelligence
- Alleviating bottlenecks in the supply chain
- International supply chain management
- On-site services to local companies
- Research on Midwest specific supply chain problems

Supply Chain Center Member Highlights

This week we are profiling Houshang Darabi. Professor Darabi is currently an Assistant Professor with the Department of Mechanical and Industrial Engineering, University of Illinois at Chicago. Houshang received his Ph.D. degree in Industrial and Systems Engineering from Rutgers University, New Brunswick, NJ, in 2000. His research interests include the application of discrete-event systems control theory in modeling and analysis of service and manufacturing systems, computer-integrated manufacturing, supply chain networks, and manufacturing information systems. His research has been supported by the National Science Foundation, the Department of Commerce, Motorola Inc., and several other agencies. He has published in different prestigious journals and has presented his research in national and international conferences. Houshang is a senior member of the Institute of Industrial Engineers (IIE), a member of the Instrumentation, Systems and Automation Society (ISA), Institute of Electrical and Electronics Engineers (IEEE), and the Institute for Operations Research and the Management Sciences (INFORMS).

Expertise

Supply chain networks, Radio Frequency and Identification (RFID) systems, health care resource management of mass casualty events, real time monitoring and control of agent based supply chain systems, supervisory control and data acquisition systems, and programmable logic controllers.

Representative Publications

Houshang Darabi, Mohsen Jafari and Shomit Manapure. *Finite Automata Decomposition for Flexible Manufacturing Systems Control and Scheduling. IEEE Transactions on Systems, Man and Cybernetic-*Part C, 33(2), 2003.

J. Liu, and H. Darabi. *Control Reconfiguration of Discrete Event System Controllers with Partial Observation. IEEE Transactions on Systems, Man, and Cybernetics-* Part B, 34 (6), 2004.

CONTACT US
For additional information or to become a partner of The Center for Supply Chain Management and Logistics, please contact Center Director, Dr. Anthony M. Pagano at 312-355-3933. Or visit us on the web
http://www.supply-chain.uic.edu/

In the Works

2007 Global Supply Chain Forum: *Innovating Public/Private Financing for the Supply Chain Infrastructure, November 20th 2007*

Currently, the 2007 Global Supply Chain Steering Committee is in the process of developing the next upcoming global supply chain forum which will be held at the University of Illinois Chicago campus on Tuesday November 20th from 8:30am to 2:00pm.

Session topics in consideration are what roll private financing has in public investments, analysis of U.S. projects such as the Chicago Skyway and Indiana Toll way, data infrastructure for the supply chain (RFID), CREATE, and the role of private financing in the rail industry.

Tickets are available for this event and will go on sale soon. Catering is offered at the event. The Supply Chain Center is currently looking for sponsors at various membership levels to help assist and donate for the 2007 Global Supply Chain Forum. If you would like more information on how to become a sponsor contact Dr. Anthony Pagano at (312) 355-3933. He would be happy to discuss the membership levels and benefits that are included with each membership level.