

## IMS Researcher Profile

**Institution: UM**

Name: Chaoye Pan

Contact Info: [pancy@umich.edu](mailto:pancy@umich.edu)

734-272-2733



Expertise: Material handling, Dispatching Strategy Optimization

Current Research Activities: General representative of discrete event system

Dissertation/Thesis Topics: General mathematical Programming of Discrete-Event System Dynamics ,  
Sequenced Dolly Material Handling Optimization

Project 1: Modeling OF DOLLY MATERIAL HANDLING AND WORKFORCE DISPATCHING OPTIMIZAION

1. Developing a virtual plant for what-if tests
2. Integrating real data inputs into the simulation model
3. Finding out optimization dispatching strategies for multi-dolly delivery sequences
4. Constructing searching method for optimized zoning coverage of drivers

Skills: C++ , Arena, VB

Previous Background: Student

Publications: Pan,C. Xiao,g. Chang,Q. Ni,J., “Optimization of Workforce Zoning for Dolly Material Handling “ accepted for Proceedings of the 2008 Industrial Engineering Research Conference