

*Department of Mathematical and Physical Sciences Presents*

## ***The DMPS 2009 Colloquium***

**Tuesday, March 24**

**4:30-5:30pm**

**Room: LBV 208**

**Free and Open to Public**

**Ms. Ying Yu**

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Southeast University, China**

### **Applying fuzzy set theory to supply chain management: A case study**

#### **Abstract**

Fuzzy set theories have been applied in multiple aspects of the supply chain. Increasing attention is given to fuzzy programming based supply chain modeling due to its important theoretical values and practical applications. We will give an introduction to the fuzzy set theory, and provide an insight into the supply chain involving multi-products and multi-objective vendors. Finally, a genetic algorithm combined with fuzzy simulation technology is developed to search the optimal solutions.

#### **Refreshment Starts at 4:00pm**

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