



Design of Multi-tier Supply Chains: Forecasting, Delegation, and Information

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Past literature in supply chain management either focuses on scenarios where complete information is available or adopts a simplified two-layer setting when information asymmetry is introduced. When there are multiple sources of asymmetric information, a cascade of two-layer problems arises and it significantly complicates the contract design problem because the optimization outcomes of one layer may serve as inputs of the other layer. In this talk, we will investigate the impact of information asymmetry among contracting parties on the operational decisions (capacity allocation, demand forecasting, and compensation scheme design) in the multi-tier supply chains.

3108 Etcheverry Hall
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3:30pm – 5:00pm

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