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Research Theme

Operations Research

Research Areas

- Robust optimization
- Large scale optimization
- Supply chain management
- Healthcare operations management
- Facility planning and material handling

Research Facilities/Tools

- Integer programming
- Convex optimization
- Decomposition algorithm
- Stochastic programming
- Monte Carlo simulation
- Discrete-event simulation

The below Wordle was created from some of my papers' abstracts, gives you an idea of my research ...

Two-stage adjustable robust optimization

Two-stage robust optimization problem

Emergency department delay

Hospital Congestion

Empirical results Operations

Meaningful decision

Empirical results Operations

Meaningful decision

Empirical results Operations

Meaningful decision

Empirical results Operations

Management Problem

Strategic decisions

Newsvendor problem

Strategic decisions

Industrial engineering applications

Strategic decisions

Strategic decisions

Strategic decisions

Newsvendor problem

Strategic decisions

Trade-off Inventory problem

Robust optimization

Demand uncertainty

Sums of Piecewise Linear Functions

Operational flexibility

The Value of Flexibility

The Value of Flexibility