

New Abstracts Added

Session #155, Saturday, April 21, 01:30 – 03:00 PM, Great America II (Floor 6)

Track: OM Practice

Abstract # 025-1454

Using OM to Reduce Transportation Costs

Fan Peng, fan_peng@csx.com; Yanfeng Ouyang, yfouyang@illinois.edu

We plan crew/equipment movements for track maintenance activities in a railroad network. A time-space network model with various types of side constraints, and a multiple neighborhood search algorithm, are developed. The proposed approach is shown to significantly outperform current industry practice and has been adopted by a Class I railroad.

Session #198, Saturday, April 21, 03:30 - 05:00 PM, Miami (Floor 5)

Track: Capacity Management

Abstract # 025-1471

Smart Homes with Price-responsive Appliances

Canan Uckun, cuckun@chicagobooth.edu; Dan Adelman dan.adelman@chicagobooth.edu

Smart meters promise to make the power grid a more responsive and interactive platform. They give power utilities the ability to do real-time pricing as well as enabling consumers to control their energy consumption. We study utilities' dynamic pricing problem and consumers' optimal response to real-time prices through smart appliances.

Session #247, Sunday, April 22, 01:00 - 02:30 PM, Ballroom G (Floor 5)

Track: Service Operations

Abstract # 025-1469

Dynamic Capacity Allocation to Customers Who Remember Past Service

Dan Adelman, University of Chicago, Booth School of Business, dan.adelman@chicagobooth.edu

Adam Mersereau, University of North Carolina, Kenan-Flagler Business School, Chapel Hill NC, ajm@unc.edu

We study the problem faced by a supplier deciding how to dynamically allocate limited capacity among a portfolio of customers who remember the fill rates provided to them in the past. We approach the problem using approximate dynamic programming (ADP), to obtain a policy that trades off customer characteristics to rationalize the fill rates the firm should target for each customer.

Session #291, Sunday, April 22, 04:30 - 06:00 PM, Northwestern (Floor 6)

Track: Supply Management

Abstract # 025-1073

The Sourcing Decision as a Dynamic Capability

Young Ro, yro@umich.edu; Jin-Kyu Park, jinbest@gmail.com

In technologically uncertain environments, dynamic capabilities have been credit as providing competitive advantages. The management of knowledge, in particular, is critical in such contexts. We consider the possibility that the management of relevant component and architectural knowledge can enhance the sourcing decision process into a dynamic capability for firm competitiveness.

Abstracts Rescheduled

Abstract # 025-0003

New Session #110, Saturday, April 21, 08:00 - 09:30 AM, Illinois (IL) (Floor 6)

Old Session #262, Sunday, April 22, 02:45 - 04:15 PM, Houston (Floor 5)

Abstract # 025-0026

New Session #339, Monday, April 23, 10:00 – 11:30 AM, Ballroom F (Floor 5)

Old Session #14, Friday, April 20, 09:15 – 10:45 AM, Ballroom F (Floor 5)

Abstract # 025-0242

New Session #279, Sunday, April 22, 04:30 - 06:00 PM, Purdue (Floor 6)

Old Session #24, Friday, April 20, 09:15 - 10:45 AM, Minnesota (MN) (Floor 6)

Abstract # 025-0605

New Session #283, Sunday, April 22, 04:30 - 06:00 PM, Denver (Floor 5)

Old Session #108, Saturday, April 21, 08:00 - 09:30 AM, Denver (Floor 5)

Abstract # 025-0825

New Session #314, Monday, April 23, 08:00 - 09:30 AM, Ballroom F (Floor 5)

Old Session #14, Friday, April 20, 09:15 - 10:45 AM, Ballroom F (Floor 5)

Abstract # 025-0867

New Session #224, Sunday, April 22, 08:00 - 09:30 AM, Minnesota (MN) (Floor 6)

Old Session #341, Monday, April 23, 10:00 - 11:30 AM, Northwestern (Floor 6)

Abstract # 025-0963

New Session #89, Friday, April 20, 03:30 - 05:00 PM, Ballroom F (Floor 5)

Old Session #289, Sunday, April 22, 04:30 - 06:00 PM, Ballroom F (Floor 5)

Abstract # 025-0980

New Session #39, Friday, April 20, 11:15 AM to 12:45 PM, Ballroom F (Floor 5)

Old Session #314, Monday, April 23, 08:00 AM to 9:30 AM, Ballroom F (Floor 5)

Abstract # 025-1193

New Session #114, Saturday, April 21, 08:00 - 09:30 AM, Ballroom F (Floor 5)

Old Session #89, Friday, April 20, 03:30 - 05:00, Ballroom F (Floor 5)

New Session Chairs

Session #14, Friday, April 20, 09:15 - 10:45 AM, Ballroom F (Floor 5)

Track: Product Innovation and Technology Management

New Session Chair: Luiz Alves

Session #36, Friday, April 20, 11:15 - 12:45 PM, Ballroom B (Floor 5)

Track: Supply Chain Management

New Session Chair: Benn Lawson, b.lawson@jbs.cam.ac.uk

Session #37, Friday, April 20, 11:15 - 12:45 PM, Houston (Floor 5)
 Track: Supply Chain Management
 New Session Chair: Gisele Mendy Bilek, gisele.mendy-bilek@univ-pau.fr

Session #89, Friday, April 20, 03:30 - 05:00 PM, Ballroom F (Floor 5)
 Track: Product Innovation and Technology Management
 New Session Chair: Jane Davies

Session #283, Sunday, April 22, 04:30 - 06:00 PM, Denver (Floor 5)
 Track: Sustainable Operations
 New Session Chair: Olga Willner

Session Title Change

Session #264, Sunday, April 22, 02:45 - 04:15 PM, Ballroom F (Floor 5)
 Track: Product Innovation and Technology Management
 Old Session Title: Innovation Contests
 New Session Title: Search and Competition in Innovation Processes
 Session Chair: Anant Mishra

Abstracts Withdrawn from the Conference

Session #1, Friday, April 20, 09:15 – 10:45 AM
 Abstract: 025-1291
 Cultural dimensions of agile supply chain management
 Fernando Almada Santos, Diego Fogaça, Rafael Souza, Raul Toledo, Marcos Gandra

Session #31, Friday, April 20, 11:15 - 12:45 PM
 Abstract # 025-1195
 Scheduling jobs on a single BPM with non-agreeable release time and due dates to minimize makespan
 Ganeshkumar Palanichamy, Satish Nayak

Session #37, Friday, April 20, 11:15 - 12:45 PM
 Abstract # 025-0955
 Environmental Implications for Strategic Supply Chain Decisions: The Role of Location and Scale
 Nazli Turken, Janice Carrillo

Session #101, Saturday, April 21, 08:00 - 09:30 AM
 Abstract: 025-0914
 The best strategy in recalls: A service recovery perspective
 Xiande Zhao, Haiju Hu

Session #106, Saturday, April 21, 08:00 - 09:30 AM
 Abstract: 025-0655
 A Meta-Heuristic Optimization for Scheduling Heat-Treatment Furnace in Steel Casting Industry
 Ramasubramaniam Muthurathnasabapathy, Muthu Mathirajan

Session #137, Saturday, April 21, 11:15 - 12:45 PM

Abstract: 025-0786

Managing a supply chain with Joint Replenishment, Channel Coordination, Deteriorating items, Exponential demand

Ramasubramaniam Muthurathnasabapathy, Chandiran Palaniappan

Session #147, Saturday, April 21, 11:15 - 12:45 PM

Abstract # 025-1407

Consumer learning and firm profitability in service industries

Tina Tang, Ryan Buell

Session #201, Sunday, April 22, 08:00 - 09:30 AM

Abstract # 025-0598

Customer Complaint Behavior in the Indian Airline Industry: An Exploratory Study

Ashu Sharma, Sandeep Joshi

Session #283, Sunday, April 22, 04:30 - 06:00 PM

Abstract # 025-1477

A Multi-criteria Approach to Balance Economic, Environmental, and Safety Factors in Cleaning Solvent Choices

Joseph Sarkis, Thomas Sloan

Session #314, Monday, April 23, 08:00 - 09:30 AM

Abstract # 025-0167

The Complexity and the User: The Human Centered Design approach as a paradigm for this integration

Carlos Eduardo Barateiro, Jose Rodrigues Farias Filho, Luiz Antonio Campagnac

Session #320, Monday, April 23, 08:00 - 09:30 AM

Abstract # 025-1288

Internationalization and its consequences on the operations management in an appliance company

Kleber Milaneze, Alessandra Rachid

Session #336, Monday, April 23, 10:00 - 11:30 AM

Abstract # 025-0166

Grow Without Profit - A Business Strategy Applied in the Brazilian Automation Market

Carlos Eduardo Barateiro, Jose Rodrigues Farias Filho, Ricardo Bordeaux, Luiz Antonio Campagnac

Session #349, Monday, April 23, 10:00 - 11:30 AM

Abstract # 025-1303

Trends in indoor and outdoor visibility in supply chains

Ahmed Musa, Yahaya Yusuf