

ISIR e-newsletter June 2007

Dear ISIR member!

Please find below some current news from the ISIR community:

ISIR NEWS

The date of the 15TH INTERNATIONAL SYMPOSIUM ON INVENTORIES has been set for

August 22-26, 2008 – Budapest, Hungary

Objectives

The professional objectives of organizing this meeting are similar to those of the previous symposia: to provide a forum for an international exchange of ideas on various aspects of inventories. Papers on macro- and microeconomics, econometrics, economic policy, business, management and operational research aspects of inventory problems and related fields (production, logistics, etc.) are invited.

Program

The professional program will start on **August 22, 2008** with plenary sessions to be addressed by internationally acknowledged scholars. On the following days there will be parallel sessions of the three sections of ISIR:

- I. Economics of Inventories**
- II. Inventory Management**
- III. Mathematical Models of Inventories**

Besides the regular paper presentations we plan to have a few special sessions, roundtables and free discussions.

Those, who wish to propose or organize a special session, are kindly invited to contact the Secretariat as soon as possible, but not later than October 31, 2007.

The **ISIR Executive Committee** will have its meeting on Friday, August 22 evening. The **ISIR General Assembly** meeting will be held on Monday, August 25 in the afternoon.

The conference language is English.

Social Program

We will have a get-together party on Friday, August 22, an optional full day excursion on Sunday, August 24, and a banquet on Monday, August 25 evening.

Spouses' program will also be offered (details will be available in the 2nd announcement.)

Papers

We will follow the procedure introduced at the 14th ISIR Symposium, namely if you wish to present a paper please send us an extended abstract (400-500 words) before **March 15, 2008**. Abstracts will undergo a blind review. Executive Committee members will act as reviewers. Decisions regarding acceptance will be made by **April 30, 2008**. The volume of abstracts will be available at the Symposium.

Further information about the ways of submitting abstracts will follow in September.

Proceedings - A selection of the submitted papers will be published in a Special Issue of the respected International Journal of Production Economics. The selection will be based on a refereeing procedure after the symposium. Those who wish to have their papers published will be requested to submit their paper (approximately 25.000 characters) by email before **July 31, 2008**.

Those who wish to present their paper "in absentia" should also submit an abstract before **March 15, 2008** and if accepted, send the full paper (also 25.000 characters) not later than **July 31, 2008**. These papers will be copied and distributed among the participants, and can also be included in the Proceedings. Processing and handling fee (**EUR 100**) is to be paid with the "in absentia" papers. This option is open only for ISIR members.

The extended call for papers containing information about registration, abstract submissions, venue and accommodation will be circulated in September.

In the meantime please mark the dates of the event in your diary and send us your proposal for special sessions or workshops at your earliest convenience but not later than October 31, 2008.

!!! The Proceedings of the 13th ISIR Symposium has been published!!!

We have just received the great news from Elsevier that the Proceedings of the 13th Symposium has come out. Here are the details of the publication and the website where you may see the content and abstract of the papers:

Volume 108, Issues 1-2, Pages 1-454 (July 2007)

Principles and Practices of Managing Inventories - Selected papers of the thirteenth International Symposium on Inventories

Edited by Attila Chikán

International Journal of Production Economics

Shortcut URL to this page: <http://www.sciencedirect.com/science/journal/09255273>

8th ISIR Summer School

New and Classic Views in Inventory Management - Advances in Research and Opening Frontiers

July 30 – August 3, 2007 - Brescia, Italy

The next ISIR Summer School is hosted by the Mechanical and Industrial Engineering Department of the University of Brescia. Until the submission deadline 13 abstracts arrived at the summer school secretariat, which went through a refereeing procedure. In the middle of June there were 23 participants and 13 professors registered for the event. We wish a fruitful discussion to the participants at the end of July!

ISIR session at the Winter Meetings of the ASSA

January 4-6, 2008, New Orleans, LA, USA

The session was organized by Andreas Hornstein of the Federal Reserve Bank of Richmond.

Program

Session Title: Recent Advances in Inventory Research

Presiding: Andreas Hornstein, Federal Reserve Bank of Richmond

"Inventories and the Great Moderation Revisited"

James Kahn (Federal Reserve Bank of New York)

Discussant: Elena Pesavento (Emory University)

"Production Chains and the Business Cycles: A Model of Input and Output Inventories"

Ana Maria Herrera (Michigan State University), Zheng Liu (Emory University), Elena Pesavento (Emory University)

Discussant: Scott Schuh, Federal Reserve Bank of Boston

"Segment Shifts and Capacity Utilization in the U.S. Automobile Industry: What has changed in 30 years?"

Valerie A. Ramey (University of California San Diego), Daniel J. Vine (Federal Reserve Board),

Discussant: George Hall, Brandeis University

UPCOMING EVENTS

Fifteenth International Working Seminar on Production Economics

March 3-7, 2008 - Congress Innsbruck, Innsbruck, Austria

The purpose of this seminar is to provide an opportunity for research scientists and practitioners to meet, present and develop their ideas on subjects within the field of Production Economics. Papers submitted will be distributed to all participants in advance. A discussant will be appointed for each paper. The intention is, that models and methods presented, and the discussion of

them, will result in concrete ideas for future research and developments in this area. Participants of the Seminar are expected to act as discussants within their field of expertise.

Participants, who wish to present papers, are requested to send an abstract not exceeding 250 words, to the Programme Committee by **November 1, 2007** at the latest (either electronically to robert@grubbstrom.com, or hard copy). The conference language is English. Acceptance of abstracts will be notified to authors by about December 1, 2007. The number of participants will be limited. ***By submitting an abstract authors implicitly agree to have their paper published in the Seminar Proceedings, which means that their paper has not been published nor is intended to be published elsewhere.***

Full papers should be submitted by **January 15, 2008**, in order to be included in the Pre-Prints. Papers presented will be reviewed after the seminar. Accepted papers will be printed in Proceedings issues of the ***International Journal of Production Economics*** by Elsevier, Amsterdam.

Main topics:

- Production and Inventory Control
- Investment and Financial Planning in Production
- Manufacturing Strategy
- Supply Chain Management
- Productivity Measurement and Analysis
- Innovation and Technology Management

Official mailing address:

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Website of Seminar: <http://www.ipe.liu.se/rwg/igls/igls.htm>

**IEEE International Conference on Industrial Engineering and Engineering Management
Singapore, December 2-5, 2007**
www.ieem2007.org

The International Conference on Industrial Engineering and Engineering Management (IEEM) aims to provide a forum to disseminate, to all branches industries, information on the most recent and relevant innovations, theories and practices in Industrial Engineering and Engineering Management. Founded by the Industrial Engineering and Engineering Management Department of the Hong Kong University of Science and Technology in 1994, the conference has been hosted by leading universities in Asia and has grown over the years in tandem with the rising importance of industrial engineering in Asia.

This year, the IEEE Engineering Management Society Singapore Chapter is proud to be the host to link researchers and practitioners in different branches of industrial engineering and engineering management from around the world.

Papers were invited for special sessions/tracks or tutorials/workshops related to all areas in industrial engineering and engineering management.

Important Dates

Full paper submission: 16 June 2007
Notification of acceptance: 16 August 2007
Early bird registration: 16 September 2007

Conference Secretariat

Meeting Matters International
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REPORT ON CONFERENCES

POMS 2007/ Inventory related papers Dallas, TX, USA, May 4-5, 2007

The Production and Operations Management Society (POMS) held its 18th annual meeting in Dallas, TX on May 4-7, 2007. Over 600 papers were presented at the meeting, which gave a great overview of the main current research areas of OM. There was a plenary session honoring three founding fathers of OR/OM: William A. Cooper, Charles c. Holt and Gerald E. Thompson.

There were a number of inventory related papers, illustrating the non-decreasing interest in the subject. There was an Inventory Management Track, but inventories appeared among the subjects of many other tracks as well. The full program of the conference is available at www.poms.org, here we call attention to the following papers:

- Aditya Jain: Responding to Shipment Delays: The Roles of Operational Flexibility & Lead-time Visibility
- Almula Camdereli, Jayashankar Swaminathan: The Effects of Inventory Misplacement on Supply Chains: An Analytical Exploration
- Arnab Bisi, Maqbool Dada, Yanyi Xu: Average Cost Inventory Problems with Backorders and Lost Sales
- Ashok Mehatha, Ravi Shankar: Optimization of Inventory of Materials Under a Random Demand Scenario Using Optimizer 10.06 - An ERP Software
- Aysegul Toptal: Replenishment Decisions Under Quantity Discounts and Explicit Transportation Considerations
- Badr Johar: Inventory Balancing in Disassembly Line: A Multiperiod Problem
- Burak Eksioglu, Ismail Capar: A Decision Rule for Coordination of Inventory and Transportation in a Two-Stage Supply Chain
- Chaodong Han: Antecedents of Inventory Levels in the U.S. Manufacturing Industry
- Charles Munson, Mihaela Vajiac, Jianli Hu: Analysis of Bounds for Sole versus Dual Sourcing Inventory Models
- Chosita Khunagornniyomrattana, Nikorn Sirivongpaisal, Sakesun Suthummanon: Inventory Management of Farm Poultry Feed
- Claire Tomkins, Thomas Weber: Pricing and Inventory Control with Two-Sided Uncertainty: Water Distribution in Southern California
- Dana Johnson, Daniel Mattson: Hospital OR Inventory Process Improvement Prior to ERP Module Implementation
- David Heimann, Frenck Waage: A Closed-Form Positive-Inventory Approximation Model
- Deepak Iyengar, Rahul Kale: Empirical Analysis of Gains or Losses in Inventory Levels of Firms Due to Adoption of Information Technology
- Deepak Iyengar, Shashank Rao: Forecasting Strategies of a Multi-Echelon Supply Chain Facing Coordinated and Uncoordinated Demand
- Diego Klabjan : Approximate Dynamic Programming for Inventory Routing
- Divya Tiwari, Janat Shah: Newsboy Problem with Random Yield
- Erhan Kutanoglu: An Inventory Sharing and Allocation Method for a Multi-location Service Parts Logistics Network with Time-based Service Levels
- Felipe Caro, Jeremie Gallien: Inventory Management of a Fast-Fashion Retail Network
- Haifeng Wang, Houmin Yan: Customer Services with Multiple Lead-time Choices
- Huimin Wang, Ping Ma, Chen Huang: An Inventory/Distribution System for One-Warehouse, N-Retailers
- Jack Hayya, Terry Harrison, Uttarayan Bagchi, Dean Chatfield: Alternatives to Mathematical Optimization in Inventory Analysis
- James Robison: Bridging the Aggregation Gap: Supplementing Sales and Operations Planning with Inventory Profile Analysis
- Jiawei Zhang: Duality Approaches to Economic Lot Sizing Games
- John Kros: JUST-in-Time Inventory Systems Adoption: Effects on First Tier Suppliers
- Justin Ren, Gokhan Usanmaz, Sean Willems: Why do Some Managers Use a 'Non-optimal' Inventory Policy?
- Kevin Hendricks, Vinod Singhal: Demand-supply Mismatch and Stock Market Reaction: Evidence from Excess Inventory Announcements
- Lian Qi : Supply Chain Design Under Stochastic Supply Disruptions

Liang-Chieh Cheng: Impact of Inventory Policy Consistency on the Three-stage Supply Chain Performance

Maher Lahmar, Sylvana Saudale: Dynamic Inventory Allocation Under Imperfect Information and Capacitated Supply

Manish Mathur, Puneet Mathur: Inventory Policy for Decentralized Supply Chain with Transshipment and Restricted Batch Size

Pamela Donovan, Philip Evers: A Joint Replenishment Inventory Model with Transportation Costs: A Study in the Retail Grocery Industry

Qi Feng, Alain Bensoussan, Metin Cakanyildirim, Suresh Sethi: Optimal Ordering Policies for Stochastic Inventory Problems with Information Delays

Ruixia Shi, Alain Bensoussan, Metin Cakanyildirim, Suresh Sethi: Partially Observed Inventory Systems: The Case of Rain Checks

Sandra Eksioglu: A Primal-Dual Algorithm for the Dynamic Lot-Sizing Problem with Multi-Mode Replenishment

Saravanan Kesavan, Vishal Gaur, Ananth Raman: Incorporating Margin and Inventory Endogeneity in Firm Level Sales Forecasting

Shaoxuan Liu, Kut So, Fuqiang Zhang: Effects of Inventory Inaccuracy in Joint Marketing and Inventory Decisions

Surendra Gupta: Inventory Balancing in Disassembly Line: A Multiperiod Problem

Vinod Goyal: Innovative Inventory Classification Cubical Model

Xin Chen: A Stochastic Programming Duality Approach to Inventory Centralization Games

Yan Dong, Yuliang Yao, Kefeng Xu: Supply Chain Backorder Management Under Vendor Managed Inventory

(Attila Chikán)

14th International EurOMA conference Ankara, June 17-20, 2007

The 14th international conference of European Operations Management Association was organized by **Bilkent University** in the neighbourhood of Ankara. The theme of the conference was "**Managing Operations in an Expanding Europe**" referring to the negotiations between the EU and the Turkish government about the Turkish accession to the EU.

The conference centre of Bilkent Hotel was an ideal setting for scientific work. It was in the middle of nowhere, so participants did not have other opportunities than to attend presentations. Nevertheless, the environment was pleasant and the swimming pool provided some relax for those who got tired of operations management.

This conference was the first in the life of EurOMA that the number of presentations exceeded the number of participants. The scientific committee had a difficult time to evaluate the 461 submitted abstracts. Finally **342** full papers were accepted and presented to the almost **300** participants in **19** sessions. Another "innovation" of the conference was that the conference book contained only the extended abstracts and the full papers were available only in CD sparing some place in the luggage of participants.

The diversity of the topics and the conference itself is well demonstrated by the number of session titles. Altogether, 28 session titles gave frame to the presentations. The ratio of topics did not really change dramatically compared to previous years. The winner, similarly to previous years, was *supply chain management* and related issues. Slightly less paper were presented in logistics and a bit more in environment, technology management and new product development/innovation.

There were two keynote speakers during the conference. In the opening session *Prof. Ulusoy Gündüz* summarized the status of Turkish operations management and highlighted some possible paths to improve Turkish competitiveness. *Prof. Luk N. Van Wassenhove* (INSEAD) closed the conference with his plenary speech about "Supply chain management in the context of humanitarian disasters". He spoke about the different world of humanitarian aid as compared to business, which he thinks, is vital to understand in order to really help these people with our business based concepts. He also pointed at the difficulties of organizing responsive supply chains in this field where both customers and suppliers can change from one day to another, and at the advantages of cooperation between humanitarian and business logistics in the form of cross-learning.

In the traditional **Chris Voss Award**, which is given to the best paper in the Proceedings of the conference, the results were as follows: **Peter Van Donk, Taco Van Der Vaart and Cristina Giménez** won the prize with the paper "*Business conditions, integration and performance in supply chains*". There were two runner-up papers. One of them was written by **Cavdaroglu Burak and Gür Ali Özden** with the title "*Profit maximizing pharmacy decision and pharmacy discounts in Turkey*". The other one was quite surprisingly **my own paper** written together with **Dávid Losonci and István Jenei** with the title "*The effect of position and gender on perceptions of lean transformation – the case of a Hungarian automotive parts supplier*".

Going through the papers in the Proceedings I discovered the following, closely inventory related papers:

Nico Dellaert, Simme Douwe Flapper and Tarkan Tan: Integral capacity and inventory decision making in a simple production system

Georgia Skintzi, Theodora Karantana, Gregory Prastacos and George Ioannou: Cooperative and non-cooperative strategies in a three-node serial supply chain

Dilay Celebi and Demet Bayraktar: Stochastic modelling of two-echelon lot sizing problem for time varying demand

Jennifer K. Ryan, Daewon Sun and Shin Hojung: Stockless operations under competition

Kadir Ertogral: Vendor buyer lot sizing problem with stochastic demand: a service level approach

Marko Jaksic: Inventory management with limited stochastic supply and advance supply information

Seda Tepe and Fikri Karaesmen: Impacts of advance demand information in multi-class production-inventory systems

Yavuz Günelay: Efficient management of production and inventory systems in a multi-item manufacturing facility: MTS vs. MTO

And finally, to say something about the future, the **15th EurOMA** conference will take place in **Groningen, the Netherlands**, with the theme "**Tradition and innovation in operations management**" on **June 15-18, 2008**. The website has been set up already: www.euroma2008.org. Please do not forget to record it in your diary.

(Krisztina Demeter)