

Call for Papers

MIM 2013
IFAC Conference on Manufacturing Modelling,
Management, and Control
June 19-21, 2013
St. Petersburg, Russia
<http://mim2013.org/>

Invited Session on “*Computational Methods for Stochastic Inventory Control*”

Session Chairs

Prof. S. Armagan TARIM, Hacettepe University, Ankara, Turkey
Dr. Roberto ROSSI, University of Edinburgh, UK

The control of inventory is of great importance for any manufacturing and service operation. For that reason inventory control plays a central role in any supply chain system. The importance of modelling uncertainty and dynamic nature of business environment in inventory systems is growing as product life cycles contract and the relevance of historical data is decreasing and contributing to uncertainty. While uncertainty and dynamic business environments are universally recognized as complicating factors for planners and schedulers, decision support systems and ERPs hardly ever support non-deterministic and non-static views of data and incorporate mechanisms to consider nonstationarity. Most researchers believe that our inability to effectively address these issues in inventory management is a serious inhibitor in the use of research outcomes in practice. For that reason, in order to be relevant, inventory research must tackle large-scale stochastic optimization problems. However, the corresponding models often pose serious computational challenges for even small sized problems. This session aims to bring researchers together to exchange ideas on the state of the art in computational methods for stochastic inventory control and to present their research results regarding the implementation of inventory policies.

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For author guidelines, please refer to <http://www.mim2013.org>

Important dates:

November 30, 2012: deadline for invited paper submission (6 pages max.)

February 1, 2013: notification of paper acceptance/rejection

April 15, 2013: final papers submission and early registration