Special Session on
“Managing risks in supply chain and manufacturing management systems”
for MOSIM’10
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http://www.enim.fr/mosim10

Session Chair(s)
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Session Description
This session follows up the works on “Decision under uncertainty” organized by the group FL of the GdR MACS.
Materials managers in manufacturing, distribution and more generally supply chain systems are supposed to make decisions in presence of uncertainties. These uncertainties are due to imprecise, uncertain, incomplete, inaccurate and/or changing informations. Management practices have been developed in order to reduce the exposure of the systems to such risks. But, the nature of these uncertainties, and the ability of the manager to tackle with risks have a major influence on the decision making. Those are why various objectives exist, such as robustness, reactivity, adaptability, agility or resilience, and are symptomatic of the manager’s position when facing risks.
Considering decision modelling and evaluation, uncertainties can be such that a stochastic approach is not sufficient. Other types of models also need to be integrated and impact the decision making.
This track aims at gathering works that deal with the management of risks when managing flows of goods in a production, distribution or more generally supply chain systems. Papers will underline their contribution in term of new management practices, uncertainties characterisation, or risk management approaches. Moreover because of the conference specificities, modelling and simulation contribution should particularly be underlined.

Session Topics
Modeling methodologies Resilience, agility and robustness evaluation
Mathematical modeling tools Simulation of stochastic systems
Simulation tools and methods Multi-criteria aided decision
Optimisation methods Simulation and optimisation
Object approaches, actors, multi-agents, frames Risks and uncertainty modelling and evaluation
Information and decision systems Risk management

Submission: Authors are requested to provide a full paper of 10 pages maximum written in English or French, in accordance with the template format of the conference. The authors are requested to submit their draft papers online and select the proper special session at http://www.enim.fr/mosim10

Important dates: October 31st, 2009: deadline for paper submission
January 29th, 2010: notification of acceptance/reject
February 26th, 2010: deadline for final paper submission