

Special Track on “Design and Management of Flexible Supply Networks” for INCOM2009

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<http://incom09.org/>

Track Chairs:

- *Dr. Dmitry Ivanov, Chemnitz University of Technology, GERMANY*
- *Prof. Kurt Sandkuhl, Jönköping University, SWEDEN*
- *Prof. Alexander Smirnov, St.Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences, RUSSIA*

The aim of this Track is to present new approaches and methods for the design & management of flexible supply networks. A particular attention will be made to adaptive supply chains and build-to-order supply networks.

Organizations are undergoing significant transformations to answer challenges of customer-driven markets, globalization, and competition pressure. To ensure a long-term competitiveness and survival, companies implement new supply strategies, based on collaboration with business partners, modularization, concentration of core competencies, and an advanced application of information technologies. One of the key issues in up-to-date research in supply chain design & management is supply network flexibility and agility. Within these strategies, different concepts like flexible supply network, adaptive, agile, and responsive supply chains exist. This Track aims to discuss the trends, methods, and tools in how design and manage supply chains to increase organizations' wealth by producing demand-corresponding products in the most cost-effective manner through increasing agility, responsiveness, reaction speed to market changes, and continuous comprehensive adaptation of supply networks.

Track topics:

The design & management of flexible supply networks is a wide open area for development and application of *Intelligent Decision Technologies*. The track chairs invite scientists, engineers and decision makers from government, industry and academia to contribute theoretical and applied research papers in areas including but not limited to the following topics:

Theoretical basis and models of intelligent decision making for the design & management of flexible supply networks; Strategies and concepts of design & management for flexible, adaptive, and agile supply chains; Supply Chain Operations Management; Supply Chain Adaptation; Optimization, Multi-agent systems & Simulation; Knowledge management issues in flexible supply networks; Applications and case studies.

Submission

Submitted papers (6 pages in IFAC double column format) will be reviewed by at least two referees, see submission site <http://ifac.papercept.net/> Both academic and industrial oriented communications will be considered. All papers accepted for presentation will appear in the Preprints and will be distributed to the participants. Papers duly presented at the Symposium will be archived in the form of Proceedings published at IFAC-PapersOnline.net by Elsevier. Further submission instructions are available on the IFAC website www.ifac-control.org. Several international journals are associated with the symposium for publication of special issues.

Important dates:

October 1, 2008: deadline for paper submission
January 6, 2009: notification of acceptance/reject
March 15, 2009: deadline for final paper.