# Special Track on "Models and Algorithms for Robust Production Planning" for INCOM2009

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## Track Chairs:

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The aim of this Track is to present new approaches and methods for robust planning in production systems. In particular, new paradigms for robust planning are welcome.

Robust planning is becoming a critical issue for managers of almost all production systems. The concept of robustness in the production context was first introduced at the design level. A robust product is one that conveys a sense of strength and accurate performance even when functioning under severe conditions. To develop such a robust product the designer must identify the potential sources of variation, and eliminate or reduce their effects on the product. The process of designing robust production plans can be thought of much like the process of designing robust products. A plan is thus considered robust if it remains valid regardless of variation resulting from the deterioration of the production system, increased lead times, and poor forecasts.

## Track topics:

This track is open to contributions tackling the issue of robustness in production planning at all levels in which the issue emerges naturally. In particular we are interested in papers discussing robustness in:

- *Hierarchical production control*
- *Material Requirement Planning*
- *Integrated planned and scheduling*
- *Lot-sizing and sequencing*
- *Inventory control*
- *Just in Time policies*
- *…*

## Submission

Submitted papers (6 pages in IFAC double column format) will be reviewed by at least two referees. Both academic and industrial oriented communications will be considered. All papers accepted for presentation will appear in the Preprints of the symposium 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 instructions as well as submissions are handled by the IFAC website http://ifac.papercept.net/. Several international journals are associated with the symposium for publication of special issues.

## Important dates:

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