

## International Conference on Industrial Engineering and Systems Management

May 13-15, 2009, Montreal, Canada

### Call for papers – Special Session on Human Aspects of Planning and Scheduling

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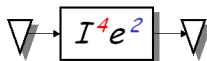
#### Session Description

For nowadays companies, productivity alone is not anymore a sufficient competitive advantage: reactivity, innovation, product customisation, short time-to-market or customer service have become as a consequence major objectives in most companies. This new orientation has consequences at the manufacturing level: flexibility, an important condition for meeting these objectives, is indeed a natural human quality, whereas its introduction in machines, automated systems or software remains costly and unsatisfactory. Therefore, the interaction between the human workforce and the planning process is deeply changing, at two different levels: interaction between the human planner and its environment (planning software, but also other planners), and human resource as the main entity considered in the planning process. This problematic has been the main focus of the HOPS-COST research group (Human and Organisational Factors in Planning and Scheduling; <http://www.hops-research.org/>). The main originality of this group was to gather researchers from the human sciences and technology communities in order to address the problem according to its two main dimensions.

#### Recommended Topics

The aim of this session is on one hand to give an overview of the works performed within the HOPS framework, and on the other hand to compare these works to other studies. The topics addressed include, but are not limited to:

- Interactive planning and scheduling,
- Socio-technical issues of planning and scheduling,
- Performance assessment,
- Competence management in planning and scheduling,
- Human planner and scheduler
- Explicit and tacit knowledge in planning and scheduling
- Organization of planning and scheduling processes
- Inter- and Intra- organisational interfaces
- Human information processing capabilities along the supply chain
- Human-centred planning and scheduling processes
- Design and support of the planning and scheduling task
- Human control capabilities
- Human-centred building of planning and scheduling IT
- Human-centred design of scheduling algorithms
- Task analysis methods for planning and scheduling
- Allocating scheduling functions to humans and algorithm
- Integration of human decision-making in mathematical planning models



# IESM'2009

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## Instructions to authors

Authors are requested to provide a full paper of 10 pages maximum, written in English. The full manuscript should be submitted in accordance with the template format of the conference (available at <https://symposia.cirrelt.ca/IESM09/en/Instructionstoauthors>)

## Submission

The authors are requested to submit their draft papers online and select the proper special session at <https://symposia.cirrelt.ca/IESM09/en/Submission>.

## Important deadlines

Draft papers and posters should be submitted by **November 15, 2008**

Authors will receive the acceptance notification by **February 15, 2009**

Final papers for presentation should be sent before **March 1, 2009**

For complete information, visit the IESM'09 Web Site at  
<http://cirrelt.ca/IESM2009>

