

## International Conference on Industrial Engineering and Systems Management

**May 13-15, 2009, Montreal, Canada**

### **Call for papers - Special Session on metaheuristics and simulation applied to goods and services production systems.**

**Session chair:** Olivier ROUX – LSM/FUCaM – Mons, Belgium  
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#### **Session Description**

In view of globalization, companies are bound to be increasingly competitive and dynamic. To achieve this goal they must innovate, adapt and optimize their organizations and their system of production. They are looking for solutions in a shorter time, for problems which are more and more complex. The metaheuristics are good alternatives to the exact methods when those reach their limits. Indeed they are able to offer good solutions in a reasonable time. The methods which were developed during the forty last years are applicable to a broad range of problems from design to manufacturing. The evaluation of the considered systems leads the decision-makers to elaborate more and more complex models that are translatable into simulation models or need adaptation to be instantiated as analytical models. Within the context of optimization and simulation of goods and services in production systems, the objective of this session is to gather original papers dealing with applications of metaheuristics at one or several decision levels: design, dimensioning, planning, scheduling, reengineering... Submissions describing practical applications (case studies) based on the hybridization/coupling of optimization and simulation are highly recommended.

#### **Recommended Topics**

Researchers and practitioners are invited to submit complete original papers dealing with the following topics but are not limited to evolutionary algorithms, ant colony optimization, swarm intelligence, greedy randomized adaptive search procedures, neural networks, simulated annealing, taboo search, electro-magnetism methods and other hybrid approaches... The "cost-function" might be either analytical or preferably based on a simulation of the target problem.

#### **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**

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'2009 Web Site at  
<http://cirrelt.ca/IESM2009>**

