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Special Session on  
“**Optimal design of production and assembly lines**”  
for **MIM '2013**

June 19-21, 2013 – Saint Petersburg, Russia

**Session Chair(s)**

- Hicham CHEHADE, Assistant professor, [hicham.chehade@utt.fr](mailto:hicham.chehade@utt.fr)
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**Session Description**

The manufacturers of production and assembly lines try to achieve optimal design of their developments in order to get the highest performances with the lowest costs. This session presents the latest contributions in the field of production and assembly lines design. Different sub-problems as buffers sizing or line balancing may be discussed. Additionally performances evaluations using different techniques (Simulation, Petri nets, Markov chains ...) may be presented. We are interested essentially in the optimization techniques of the design problems. These techniques could be exact methods (branch and bound, two phase method ...), heuristics or based on metaheuristics (genetic algorithms, ant colony ...). They could be also based on a single or multi objective optimization.

**Session Topics**

- Lines design:
  - o Buffers sizing
  - o Equipment selection
  - o Line balancing
  - o ...
- Optimization methods:
  - o Exact methods
  - o Heuristics
  - o Metaheuristics
  - o Multiobjective optimization methods

**Submission:** Authors are requested to provide a full-length paper of 6 pages maximum written in English in accordance with the template format of the conference. The authors are requested to submit their draft papers online at <http://mim2013.org>

**Important dates:**

**November 1, 2012:** deadline for paper submission  
**February 1, 2013:** notification of acceptance/reject  
**April 15, 2013:** final papers submission and early registration