

Special Track on
“Extended Design”
for **MOSIM’10**

May 10-12, 2010 - Hammamet, Tunisia

<http://www.enim.fr/mosim10>

Track Chair(s)

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Track Description

Following the successful workshop EXPPAND'08 (Extended Product and Processes Analysis aNd Design) held in Bordeaux in 2008 (15 papers were presented) and the track EXPPAND organized during the International Congress of Industrial Engineering in 2009 (CIGI'09) at Bagnères de Bigorre - France (18 papers were presented), we propose to extend this dynamics by organizing a track "Extended Design" during the MOSIM'10 congress which will be held in Hammamet on May 10-12, 2010.

The design process of systems and services interacts more and more closely with all the business processes within the enterprise. Decision-making processes in product design are no longer isolated, leading to conflicts with other processes. They are now oriented towards integration, sharing, exchange and collaboration with external processes, thus forming an integrated process of extended design. The first decisions to be taken at the earliest steps of a preliminary design process have to be consistent and coordinated with all the different processes in order to avoid or to limit the changes during downstream steps. The impact of these decisions on the enterprise performance has to be controlled as well as their impact on the other processes. This situation requires the definition of appropriate models taking into account the large and multidisciplinary aspect of decision-making in wide, extensive and dynamic contexts. Similarly, the control of exchanges between external processes and the design process requires well suited methods and tools.

The purpose of this track is to allow researchers and practitioners to present their work in the field of design when it is extended to other processes.

Track Topics

Researchers and practitioners are invited to submit original papers dealing with the following topics (but not limited to):

- Integrated engineering
- Innovative products design
- Integrated Product/Project design

- Product design and supply chain design (or enterprise network design)
- Product and process modeling
- Requirements engineering
- System engineering
- Knowledge engineering and experience feedback process
- Integration of actors competencies
- PLM-PDM solutions
- Collaborative work and interoperability

Submission: authors are requested to provide a full paper of 10 pages maximum written in English or French, in accordance with the template format of the conference. The authors are requested to submit their draft papers online and select the proper special session on <http://www.enim.fr/mosim10>

Important dates:

October 31st, 2009: deadline for paper submission

January 29th, 2010: notification of acceptance/reject

February 26th, 2010: deadline for final paper submission