



International Conference on Industrial Engineering and Systems Management

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Seville, Spain

Special Session on:

Supply chain dynamics

Proposed by:

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Description:

This conference session invites reflection on how to design and/or manage a supply chain system from supply chain dynamics perspective. It emphasizes the interactions between supply chain players and the economic consequences. The most popular topic of supply chain dynamics is called "bullwhip effect". It is the term used to describe the scenario that orders upstream tend to have large fluctuations than the sales downstream. It produces severe impact on the suppliers' performance such as excessive capacity, labor idling and over-time; eventually these costs will be passed onto customers. The area has received considerable attention in the past two decades, but there are still many open questions. Although many reasons jeopardize the performance of the supply chain, the issue of supply chain dynamics might be universal. A local farm would be vulnerable facing the bullwhip effect due to the products' perishable feature. A multinational might suffer because of the geographical dispersion. Therefore, the session would be inclusive of local and global views. The session would welcome the innovative studies addressing supply chain dynamics issues on inventory control, manufacturing, logistics and transport. The session would also

welcome the applications to the real world to improve supply chain performance. By embracing theoretical, methodological and practical papers, the session would provide the opportunities to both researchers and practitioners to share the knowledge, research, and experience about supply chain dynamics. Meanwhile, it may provide future directions in the field of industrial and system engineering.

Further information:

Submissions to the special sessions will be through the same submission site and under the same rules as for the main conference. Please, consult the general call for papers of the IESM 2015 conference at <http://www.iesm15.org/evenements/iesm2015/call-papers> or the conference web site at <http://www.iesm15.org/> for more and updated details.