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**The 6th edition of the IEEE International Conference on Logistics
Operations Management**

Innovation in Supply Chain Management

Special Session: Supply Chain Risk Management

Background of the special session:

Faced with an economic, social, industrial fast-changing environment, supply chain companies must develop ways to maintain competitive position and attempt to gain market share. This necessitates the regular deployment of innovative approaches both at the level of developed products and technologies, in the design, manufacturing, marketing, distribution processes even changes to the organizational structure of a company should be considered.

Under such conditions new situations can quickly become difficult to control. Thus, in this highly changing and fluctuating environment managers must make decisions both at an operational and strategic level. One of the difficulties in making decisions is the presence of risks and imperfect or imprecise information, ...

Novelty, lack of knowledge and experience are sources of uncertainty and risk. Decision-making can often be categorized as strategic. Examples are found in the implementation of products or services as well as in developing technologies. This is extremely difficult given the traditional tools and methods. The actions to be taken for the control of an industrial plant in crisis can also be difficult. This complexity increases if one attempts to take into account ongoing events as they happen.

Objective of the session:

The objective of this session is to discuss, share and compare new models/approaches/methods appropriate to assist in understanding, analysing and decision-making in supply chain uncertain and / or risky environments.

Without being exhaustive, the following topics will be discussed and reviewed in this session:

- The links between innovation, uncertainty, risk and decision;
- The methods/approaches to analyze and manage risks: identification, detection, prevention, anticipation, assessment, treatment;
- The methods/approaches incorporating risk and uncertainty in the management and the control of the activities;
- The models to help decision making faced to risk, uncertainty;
- The diversity of emerging risks and their management.

Possible applications areas (but not exhaustive):

- Supply chain management;
- Industrial management;
- Project Management;
- New product development;
- Organizational changes.

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