

ILS

Information Systems,
Logistics and
Supply Chain



THEMATIC SESSION: TS04

Title: Modelling and design challenges of Information Systems for Supply Chain Management

Conference associated Topic: Information and Decision Systems for Supply Chain Management

Organizers: Virginie GOEPP (INSA Strasbourg, ICube, France), Michaël PETIT (UNamur, PReCISE, Belgium) & Valérie BOTTA-GENOULAZ (INSA Lyon, DISP-lab, France)

Contact: virginie.goeppe@insa-strasbourg.fr, michael.petit@unamur.be, valerie.botta@insa-lyon.fr

Abstract: In an increasingly competitive business environment, the success of a single enterprise depends on its ability to cooperate and integrate with other businesses as companies are no longer competing on a “firm-versus-firm”, but on a “supply-chain-versus-supply-chain” basis. For improved cooperation and integration, supply chains need, more than ever, to adopt and implement Information Systems. These Supply Chain Information Systems (SCISs) support information exchange and storage, and provide relevant information to the chain partners. Implementing these inter-organizational information systems, shared by two or more organizations, is a complex task requiring both technical and organizational changes that need to be managed carefully and therefore require well defined methods. The objective of this special session is to allow researchers to exchange on topics related to the challenges associated with the modelling, the design and the implementation of SCISs. Authors are invited to submit original contributions on the following or related topics:

- Integration of IT systems (ERP, CRM, SRM, ...) into SCM
- Interoperability of SCIS
- Methodologies for modelling, design and implementation of SCISs
- Organizational and technical challenges for SCIS projects
- Design of smart SCIS systems (IoT, ...)
- Project, risk and change management for SCIS

Keywords: *Supply Chain Information System, Information sharing, Enterprise Modelling, Information System Project Management, Risk factor management, Inter-organizational Information System design*

