Sylvain Bertel

Clermont Auvergne University, France

A hybrid algorithm for a health care supply chain problem

It deals with the reorganization of a French dental care hospital using a modeling approach by multiple incremental processes. This work is a part of a double complexity (algorithmic and systemic) in the implementation of tools for the hospital supply chain. For this purpose, several formal multicriteria models have been made. We have developed a hybrids algorithm to solve large instances. They will subsequently help for the dialogue with the various stakeholders of the dental hospital chain for its reorganization.

Speaker Biography

Sylvain Bertel has been working as Assistant Professor of Computer Sciences and Production Engineering at Clermont-Ferrand Management School (Clermont Auvergne University) since 2002. His research deals mainly with building models in optimization method with genetic algorithms and the use of discrete event simulation methods. He applies his modeling in the field of industrial enterprises, financial supply chain management, human resources management and health care systems. Before integrating the academic world, he worked in an IT service company.

e: sylvain.bertel@uca.fr

Notes: