CREATE
HEALTHCARE OPERATIONS & INFORMATION MANAGEMENT

CIRRELT La science des réseaux
The Science of Networks

Thursday, January 13th, 2011
1:00 PM – 3:00 PM
Bronfman Bldg., Rm. 310
1001 Sherbrook St. West, Montreal

An approach to simulation modeling of human flow in a hospital/healthcare environment

Alexandre Ouellet
Director, Modeling Solutions, Trellisys Technologies Inc.

Abstract
This Presentation describes an approach to simulating human flow in a hospital. The objective of this study was to determine the number of elevators required as well as to define their roles in the context of a hospital expansion project. Acquisition costs and maintenance costs are considered, but primarily space constraints and wait times make the decisions surrounding the use of elevators in hospitals of strategic importance. Our approach to modeling has permitted us to evaluate different elevator configurations within a single model. Decision makers were able to quantify and test different scenarios in a risk free environment.

New technologies to enable automation in healthcare

Richard Philippe
Founder and CEO of Logi-D

Abstract
With the healthcare sector facing an increasing demand for services and growing financial pressure, hospitals are having difficulty finding ways to reduce expenses. One of the untapped ways for hospitals to reduce costs and increase capacity is to address logistics issues by improving efficiencies. In this presentation, we will discuss new technologies that enable automation of the supply chain and how they have emerged as a viable response to these challenges. Such leading-edge practices are already well established in the industrial logistics sector and are showing promise in the updating of supply management mechanisms in hospitals. During the presentation, we will also demonstrate how supply chain activities impact patient care, and we will conclude by highlighting case studies that provide a look at how supply chain automation projects featuring these technologies have benefited hospitals. Logi-D is a leading provider of innovative hospital supply chain automation solutions inspired by the industrial logistics sector and the inventor of the internationally recognized RFID-enabled two-bin replenishment concept, branded 2BIN-iD.

A light lunch will be served.

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