Concordia University
ENCS
Engineering & Computer Science

Concordia Institute for Information Systems Engineering

THE CONCORDIA INSTITUTE FOR INFORMATION SYSTEMS ENGINEERING IS PLEASED TO PRESENT THE FOLLOWING GUEST LECTURE IN OUR CIISE DISTINGUISHED SEMINAR SERIES

Dr. Luc LeBel

Department of Forest and Wood sciences
Laval University

Strategic Design for an Integrated and sustainable Forest Supply Chain

The forest products industry is in need of innovative tools and methods that draw from the domains of industrial engineering and supply chain management in order to improve its sustainability and business performance. FORAC, a multidisciplinary team of researchers in forestry, industrial engineering, business administration and computer science, contributes to this effort by developing methods and models that attempts to solve problems that relate to operations planning, logistic, and production management. The presentation will provide examples of complex problems that challenge researchers working in the domain. One such example pertains to the design of an integrated bio-refinery and forest product supply chain network. The basic concepts of supply chain, supply chain management, and supply chain design will be introduced. A general market-driven supply chain network structure is proposed allowing the optimal investment decisions to be made in choosing the right facilities, technologies, capacities, and their locations, that strategically maximize the supply chain value. Finally, an integration platform currently under development for collaborative planning will be introduced.

Biography: Professor Luc LeBel is a forest systems analysis specialist. He holds a master's degree in Engineering Administration, a master's of science, and a Ph.D. in forestry from Virginia Tech. He is codirector of FORAC, an international reference in the development of knowledge and competences in the fields of integration and optimization of the value creation network in the forest products industry through the use of new technologies and e-business models. Professor LeBel has worked extensively with forest organizations in the United States, Canada, France and Sweden to document their business networks and to study the factors affecting their performance. His logging performance analysis efforts have culminated in a multidisciplinary research program that he leads (Programme de recherche sur les entrepreneurs forestiers de récolte et transport – PREFORT). PREFORT focuses on better understanding the complex interactions between semi-independent production units within the wood supply system. His academic contributions have been published in Anals of operations research, EJOR, Forest policy and economics, Canadian Journal of forest sciences, Forestry Chronicle and the Journal of forest engineering.

Thursday, March 3, 2011

16:00 – 17:00

EV003.309

Université Concordia University

1455 De Maisonneuve Blvd. West, EV 7.640, Montreal, Quebec, Canada H3G 1M8
Tel: 514-848-2424 ext. 5847 Fax: 514-848-3171 www.ciise.concordia.ca