

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

Dr. Stephan Vachon, Associate Professor
Logistics and Operations Management Department
HEC Montreal

**Lean Management and Supply Management:
Their Role in Green Practices and Performance**

Organizations are faced with an increasing pressure to engage in sustainable development and to integrate environmental and social dimensions into their traditional performance metrics. To date, a number of studies have linked a firm's environmental practices to its economic and operational performance. On the other hand, prior research suggests that lean management and supply management are potentially important determinants of environmental performance and can be seen as capabilities that ease the adoption of environmental practices. To help understand the role of lean and supply management in improving the firm's environmental performance, a conceptual model proposes that the extent of environmental investments (i.e., environmental practices) mediates the relationship between lean and supply management with environmental performance. We tested our model using plant-level survey data from a sample of Canadian manufacturing plants. The results indicate support for our conjecture that supply management, as well as lean activities, provide means by which environmental investments are encouraged. However, only lean activities are correlated with environmental performance through environmental investments.

Biography: Stephan Vachon is an Associate Professor and the Logistics and Operations Management Department Chair at HEC Montreal. Prior joining HEC Montreal, Dr. Vachon was a faculty member at Clarkson University, New York. He earned a BSc and an MSc in Economics from the University of Montreal, and a Ph.D. in Business Administration from the Ivey School of Business at the University of Western Ontario. Dr. Vachon's research interests include supply chain management, environmental management, and energy policy. His research has been published in the *International Journal of Production Research*, *IEEE Transactions on Engineering Management*, *Production and Operations Management*, *Energy Policy*, *International Journal of Operations and Production Management*, *Journal of Cleaner Production*, and *Environmental Science and Policy*. Prior his doctoral studies, Dr. Vachon worked for KPMG Consulting where he performed cost analysis, quality audits, and feasibility studies in the public and private sectors.

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