Richard Ivey School of Business
The University of Western Ontario

IVEY

Ph.D. Opportunities in Management Science at the Richard Ivey School of Business

The Richard Ivey School of Business at the University of Western Ontario is seeking candidates interested in pursuing a Ph.D. in Management Science. Management science involves the development of mathematical models to solve complex problems and improve management decision making. It makes use of tools such as optimization, stochastic processes, game theory, computer simulation, data mining and systems dynamics modeling, and is widely used in both the public and private sectors. Current faculty and their research interests are as follows:

Mehmet A. Begen (M.S. British Columbia) is interested in operations research applications, especially in healthcare. His current research involves appointment scheduling and incentive-based surgery scheduling.

Peter C. Bell (Ph.D. Chicago) investigates ways that firms achieve a competitive advantage by using management science and develops mathematical models of new and innovative revenue enhancing business practices. Recent work includes models that demonstrate the effectiveness of re-planing, fencing, and buyback policies in enhancing revenues.

Srini Krishnamoorthy (Ph.D. Columbia University) studies game theory and behavioral models in pricing and revenue management. His current projects include the analysis of competitive pricing strategies in the presence of reference effects for consumer electronic products, and modeling price wars in the airline industry.

Fredrik Odegaard (Ph.D. British Columbia) studies revenue management and health care. His most recent work in revenue management involves modeling the dynamics of online auctions. His most recent health care work involves two studies – one examining the value of investments in health on the productivity of an organization, and one examining quality of life among patients with diabetes.

John Wilson (Ph.D. Carnegie-Mellon) is interested in modeling software errors, maintenance scheduling for stochastically failing machines, Bayesian approaches to reliability and Bayesian models for yield management.

Xinghao Yan (Ph.D. Purdue) studies information asymmetry, inventory sharing, supplier selection and quality competition in decentralized supply chains. He is also interested in healthcare operations management, with a focus on information asymmetry and optimization of hospital operations parameters.

Greg Zaric (Ph.D. Stanford) develops models to evaluate health care programs and policies. Recent work includes an evaluation of the cost-effectiveness of the Vancouver supervised injection facility and models to investigate the optimal design of pharmaceutical price-volume agreements.

The University of Western Ontario is located in London, Canada. London has a population of approximately 350,000 and is located 200 km southwest of Toronto.

Funding is provided for up to 4 years while students are enrolled in the program. A master's degree is preferred but not required. For more information contact Kristina Bradley, kbradley@ivey.uwo.ca, 1.519.661.2111, ext. 85277. Full details on the Ph.D. program at Ivey are available at http://www.ivey.uwo.ca/academic/PHD/ .