Supervisor: Professor Chi-Guhn Lee, cglee@mie.utoronto.ca
Title of Research Project: Multi-agent approach to security system in a network
Description:
We propose to develop a dynamic optimization algorithm for multiple decision makers along a network where security is important. The algorithm will produce a solution by which the decision makers can distribute their limited resources for maximum security level throughout the network. The student is required to implement a Monte Carlo simulation and dynamic optimization model as part of the thesis.

Supervisor: Professor Chi-Guhn Lee, cglee@mie.utoronto.ca
Title of Research Project: Dynamic optimization for patrolling urban areas
Description:
We propose to develop a dynamic optimization algorithm for multiple decision makers in an urban area where decision makers are gathering information relevant to safety of public. The algorithm will produce a solution by which the decision makers can distribute their limited resources for maximum information gathering. The student is required to implement a Monte Carlo simulation and dynamic optimization model as part of the thesis.