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**Seminar
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**The Price of Anarchy:
An Application to Supply
Chain Contract**

**By:
Dr. Donglei Du**

The concept of price of anarchy (PoA) has been an extremely popular concept in computer science and operations research communities in the last few years. It has found applications in computer network, Internet, transportation network, and supply chain management. The PoA is a concept from algorithmic game theory that measures how well people do when they play selfishly (Nash equilibrium) versus choosing the social optimum. In this talk, we will apply this concept to characterize the efficiency of the price-only contract under various supply chain structures, a key problem in supply chain management

Donglei Du is a professor in Operations Research at the Faculty of Business Administration, University of New Brunswick. His main research interests are Combinatorial Optimization (in particular Network Flow, Scheduling, Facility Location, Approximation/Online/Randomized Algorithms), Supply Chain Management, and Algorithmic Game Theory.

**Wednesday, September 22nd @ 3:30pm
Information Technology Centre C-317**