August 18 - 21, 2010
Fields-MITACS Workshop on
Approximations, Asymptotics and Resource Management for Stochastic Networks

School of Mathematics and Statistics, Herzberg Building, HP 4351
Carleton University

Organizers: Minyi Huang and Yiqiang Q. Zhao

Wednesday August 18
1:00-1:30pm (Coffee/Registration)
1:30-3:00pm (Tutorial 1) **Michel Mandjes,** University of Amsterdam and CWI
Levy-driven Queues
3:00-3:15pm Coffee/Tea
3:15-4:45pm (Tutorial 2) **Masakiyo Miyazawa**, Tokyo University of Science
Light Tail Asymptotics for Stochastic Networks

Thursday August 19
8:30-9:00am (Coffee/Registration)
9:00-10:30am (Tutorial 1) **Michel Mandjes,** *Levy-driven Queues*
10:30-10:45am Coffee/Tea
10:45am-12:15pm (Tutorial 2) **Masakiyo Miyazawa**, *Light Tail Asymptotics for Stochastic Networks*

12:15-1:00pm (Lunch, provided)

1:00-2:00 **Doug Down**, McMaster University
State-Dependent Response Times via Fluid Limits in Shortest Remaining Processing Time Queues
2:00-2:30 **Peter Rabinovitch,** RIM
Critical Paths in Random Networks
2:30-3:00 Coffee/Tea
3:00-4:00 **Yuanyuan Liu,** Central South University
Subgeometric Ergodicity and Integral-type Functionals for Continuous-time Markov Chains
4:00-4:30 **Zhidong Zhang**, University of Saskatchewan
Call Centres with Balking and Abandonment: from Queueing to Queueing Network Models

Friday August 20
8:30-9:00am (Coffee/Registration)
9:00-10:30am (Tutorial 1) **Michel Mandjes,** *Levy-driven Queues*
10:30-10:45am Coffee/Tea
10:45am-12:15pm (Tutorial 2) **Masakiyo Miyazawa**, *Light Tail Asymptotics for Stochastic Networks*

12:15-1:00pm (Lunch, provided)

1:00-2:00 **Yuliy Baryshnikov,** Alcatel-Lucent Bell Labs
Search on the Edge of Chaos
2:00-2:30 **Guichang Zhang,** University of Saskatchewan
Infinite-server Queues with Time-varying Rates
2:30-3:00 Coffee/Tea
3:00-4:00 **Hui Li,** Mount Saint Vincent University
Light-Tailed Behaviour for Random Walks in the Quarter Plane
4:00-4:30 **Gheorghe Miscoi**, Free International University of Moldova
Multidimensional Analogs of the Kendall Equation and Its Application for Evaluating the Traffic Characteristics

Saturday August 21
8:30-9:00am (Coffee/Registration)
9:00-10:30am (Tutorial 1) **Michel Mandjes,** *Levy-driven Queues*
10:30-10:45am Coffee/Tea
10:45am-12:15pm (Tutorial 2) **Masakiyo Miyazawa**, *Light Tail Asymptotics for Stochastic Networks*

12:15-1:00pm (Lunch, provided)

1:00-2:00 **Peter Glynn,** Stanford University
       Explicit Computation and Asymptotics for Finite Buffer Models
2:00-2:30 **Qishu Cai,** University of Waterloo
       Shipment Consolidation by Private Carriage: A Matrix-Analytical Approach
2:30-3:00 Coffee/Tea
3:00-4:00 **Ravi R. Mazumdar,** University of Waterloo
       Congestion in Large Balanced Fair Links
4:00-4:30 **TBA**