Workshop Schedule

Monday, September 9, 2013

08:45 - 09:00 BIRS Staff’s Welcome and Introduction

09:00 - 09:35 Donald A. Dawson (Carleton University)
        A dual approach to models with multilevel selection

09:35 - 10:10 Martin Möhle (University of Tübingen)
        Conditions for exchangeable coalescents to come down from infinity

10:10 - 10:40 Coffee break

10:40 - 11:15 Juan Carlos Pardo (CIMAT Guanajuato)
        Total internal and external lengths of the Bolthausen-Sznitman coalescent

11:15 - 11:30 Session on open problems

11:30 - 14:00 Lunch break
        There is a guided tour of Banff Centre between 1pm and 2pm.

14:00 - 14:15 Group Photo

14:20 - 14:55 Jean-Francois Delmas (Cermics Paris)
        Conditioned Galton-Watson trees

14:55 - 15:30 Anita Winter (University Duisburg-Essen)
        Convergence of bi-measure R-trees and the subtree prune process

15:30 - 16:00 Coffee break

16:00 - 16:35 Lea Popovic (Concordia University)
        Ancestral features of multitype branching trees

16:35 - 17:10 Anja Sturm (University of Göttingen)
        Long term behavior of subcritical contact processes
Tuesday, September 10, 2013

08:50 - 09:25 Lancelot F. James (Hong Kong University of Science and Technology)
   *Another look at Pitman and Yor’s Proposition 21*

09:25 - 10:00 Antonio Lijoi (University of Pavia)
   *Vectors of random probability measures for Bayesian inference*

10:00 - 10:30 Coffee break

10:30 - 11:05 Igor Pruenster (University of Torino and Collegio Carlo Alberto)
   *Frequentist asymptotic behaviour of Gibbs-type priors*

11:05 - 11:40 Peter Orbanz (Columbia University)
   *Random measures generating binary matrices and their application in Bayesian statistics*

11:40 - 14:00 Lunch break

14:00 - 14:35 Jie Xiong (University of Macau and University of Tennessee)
   *Some nonlinear SPDES from measure valued processes*

14:35 - 15:10 Kenji Handa (Saga University)
   *Ergodic properties for a class of generalized Fleming-Viot processes*

15:10 - 15:40 Coffee break

15:40 - 16:15 Peter Pfaffelhuber (University of Freiburg)
   *Some large deviation results in Kingman’s coalescent*

16:15 - 16:50 Stefano Favaro (University of Torino)
   *Bayesian nonparametric inference for discovery probabilities*

16:50 - 17:20 Session on open problems
Wednesday, September 11, 2013

09:00 - 09:35 Robert Griffiths (Oxford University)
   Generalized Wright-Fisher diffusion processes

09:35 - 10:10 Sylvie Mélédard (École Polytechnique, Palaiseau)
   Stochastic dynamics of adaptive trait and neutral marker driven by eco-evolutionary feedbacks

10:10 - 10:40 Coffee Break

10:40 - 11:15 Yee Whye Teh (Oxford University)
   Modelling genetic variations using fragmentation-coagulation processes

11:15- Lunch and free afternoon.
Thursday, September 12, 2013

09:00 - 09:35 Alison Etheridge (Oxford University)
   The spatial Lambda-Fleming-Viot process and friends (provisional title)

09:35 - 10:10 Clément Foucart (Université Paris Nord)
   The impact of selection in the Lambda-Wright-Fisher model

10:10 - 10:40 Coffee break

10:40 - 11:15 Feng Yu (University of Bristol)
   Decoupling of linkage disequilibrium via recombination

11:15 - 11:30 Session on open problems

11:30 - 14:00 Lunch break

14:00 - 14:35 Shizan Fang (Université de Bourgogne)
   Fokker-Planck equations on Lie groups

14:35 - 15:10 Wei Sun (Concordia University)
   Markov processes and semi-Dirichlet forms

15:10 - 15:40 Coffee break

15:40 - 16:15 Xiaowen Zhou (Concordia University)
   The modulus of continuity for \(\Lambda\)-Fleming-Viot processes with
   Brownian spatial motion

16:15 - 16:50 Matteo Ruggiero (University of Torino and Collegio Carlo Alberto)
   Optimal filtering and the dual process

16:50 - 17:20 Session on open problems
Friday, September 13, 2013

09:00 - 09:35 Jochen Blath (TU Berlin)
   *On the scaling limit of the interface of the symbiotic branching model*

09:35 - 10:10 Dario Spanò (University of Warwick)
   *Polynomial spectrum of time-dependent Gamma and Dirichlet random measures*

10:10 - 10:40 Coffee break

10:40 - 11:15 Anton Wakolbinger (University of Frankfurt)
   *The spatial Lambda-Fleming-Viot process: an event-based construction and a look down representation*