

# 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 Méléard (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 Dirichet 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*