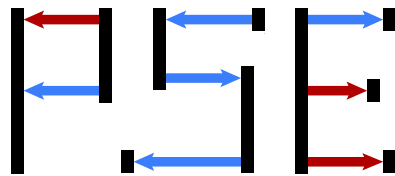


Spatial population models: From configurations to genealogies and back

A workshop within the DFG Priority Program 1590



March 25–27, 2019

Program

March 25th, 2019 (Monday)	
13:00–13:30	Registration
13:30–13:45	Opening
13:45–14:45	FRANK DEN HOLLANDER The hierarchical Cannings process
14:45–15:45	THEODORE J. COX Super-Brownian motion and the spatial Lambda-Fleming-Viot process - II
15:45–16:15	Coffee Break
16:15–17:15	ELLEN BAAKE Ancestral lines under selection and recombination
17:15–18:15	ANTON WAKOLBINGER Populations under selection and competition: from particles to continuum genealogies.
18:15–18:25	Small Break
18:25–18:55	MARGRIET OOMEN Spatial populations with seed-bank
19:00–21:00	Discussion and Snack Buffet

March 26th, 2019 (Tuesday)	
9:00–10:00	PETER PFAFFELHUBER Martingale problems: existence and duality
10:00–11:00	ANITA WINTER The Kingman coalescent under evolution
11:00–11:30	Coffee Break
11:30–12:30	ACHIM KLENKE Infinite rate symbiotic branching on the real line: The tired frogs model
12:30–13:30	Lunch Break
13:30–14:00	ROLAND MEIZIS Metric two-level measure spaces: A state space for modeling evolving genealogies in host-parasite systems
14:05–14:35	ELISABETH HUSS Optimizing mutation rates under fluctuating selection
14:35–14:45	Small Break
14:45–15:30	ANDREJ DEPPERSCHMIDT Tree-valued Feller branching diffusion
15:30–16:00	Coffee Break
16:00–16:45	MATTHIAS BIRKNER Brownian web limit for coalescing random walks on the 1+1-dimensional oriented percolation cluster
16:50–17:35	JAN SWART Interface tightness
17:40–18:25	ANJA STURM Recursive tree processes and mean-field limits of interacting particle systems
19:30–22:00	Conference Dinner

March 27th, 2019 (Wednesday)	
9:00–09:45	VLADA LIMIC A new look at the multiplicative coalescent with immigration
09:50–10:35	LEA POPOVIC A measure-valued model for spatial reaction networks with diffusion
10:35–11:00	Coffee Break
11:00–11:45	ANTON KLIMOVSKY Modeling stochastic processes on evolving networks
11:50–12:35	SANDRA KLIEM Representations for measure-valued branching processes re-visited
12:35–13:30	Lunch Break
13:30–14:30	ANTON BOVIER Crossing a fitness valley as a metastable transition
14:30	End of the Workshop
14:30–17:30	ROUNDTABLE - PERSPECTIVES OF FURTHER RESEARCH Participants: Steering committee and M. Birkner, J.T. Cox, A. Klenke, S. Kliem, A. Klimovsky, V. Limic, M. Oomen, P. Pfaffelhuber, L. Popovic, A. Sturm, J. Swart, A. Winter