Tuesday, Feb 16, 2016

Session Chair: Vadim Gorin (MIT)

8:50am Lars Bildsten (KITP) Welcome
9:00am Herbert Spohn (TUM) Searching for the Tracy-Widom distribution in nonequilibrium processes

10:00am Morning Break

10:30am Markus Muller (Paul Scherrer) Manifestations of KPZ-scaling in localized quantum particles: Magnetoresistance, conductance fluctuations and the role of exchange statistics
11:30am Gregory Schehr (CNRS) Non-intersecting Brownian motions: from Yang-Mills-theory to KPZ

12:30pm Lunch Break

Session Chair: Pierre Le Doussal (LPT-ENS)

2:00pm Konstantin Khanin (U Toronto) On directed polymers for random Hamilton-Jacobi equation and KPZ problem

3:00pm Afternoon Break

3:30pm Benjamin Doyon (King's College) Thermalization and pseudolocality in extended quantum systems
4:30pm Hubert Saleur (USC) Long time approach to the steady state in driven quantum impurity problems

5:30pm Reception

6:00pm Special Events Dinner
8:00pm

**SHUTTLE TO BWSCI**

**Wednesday, Feb 17, 2016**

**Session Chair: Pasquale Calabrese (SISSA)**

9:00am Paul Wiegmann (U Chicago)  
Coulomb gas on Riemann surfaces

10:00am  
**Morning Break**

10:30am David S. Weiss (Penn State)  
1D gas experiments near integrability

11:30am Philippe Di Francesco (U Illinois)  
Macdonald operators, from cluster algebra to elliptic Hall algebra

12:30pm  
**Lunch Break**

**Session Chair: Alexei Borodin (MIT)**

2:00pm Jan Felipe van Diejen (U Talca)  
Bethe Ansatz for a finite q-boson system with boundary interactions

3:00pm  
**Afternoon Break**

3:30pm Jean-Sébastien Caux (UvA)  
Dynamics and relaxation in integrable quantum systems

4:30pm Rinat Kedem (UIUC)  
Macdonald theory and fusion products via quantum toroidal algebras

5:30pm  
**SHUTTLE TO BWSCI**

**Thursday, Feb 18, 2016**

**Talks are 45 min + 15 min discussion, Chair: Ivan Corwin (Columbia U)**

9:00am Fabian Essler (U Oxford)  
Prethermalization and thermalization in models with weak integrability breaking

10:00am  
**Morning Break**

10:30am Joachin Krug (U Koeln)  
Random paths in evolutionary biology

11:30am Mykhaylo Shkolnikov (Princeton)  
Edge of beta ensembles and the stochastic Airy semigroup

12:30pm  
**Lunch Break**

**Session Chair: Kurt Johansson (KITH)**

2:00pm Austen Lamacraft (U Cambridge)  
z-measures and the nonlinear Luttinger liquid
3:00pm  Afternoon Break

3:30pm Jan De Gier (U Melbourne)  Multi-species exclusion process and Macdonald polynomials
4:30pm Lauren Williams (UCB)  The two-species exclusion process and Koornwinder moments.
5:30pm  RECEPTION
6:00pm  SPECIAL EVENTS DINNER
8:00pm  SHUTTLE TO BWSCI

**Friday, Feb 19, 2016**

**Session Chair: Takashi Imamura (Chiba U)**

9:00am Patrik Lino Ferrari (Bonn U)  Around the time-time correlations in KPZ growth models
10:00am  Morning Break

10:30am Kurt Johansson (KTH)  Two-time distribution in last-passage percolation
11:30am Marton Kormos (Budapest U)  Quantum quenches in the sine-Gordon model: a semiclassical approach
12:30pm  Lunch Break

**Session Chair: Fabian Essler (U Oxford)**

2:00pm Joel Moore (UCB)  Quantum transport in one dimension from different types of integrability
3:00pm  Afternoon Break

3:30pm Ilya Gruzberg (U Chicago)  Stochastic Loewner chains for DLA-like growth
4:30pm  **CONFERENCE END-SHUTTLE TO BWSCI** *also available to SB Airport and SB Airbus, Goleta location* (please see registration desk before Friday to sign up)