Interface fluctuations and KPZ universality class
– unifying mathematical, theoretical, and experimental approaches

Program

	Aug. 20 (Wed)	Aug. 21 (Thu)	Aug. 22 (Fri)	Aug. 23 (Sat)
9:30 / 10:00		Le Doussal	Corwin	Halpin-Healy
10:30	Opening	coffee break	coffee break	coffee break
11:00 / 11:30	Kardar	Myllys	Borodin	Almeida / Rodriguez-Laguna
12:00 / 12:30 / 13:00	Lunch	Lunch	Lunch	Lunch
13:30 / 14:00	Krug	Takeuchi	Funaki	Katori
14:00	coffee break	coffee break	coffee break	coffee break
14:30	Tracy	Yunker	Osada	Delamotte
15:00		Albano	coffee break	
15:30	coffee break	coffee break	Poster preview	coffee break
16:00	Ferrari	Atis		Spohn
16:30		Kahng	Poster	
16:30	coffee break	coffee break		Closing
17:00 / 17:30	Sasamoto	Ferreira		
18:00		Banquet		
18:30				

Invited talk	
Contributed talk	

Aug. 20 (Wed)

10:30-10:45　　Opening

10:45-11:45　　M. Kardar
　　　　"An underlying link for scaling of fluctuations in growth fronts, fracture lines, strong localization, …"

11:45-13:15　　Lunch

13:15-14:15　　J. Krug
　　　　"The KPZ universality conjecture: Old ideas and new applications"

14:30-15:30　　C. Tracy
　　　　"Distribution Functions for Largest Eigenvalues and Their Universality"

15:45-16:45　　P. Ferrari
　　　　"Tracy-Widom distributions in discrete models"

17:00-18:15　　T. Sasamoto
　　　　"A few caveats and exact solutions for the 1D KPZ equation"

Aug. 21 (Thu)

9:30-10:30　　P. Le Doussal
　　　　"Exact results for the KPZ equation from the replica Bethe ansatz method"

10:45-11:45　　M. Myllys
　　　　"Experimental realization of KPZ dynamics: Slow combustion of paper"

11:45-13:15　　Lunch

13:15-14:15　　K. A. Takeuchi
　　　　"KPZ-class interfaces in turbulent liquid crystal: beyond a "mere" confirmation"

14:30-15:00   P. J. Yunker
"Effects of Particle Shape on Evaporating Drops of Colloidal Suspensions: From Uniform Coatings to Universal Growth Processes"

15:00-15:30   E. V. Albano
"In Vitro study of the growth and interfacial behavior of Vero and HeLa cells cultures"

15:45-16:15   S. Atis
"Three universality classes for reaction fronts in disordered flow"

16:15-16:45   B. Kahng
"Continuous and discontinuous interface dynamics in disordered media: theoretical and experimental studies"

17:00-18:00   S. Ferreira
"Understanding pending features of the KPZ class in discrete growth models"

18:30-   Banquet

Aug. 22 (Fri)

9:30-10:30   I. Corwin
"Macdonald processes, quantum integrable systems
and the KPZ universality class (Part 1)"

10:45-11:45   A. Borodin
"Macdonald processes, quantum integrable systems
and the KPZ universality class (Part 2)"

11:45-13:15   Lunch

13:15-14:15   T. Funaki
"KPZ equation, its renormalization and invariant measures"

14:30-15:00   H. Osada

"Infinite-dimensional stochastic differential equations arising from random matrix theory"

15:15-16:15   Poster preview

16:15-18:15   Poster session

Aug. 23 (Sat)

9:30-10:30   T. Halpin-Healy

"Universal Correlators & Distributions as Experimental Signatures for 2+1 KPZ Growth"

10:45-11:15   R. A. L. Almeida

"KPZ Universality and Anomalous Scaling in the Growth of CdTe Thin Films"

11:15-11:45   J. Rodriguez-Laguna

"The role of topology on the Kardar-Parisi-Zhang universality class"

11:45-13:15   Lunch

13:15-14:15   M. Katori

"Martingales for Determinantal Log-Gases"

14:30-15:30   B. Delamotte

"The non-perturbative renormalization group approach to KPZ"

15:45-16:45   H. Spohn

"Nonlinear fluctuating hydrodynamics in one dimension"

16:45-17:00   Closing