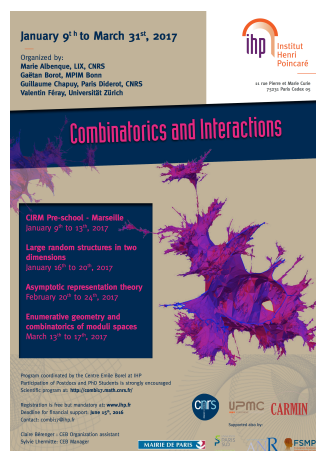


« Combinatorics and Interactions » Paris, January 9th – March 31st, 2017

Workshop on Asymptotic Representation Theory Paris, February 20th – 24th, 2017 Amphitheater Hermite



Organizers : Valentin Féray (University of Zurich) and Pierre-Loïc Méliot (Université Paris-Sud)

Invited speakers :

Alexey Bufetov (MIT)

Reda Chhaibi (Université Paul Sabatier, Toulouse)

Benoît Collins (Kyoto University)

Ivan Corwin (Columbia University)

Manon Defosseux (Université Paris V)

Maciej Dołęga (University of Poznań)

Alexander Gnedin (Queen Mary, University of London)

Cédric Lecouvey (University François Rabelais, Tours)

Sho Matsumoto (Kagoshima University)

Jonathan Novak (University of California in San Diego)

Greta Panova (University of Pennsylvania)

Leonid Petrov (University of Virginia)

Arun Ram (University of Melbourne)

Dan Romik (University of California in Davis)

Anne Schilling (University of California in Davis)

Piotr Śniady (Polish Academy of Sciences)

Pierre Tarrago (Centro de Investigación en Matemáticas, Mexico)

Lauren Williams (University of California in Berkeley)

Martha Yip (University of Kentucky)

PROGRAM

Monday February 20th

9.30 am – 10.00 am	Registration and welcome coffee	– IHP ground floor
10.00 am – 10.50 am	Dan Romik	An asymptotic formula for the number of n-dimensional representations of SU(3), the Witten zeta function and the Bernoulli numbers.
11.00 am – 11.50 am	Jonathan Novak	Semiclassical asymptotics of $GL_N(\mathbb{C})$ tensor products.
11.50 am – 02.00 pm	Lunch break – Free time	
02.00 pm – 02.50 pm	Anne Schilling	Random walks from semigroup representations.
03.00 pm – 03.50 pm	Pierre Tarrago	Asymptotic study of the graph of zigzag diagrams.
04.00 pm – 04.30 pm	Coffee break IHP ground floor	
04.30 pm – 05.20 pm	Sho Matsumoto	Plancherel measures on strict partitions: polynomiality and limit shape problems.

Tuesday February 21st

09.30 am – 10.20 am	Piotr Śniady	Jack characters: dual combinatorics of Jack polynomials.
10.30 am – 11.00 am	Coffee break IHP ground floor	
11.00 am – 11.50 am	Maciej Dołęga	Gaussian fluctuations of Jack-deformed random Young diagrams.
11.50 pm – 02.00 pm	Lunch break – Free time	
02.00 pm – 02.50 pm	Leonid Petrov	Characters of infinite-dimensional unitary group and particle systems.
03.00 pm – 03.50 pm	Alexey Bufetov	Asymptotics of stochastic particle systems via Schur generating functions.
04.00 pm – 04.30 pm	Coffee break IHP ground floor	
04.30 pm – 05.20 pm	Alexander Gnedin	Spherically Symmetric Random Permutations.

06.00 pm – 09.00 pm **Cocktail Dinner** **Pierre and Marie Curie University**
Zamansky Tower – 24th floor
4 place Jussieu – 75005 Paris
Subway line 7 – Station : Jussieu
Note : bring your ID card or Passport

Wednesday February 22nd

09.30 am – 10.20 am	Lauren Williams	Newton-Okounkov bodies and cluster duality for the Grassmannian.
10.30 am – 11.00 am	Coffee break IHP ground floor	
11.00 am – 11.50 am	Ivan Corwin	Stochastic quantum integrable systems.

Thursday February 23th

09.30 am – 10.20 am	Manon Defosseux	Space-time Brownian motion in an affine Weyl chamber and radial part of an Hermitian Brownian sheet.
10.30 am – 11.00 am	Coffee break	IHP ground floor
11.00 am – 11.50 am	Cédric Lecouvey	Harmonic functions on multiplicative graphs and weight polytopes of representations.
11.50 am – 02.00 pm	Lunch break – Free time	
02.00 pm – 02.50 pm	Arun Ram	A Fock space plan.
03.00 pm – 03.50 pm	Martha Yip	Generalized Kostka polynomials.
04.00 pm – 04.30 pm	Coffee break	IHP ground floor
04.30 pm – 05.20 pm	Reda Chhaibi	Functional equations in number theory and the reflection principle for random walks.

Friday February 24th

09.30 am – 10.20 am	Benoît Collins	Weingarten Calculus through orthogonality relations.
10.30 am – 11.00 am	Coffee break	IHP ground floor
11.00 am – 11.50 am	Greta Panova	Hook formulas for skew shapes and asymptotics of skew SYTs.

Abstracts are available on the website of the trimester « [Combinatorics and Interactions](http://combi17.math.cnrs.fr/?sec=workshop2) »: <http://combi17.math.cnrs.fr/?sec=workshop2>

