

**CONFERENCE "PROBABILISTIC LIMIT THEOREMS FOR DYNAMICAL SYSTEMS"**

**CIRM 29/10/2018 - 2/11/2018**

	Monday 29	Tuesday 30	Wednesday 31	Thursday 1	Friday 2
9h10-10h	Emmanuel Rio	Alexey Korepanov	Jacopo de Simoi	Romain Aimino	Christophe Cuny
10h10-10h30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
10h30-11h20	Oliver Butterley	Fanni Sélley	Sébastien Gouëzel	Péter Nandori	Nicolai Haydn
11h30-12h20	Dalia Terhesiu	Çagri Sert	Hong-Kun Zhang	Ana Cristina Moreira Freitas	Damien Thomine
16h-17h		Posters session			
17h-17h30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
17h30-18h20	Mike Todd	Zemer Kosloff		Sana Louhichi	
18h30-19h20	Davide Giraudo & Na Zhang	Adam Jakubowski		Guy Cohen	

Talks:

- (1) **Emmanuel Rio**: *On the second Borel-Cantelli lemma for weakly dependent stationary sequences*
- (2) **Oliver Butterley**: *Resonances of Nilmanifold Automorphisms, Equidistribution of Nilflows*
- (3) **Dalia Terhesiu**: *Limit theorems for Almost Anosov flows*
- (4) **Mike Todd**: *Pressure and limit theorems: the infinite measure case*
- (5) **Davide Giraudo**: *Limit theorems for random fields 1 - weak*
- (6) **Na Zhang**: *On the quenched CLT for stationary random fields under projective criteria*
- (7) **Alexey Korepanov**: *Statistical stability on short time scale*
- (8) **Fanni Sélley**: *Asymptotic behaviour of infinite coupled map systems*
- (9) **Çagri Sert**: *The joint spectrum and limit theorems for random matrix products*
- (10) **Zemer Kosloff**: *A strong law of large numbers for the boundary of the range the simple random walk in two dimensions*
- (11) **Adam Jakubowski**: *Stable limits for Markov chains and contractivity properties of transition operators*
- (12) **Jacopo de Simoi**: *Diffusion limit for a slow-fast Standard Map*
- (13) **Sébastien Gouëzel**: *Growth of normalizing sequences in limit theorem*
- (14) **Hong-Kun Zhang**: *Lévy diffusion for Lorentz gas with flat points*
- (15) **Romain Aimino**: *Gibbs random walks in random environment*
- (16) **Péter Nandori**: *Mixing and the local central limit theorem for hyperbolic dynamical systems*
- (17) **Ana Cristina Moreira Freitas**: *The extremal index and the cluster size*
- (18) **Sana Louhichi**: *Multiplicative ergodicity of Laplace transforms for additive functional of Markov chains with application to age-dependent branching process*
- (19) **Guy Cohen**: *FCLT for toral automorphisms along the orbits of random walks*
- (20) **Christophe Cuny**: *ASIP with rates for some non uniformly expanding maps*
- (21) **Nicolai Haydn**: *Local escape rates for  $\phi$ -mixing systems*
- (22) **Damien Thomine**: *An application of probabilistic potential theory to dynamical systems*

Posters:

- **Matt Galton**: *Iterated weak invariance principle for slowly mixing dynamical systems*
- **Davide Giraudo**: *Deviation inequalities for martingales*
- **Lucas Reding**: *On the quenched CLT for stationary random fields*
- **Lucas Reding**: *On the Nadaraya-Watson regression estimator for irregularly spaced data*
- **Julien Sedro**: *Quenched limit theorems via complex cone contraction*