CENTRE
DE RECHERCHES
MATHÉMATIQUES

HORAIRE / *PROGRAM*

ATELIER SUR

LES PROBABILITÉS EN THÉORIE DES NOMBRES

21 mai au 1 juin 2018

WORKSHOP ON

PROBABILITY IN NUMBER THEORY

May 21–June 1, 2018

CONFÉRENCES : salle 6254 (Pavillon André-Aisenstadt)
PAUSES-CAFÉ : salle 6245 (Pavillon André-Aisenstadt)

LECTURES: *Room 6254 (Pavillon André-Aisenstadt)*
COFFEE BREAKS: *Room 6245 (Pavillon André-Aisenstadt)*

Le lundi 21 mai 2018 / *Monday, May 21, 2018*

09:00–10:00 Inscription (salle 5345) et café-croissants (salle 6245)
Registration (Room 5345) and Coffee & Croissants (Room 6245)

10:00–11:00 Daniel Fiorilli (Université d'Ottawa)
"Low-lying zeros of quadratic Dirichlet L-functions: the transition"

11:00–11:30 Pause-café / *Coffee break*

11:30–12:30 Stephen Lester (Queen Mary University of London)
"Sign changes of Fourier coefficients of half-integral weight modular forms"

Le mardi 22 mai 2018 / *Tuesday, May 22, 2018*

09:00–10:00 Café croissants / *Coffee & Croissants*

10:00–11:00 Joni Teräväinen (University of Turku)
"Correlations of multiplicative functions"

11:00–11:30 Pause-café / *Coffee break*

11:30–12:30 Zhiwei Wang (Université de Lorraine)
"On the largest prime factors of consecutive integers"

Le mercredi 23 mai 2018 / *Wednesday, May 23, 2018*

09:00–10:00 Café croissants / *Coffee & Croissants*

10:00–11:00 Nikos Frantzikinakis (University of Crete)
"The Möbius disjointness conjecture of Sarnak for ergodic weights"

11:00–11:30 Pause-café / *Coffee break*

11:30–12:30 Élie Goudout (Université Paris Diderot)
"Integers with a fixed number of prime factors in short intervals"

Le jeudi 24 mai 2018 / *Thursday, May 24, 2018*

09:00–10:00 Café croissants / *Coffee & Croissants* (Salle / *Room* 4361)

10:00–11:00 Sary Drappeau (Aix-Marseille Université)
"Statistics of the Stern sequence"

11:00–11:30 Pause-café / *Coffee break* (Salle / *Room* 4361)

11:30–12:30 Youness Lamzouri (York University)
"On the distribution of the maximum of exponential and Kloosterman sums"

Le vendredi 25 mai 2018 / *Friday, May 25, 2018*

09:00–10:00 Café croissants / *Coffee & Croissants*

10:00–11:00 Louis-Pierre Arguin (Baruch College, CUNY)
"Maxima of the Riemann zeta function in a short interval of the critical line"

11:00–11:30 Pause-café / *Coffee break*

11:30–12:30 Régis de la Bretèche (Université Paris Diderot)
"Gál's sums and applications"

Le lundi 28 mai 2018 / *Monday, May 28, 2018*

09:00–10:00 Café croissants / *Coffee & Croissants*

10:00–11:00 Jean-Marc Deshouillers (Université de Bordeaux INP)
"Probabilist questions raised by two number theoretic topics"

11:00–11:30 Pause-café / *Coffee break*

11:30–12:30 Carl Pomerance (Dartmouth College)
"Primitive sets"

Le mardi 29 mai 2018 / *Tuesday, May 29, 2018*

09:00–10:00 Café croissants / *Coffee & Croissants*

10:00–11:00 Lucile Devin (University of Ottawa)
"Chebyshev's bias for products of irreducible polynomials"

11:00–11:30 Pause-café / *Coffee break*

11:30–12:30 Greg Martin (University of British Columbia)
"Certain three-way prime number races"

Le mercredi 30 mai 2018 / *Wednesday, May 30, 2018*

09:00–10:00 Café croissants / *Coffee & Croissants*

10:00–11:00 Gérald Tenenbaum (Université de Lorraine, Site de Nancy)
"Friable Turán-Kubilius inequality : a survey"

11:00–11:30 Pause-café / *Coffee break*

11:30–12:30 Eugenijus Manstavicius (Vilnius University)
"Probabilistic number theory on random permutations"

Le jeudi 31 mai 2018 / *Thursday, May 31, 2018*

09:00–10:00 Café croissants / *Coffee & Croissants*

10:00–11:00 Akshaa Vatwani (University of Waterloo)
"Zeros of partial sums of L-functions"

11:00–11:30 Pause-café / *Coffee break*

11:30–12:30 Oleksiy Klurman (Royal Institute of Technology, KTH)
"Mean values of multiplicative functions over the function fields"

Le vendredi 1 juin 2018 / *Friday, June 1, 2018*

09:00–10:00 Café croissants / *Coffee & Croissants*

10:00–11:00 Lilian Matthiesen (KTH)
"Correlations of multiplicative functions and applications"

11:00–11:30 Pause-café / *Coffee break*

11:30–12:30 Cécile Dartyge (Université de Lorraine, Site de Nancy)
"On exponential sums with reducible polynomials"