

HORAIRE / PROGRAM

AUX FRONTIÈRES DE LA PHYSIQUE MATHÉMATIQUE
UN HOMMAGE À L'OCCASION DU 70E ANNIVERSAIRE DE BARRY
SIMON

28 août au 1 septembre 2016

FRONTIERS IN MATHEMATICAL PHYSICS
IN HONOUR OF BARRY SIMON'S 70TH BIRTHDAY

August 28–September 1, 2016

CONFÉRENCES :

28 au 31 août : salle G-415 (Pavillon Roger-Gaudry)

1er septembre : salle M-415 (Pavillon Roger-Gaudry)

PAUSES-CAFÉ :

Hall d'honneur (Pavillon Roger-Gaudry) :

LECTURES:

August 28-31: Room G-415 (Pavillon Roger-Gaudry)

September 1: Room M-415 (Pavillon Roger-Gaudry)

COFFEE BREAKS:

Hall d'honneur (Pavillon Roger-Gaudry):

Le dimanche 28 août 2016 / *Sunday, August 28, 2016*

13:00–14:30 Inscription et café / *Registration and Coffee* (Salle / Room Hall d'honneur)

14:30–14:40 Mot de bienvenue / *Opening Remarks*

14:40–15:40 Joseph Avron (Technion)
“Vignettes”

15:40–16:40 Fritz Gesztesy (Baylor University)
“Eigenvalue counting function bounds for the Krein-von Neumann extension associated with uniformly elliptic PDEs”

16:40–19:00 Réception / *Reception* (Salle / Room Hall d'honneur)

Le lundi 29 août 2016 / Monday, August 29, 2016

08:30–09:00 Café croissants / *Coffee & Croissants*

09:00–10:00 Jürg Fröhlich (ETH - Honggerberg)
“The arrow of time”

10:00–10:30 Pause-café / *Coffee break*

10:30–11:30 Israel Michael Sigal (University of Toronto)
“Existence and stability of magnetic vortex lattices”

11:30–12:30 Rupert L. Frank (California Institute of Technology)
“Recent results on the ionization problem”

12:30–14:30 Pause-déjeuner / *Lunch break*

14:30–15:30 Andrei Martinez-Finkelshtein (Universidad de Almería)
“Do polynomials dream of quadratic differentials?”

15:30–16:30 Horng-Tzer Yau (Harvard University)
“Spectral statistics of random graphs”

Le mardi 30 août 2016 / Tuesday, August 30, 2016

08:30–09:00 Café croissants / *Coffee & Croissants*

09:00–10:00 Percy Deift (Courant Institute of Math. Sciences, NYU)
“Universality for the Toda algorithm to compute the eigenvalues of a random matrix”

10:00–10:30 Pause-café / *Coffee break*

10:30–11:30 Svetlana Jitomirskaya (University of California, Irvine)
“Some long-term effects of the almost periodic flu”

11:30–12:30 Doron Lubinsky (Georgia Tech)
“Barrycentric asymptotics for orthonormal polynomials and their progeny”

12:30–14:30 Pause-déjeuner / *Lunch break*

14:30–15:30 Michael Aizenman (Princeton University)

15:30–16:30 László Erdős (Institute of Science and Technology Austria)
“The matrix Dyson equation in random matrix theory”

17:30–
 Banquet - Restaurant Ernie and Ellie's (6900 boul. Décarie)
Banquet - Ernie and Ellie's Restaurant (6900 Décarie Blvd.)

Le mercredi 31 août 2016 / Wednesday, August 31, 2016

08:30–09:00 Café croissants / *Coffee & Croissants*

09:00–10:00 Martin Hairer (The University of Warwick)

10:00–10:30 Pause-café / *Coffee break*

10:30–11:30 Alexei Borodin (MIT)

11:30–12:30 Herbert Spohn (Technische Universität München)

“Directed polymers in a two-dimensional random medium with complex weights”

12:30–14:30 Pause-déjeuner / *Lunch break*

14:30–15:30 Thomas Spencer (Institute for Advanced Study)

“Statistical mechanics and random band matrices”

15:30–16:00 Pause-café / *Coffee break*

16:00–17:00 Abel Klein (University of California, Irvine)

“Eigensystem multiscale analysis for Anderson localization in energy intervals”

Le jeudi 1 septembre 2016 / *Thursday, September 1, 2016*

09:00–09:30 Café croissants / *Coffee & Croissants*

09:30–10:30 Elliott H. Lieb (Princeton University)

“A ‘liquid-solid’ phase transition in a simple model for swarming”

10:30–11:00 Pause-café / *Coffee break*

11:00–12:00 Robert Seiringer (Institute of Science and Technology Austria)

“Periodic striped ground states in Ising models with competing interactions”