

HORAIRE / *PROGRAM*

**ÉCOLE SUR LES MATHÉMATIQUES DE LA MÉCANIQUE  
STATISTIQUE HORS D'ÉQUILIBRE, À L'OCCASION DU 60E  
ANNIVERSAIRE DE CLAUDE-ALAIN PILLET**

24 au 26 octobre 2018

***SCHOOL ON MATHEMATICS OF NON-EQUILIBRIUM  
STATISTICAL MECHANICS, ON THE OCCASION OF THE  
SIXTIETH BIRTHDAY OF CLAUDE-ALAIN PILLET***

*October 24-26, 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 mercredi 24 octobre 2018 / *Wednesday, October 24, 2018*

09:00–09:45 Inscription (salle 5345) et café-croissants (salle 6245)  
*Registration (Room 5345) and Coffee & Croissants (Room 6245)*

09:45–10:00 Mots de bienvenue de Luc Vinet et Jean Michel Combes / *Opening remarks by Luc Vinet and Jean Michel Combes*

**10:00–11:00 David P. Ruelle (IHES)**  
*“Two problems in non-equilibrium statistical mechanics: Hydrodynamic turbulence, and linear response - Part I”*

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

**11:30–12:30 David P. Ruelle (IHES)**  
*“Two problems in non-equilibrium statistical mechanics: Hydrodynamic turbulence, and linear response - Part II”*

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

**14:30–15:30 Israel Michael Sigal (University of Toronto)**  
*“Self-consistent theories of many-body dynamics”*

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

**16:00–17:00 Mathieu Lewin (Université Paris Dauphine)**  
*“Dynamics and return to equilibrium for infinite quantum gases in the mean-field approximation”*

17:00– Réception / *Reception*

**Le jeudi 25 octobre 2018 / Thursday, October 25, 2018**

09:30–10:00 Café croissants / *Coffee & Croissants*

**10:00–11:00 Jean-Pierre Eckmann** (Université de Genève)  
*“Celebrating Claude-Alain: “Dynamics of chemical networks””*

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

**11:30–12:30 Jean-Pierre Eckmann** (Université de Genève)  
*“Celebrating Claude-Alain: “Protein: the physics of amorphous learning matter””*

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

**14:30–15:30 Eugene Wayne** (Boston University)  
*“Breathers as metastable states for weakly damped lattices of Hamiltonian oscillators”*

15:30–16:00 Café / *Coffee*

18:00– Banquet au Restaurant Christophe (1187, Avenue Van Horne)  
*Conference banquet at the Restaurant Christophe (1187, Avenue Van Horne)*

**Le vendredi 26 octobre 2018 / *Friday, October 26, 2018***

09:30–10:00 Café croissants / *Coffee & Croissants*

**10:00–11:00 Carlangelo Liverani** (Università di Roma “Tor Vergata”)  
*“From microscopic to macroscopic: the hydrodynamic limit - Part I”*

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

**11:30–12:30 Carlangelo Liverani** (Università di Roma “Tor Vergata”)  
*“From microscopic to macroscopic: the hydrodynamic limit - Part II”*

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

**14:30–15:30 Yoshiko Ogata** (The University of Tokyo)  
*“Perturbation theory of KMS states”*

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

**Colloque des sciences mathématiques du Québec (CSMQ) (salle/Room 6254)**  
***Colloque des sciences mathématiques du Québec (CSMQ) (salle/Room 6254)***

**16:00–17:00 David P. Ruelle** (IHES)  
*“A generalized detailed balance relation”*