

HORAIRE / *PROGRAM*

**ÉCOLE D'ÉTÉ SMS 2017**  
LES SYSTÈMES DYNAMIQUES CONTEMPORAINS  
10 au 21 juillet 2017

***SMS 2017 SUMMER SCHOOL***  
***CONTEMPORARY DYNAMICAL SYSTEMS***  
*July 10–21, 2017*

**CONFÉRENCES :** salle Z-330 (Université de Montréal, Pavillon Claire-McNicoll)

**LECTURES:** *Room Z-330 (Université de Montréal, Pavillon Claire-McNicoll)*

## Le lundi 10 juillet 2017 / Monday, July 10, 2017

08:00–09:00 Inscription et café croissants  
*Registration and Coffee & Croissants*

**09:00–10:00 Sylvain Crovisier** (Université Paris-Sud 11)  
*“Partial hyperbolicity conservative and dissipative I”*

**10:00–11:00 Juan Rivera-Letelier** (University of Rochester)  
*“Thermodynamic formalism of one-dimensional maps I”*

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

**11:30–12:30 Patrice Le Calvez** (Université Pierre et Marie Curie )  
*“Maximal isotopies, transverse foliations and orbit forcing theory for surface homeomorphisms I”*

12:30–14:00 Déjeuner / *Lunch*

**14:00–15:00 Ferran Valdez** (Universidad Nacional Autonoma)  
*“Geometry and dynamics on infinite type flat surfaces I”*

**15:00–16:00 Thomas Barthelmé** (Queen’s University)  
*“Anosov flows in dimension 3 I”*

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

**16:30–17:30 Christiane Rousseau** (Université de Montréal)  
*“Singularities of analytic dynamical systems depending on parameters I”*

## Le mardi 11 juillet 2017 / Tuesday, July 11, 2017

08:00– Petit-déjeuner / *Breakfast*

**09:00–10:00 Patrice Le Calvez** (Université Pierre et Marie Curie )  
*“Maximal isotopies, transverse foliations and orbit forcing theory for surface homeomorphisms II”*

**10:00–11:00 Sylvain Crovisier** (Université Paris-Sud 11)  
*“Partial hyperbolicity conservative and dissipative II”*

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

**11:30–12:30 Thomas Barthelmé** (Queen’s University)  
*“Anosov flows in dimension 3 II”*

12:30–14:00 Déjeuner / *Lunch*

**14:00–15:00 Juan Rivera-Letelier** (University of Rochester)  
*“Thermodynamic formalism of one-dimensional maps II”*

**15:00–16:00 Ferran Valdez** (Universidad Nacional Autonoma)  
*“Geometry and dynamics on infinite type flat surfaces II”*

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

**16:30–17:30 Christiane Rousseau** (Université de Montréal)  
*“Singularities of analytic dynamical systems depending on parameters II”*

17:30– Cocktail de bienvenue / *Welcoming reception*

**Le mercredi 12 juillet 2017 / Wednesday, July 12, 2017**

08:00– Petit-déjeuner / *Breakfast*

**09:00–10:00 Ferran Valdez** (Universidad Nacional Autonoma)  
*“Geometry and dynamics on infinite type flat surfaces III”*

**10:00–11:00 Thomas Barthelmé** (Queen’s University)  
*“Anosov flows in dimension 3 III”*

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

**11:30–12:30 Sylvain Crovisier** (Université Paris-Sud 11)  
*“Partial hyperbolicity conservative and dissipative III”*

12:30–14:00 Déjeuner / *Lunch*

**14:00–15:00 Amie Wilkinson** (University of Chicago)  
*“Partial Hyperbolicity and Ergodicity I”*

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

16:00– Session d’affiches / *Poster Session*

## Le jeudi 13 juillet 2017 / *Thursday, July 13, 2017*

08:00–        Petit-déjeuner / *Breakfast*

08:00–09:00    Petit-déjeuner / *Breakfast*

**09:00–10:00** **Juan Rivera-Letelier** (University of Rochester)  
*“Thermodynamic formalism of one-dimensional maps III”*

**10:00–11:00** **Patrice Le Calvez** (Université Pierre et Marie Curie )  
*“Maximal isotopies, transverse foliations and orbit forcing theory for surface homeomorphisms III”*

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

**11:30–12:30** **Ferran Valdez** (Universidad Nacional Autonoma)  
*“Geometry and dynamics on infinite type flat surfaces IV”*

12:30–14:00    Petit-déjeuner / *Breakfast*

**14:00–15:00** **Amie Wilkinson** (University of Chicago)  
*“Partial Hyperbolicity and Ergodicity II”*

**15:00–16:00** **Thomas Barthelmé** (Queen’s University)  
*“Anosov flows in dimension 3 IV”*

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

Le vendredi 14 juillet 2017 / *Friday, July 14, 2017*

08:00–            Petit-déjeuner / *Breakfast*

**09:00–10:00** **Amie Wilkinson** (University of Chicago)  
*“Partial Hyperbolicity and Ergodicity III”*

**10:00–11:00** **Patrice Le Calvez** (Université Pierre et Marie Curie )  
*“Maximal isotopies, transverse foliations and orbit forcing theory for surface homeomorphisms IV”*

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

**11:30–12:30** **Juan Rivera-Letelier** (University of Rochester)  
*“Thermodynamic formalism of one-dimensional maps IV”*

**Le lundi 17 juillet 2017 / Monday, July 17, 2017**

08:00–        Petit-déjeuner / *Breakfast*

**09:00–10:00** **Andrés Navas** (Universidad de Santiago)  
*“Groups and dynamics I”*

**10:00–11:00** **Federico Rodriguez-Hertz** (Pennsylvania State university)  
*“Group actions, rigidity and beyond I”*

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

**11:30–12:30** **Christiane Rousseau** (Université de Montréal)  
*“Singularities of analytic dynamical systems depending on parameters III”*

12:30–14:00    Déjeuner / *Lunch*

**14:00–15:00** **Konstantin Khanin** (University of Toronto)  
*“Renormalization I”*

**15:00–16:00** **Andrés Navas** (Universidad de Santiago)  
*“Groups and dynamics III”*

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

**16:30–17:30** **Christiane Rousseau** (Université de Montréal)  
*“Singularities of analytic dynamical systems depending on parameters IV”*

**Le mardi 18 juillet 2017 / Tuesday, July 18, 2017**

08:00– Petit-déjeuner / *Breakfast*

**09:00–10:00 Konstantin Khanin** (University of Toronto)  
*“Renormalization II”*

**10:00–11:00 Andrés Navas** (Universidad de Santiago)  
*“Groups and dynamics II”*

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

**11:30–12:30 Jean-François Quint** (Université de Bordeaux I)  
*“Random walks on groups: limit theorems I”*

12:30–14:00 Pause-déjeuner / *Lunch break*

**14:00–15:00 Konstantin Khanin** (University of Toronto)  
*“Renormalization III”*

**15:00–16:00 Federico Rodriguez-Hertz** (Pennsylvania State university)  
*“Group actions, rigidity and beyond II”*

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

**16:30–17:30 Jean-François Quint** (Université de Bordeaux I)  
*“Random walks on groups: limit theorems II”*

17:30– Cocktail / *Reception*



**Le mercredi 19 juillet 2017 / Wednesday, July 19, 2017**

08:00–          Petit-déjeuner / *Breakfast*

**08:30–09:30 Jean-François Quint** (Université de Bordeaux I)  
*“Random walks on groups: limit theorems III”*

**09:30–10:30 Marcelo Viana** (IMPA)  
*“Lyapunov exponents I”*

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

**11:00–12:00 Andrés Navas** (Universidad de Santiago)  
*“Groups and dynamics IV”*

**12:00–13:00 Federico Rodriguez-Hertz** (Pennsylvania State university)  
*“Group actions, rigidity and beyond III”*

**Le jeudi 20 juillet 2017 / Thursday, July 20, 2017**

08:00–        Petit-déjeuner / *Breakfast*

**09:00–10:00 Enrique Pujals** (IMPA)

*“Dynamics of smooth volume-contracting surfaces diffeomorphisms I”*

**10:00–11:00 Jean-François Quint** (Université de Bordeaux I)

*“Random walks on groups: limit theorems IV”*

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

**11:30–12:30 Marcelo Viana** (IMPA)

*“Lyapunov exponents II”*

12:30–14:00    Pause-déjeuner / *Lunch break*

**14:00–15:00 Enrique Pujals** (IMPA)

*“Dynamics of smooth volume-contracting surfaces diffeomorphisms II”*

**15:00–16:00 Konstantin Khanin** (University of Toronto)

*“Renormalization IV”*

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

**16:30–17:30 Marcelo Viana** (IMPA)

*“Lyapunov exponents III”*

**Le vendredi 21 juillet 2017 / Friday, July 21, 2017**

08:00–            Petit-déjeuner / *Breakfast*

**08:30–09:30 Enrique Pujals (IMPA)**

*“Dynamics of smooth volume-contracting surfaces diffeomorphisms III”*

**09:30–10:30 Federico Rodriguez-Hertz (Pennsylvania State university)**

*“Group actions, rigidity and beyond IV”*

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

**11:00–12:00 Marcelo Viana (IMPA)**

*“Lyapunov exponents IV”*

**12:00–13:00 Enrique Pujals (IMPA)**

*“Dynamics of smooth volume-contracting surfaces diffeomorphisms IV”*