

HORAIRE / *PROGRAM*

TUTORIEL

UNE APPROCHE CONSTRUCTIVE ASSISTÉE PAR ORDINATEUR
DES SYSTÈMES DYNAMIQUES NON LINÉAIRES

1 au 2 avril 2019

TUTORIAL

*A COMPUTER-ASSISTED CONSTRUCTIVE APPROACH TO
NONLINEAR DYNAMICAL SYSTEMS*

April 1– 2, 2019

CONFÉRENCES : salle 5340 (Pavillon André-Aisenstadt)

PAUSES-CAFÉ : salle 6245 (Salon Maurice-l'Abbé, Pavillon André-Aisenstadt)

LECTURES: *Room 5340 (Pavillon André-Aisenstadt)*

COFFEE BREAKS: *Room 6245 (Salon Maurice-l'Abbé, Pavillon André-Aisenstadt)*

Le lundi 1 avril 2019 / Monday, April 1, 2019

09:00–09:30 Inscriptie (salle 5345) et café-croissants (salle 6245)
Registration (Room 5345) and Coffee & Croissants (Room 6245)

09:30–11:00 Jan Bouwe van den Berg (Vrije Universiteit Amsterdam)
“Finite dimensional problems”

11:00–11:15 Pause-café / *Coffee break*

11:15–12:45 Jason D. Mireles James (Florida Atlantic University)
“Validated numerics in Banach spaces: Taylor methods”

12:45–14:00 Pause-déjeuner / *Lunch break*

14:00–15:30 Jean-Philippe Lessard (McGill University)
“Periodic orbits via Fourier series”

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

16:00–18:30 Session de travail / *Open Problems Discussion*

Le mardi 2 avril 2019 / Tuesday, April 2, 2019

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

09:30–11:00 Jan Bouwe van den Berg (Vrije Universiteit Amsterdam)
“Chebyshev series for initial and boundary value problems”

11:00–11:15 Pause-café / *Coffee break*

11:15–12:45 Jason D. Mireles James (Florida Atlantic University)
“Parameterization of invariant manifolds”

12:45–14:00 Pause-déjeuner / *Lunch break*

14:00–15:30 Jean-Philippe Lessard (McGill University)
“Applications in PDEs”

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

16:00–18:30 Session de travail / *Open Problems Discussion*