

Centre de recherches mathématiques
Université de Montréal

Mini-conférence «Problèmes de suivis de parcours et de valeurs limites : une
influence constante en dynamique» à l'occasion du 60e anniversaire d'
Eusebius Doedel
Du 6 au 7 juillet 2007

*Mini-conference "Path Following and Boundary Value Problems: A
Continuing Influence in Dynamics" - On the occasion of Eusebius Doedel's
60th birthday
Du 6 au 7 juillet 2007
July 6-7, 2007*

HORAIRE / PROGRAM

Conférences : salle 1360

Pauses-café : salle 1221

Lectures: Room 1360

Coffee Breaks: Room 1221

Le vendredi 6 juillet 2007 / *Friday, July 6, 2007*

09:00 - 09:30 Café (1221) / *Coffee (1221)*

Session - *ODEs and multiple timescales*

09:30 - 10:15 **John Guckenheimer** (Cornell University)

“Computing multiple time scale dynamical systems”

10:15 - 10:45 Pause-café / *Coffee break*

(Salle / Room 1221)

10:45 - 11:30 **Sebastian Wiczorek** (University of Exeter)

“Global bifurcation analysis of semiconductor lasers: theory and experiment”

11:30 - 12:15 **Willy Govaerts** (Universiteit Gent)

“Matlab software for ODEs and maps: presentation”

12:15 - 14:00 Pause déjeuner et discussions / *Lunch Break and Discussions*

Session - *ODEs and multiple timescales*

14:00 - 14:45 **Wolf-Jürgen Beyn** (Bielefeld University)

“Phase conditions, symmetries, and PDE continuation”

14:45 - 15:15 Pause-café / *Coffee break*

(Salle / Room 1221)

15:15 - 16:00 **Gábor Domokos** (Budapest University of Technology & Economics)

“Mono-monostatic bodies: the story of the Gömböc”

16:00 - 16:15 Pause / *Break*

16:15 - 17:00 **Yuri A. Kuznetsov** (Utrecht University)

“Continuation of point-to-cycle connections in 3D ODEs”

17:00 Cocktail (6245) / *Reception (6245)*

Le samedi 7 juillet 2007 / *Saturday, July 7, 2007*

09:30 - 10:00 Café (1221) / *Coffee (1221)*

10:00 - 10:15 Bienvenue / *Welcome*

10:15 - 11:00 **Carlos Leopoldo Pando Lambruschini** (Universidad Autonoma de Puebla)
“Arnold diffusion in the discrete nonlinear Schroedinger equation”

11:00 - 11:30 Pause-café / *Coffee break*
(Salle / *Room* 1221)

11:30 - 12:15 **Hans Othmer** (University of Minnesota)
“The dynamics of coupled oscillators”

12:15 - 14:00 Pause déjeuner / *Lunch Break*

14:00 - 14:45 **Leon Glass** (McGill University)
“Continuous and discontinuous phase resetting curves”

14:45 - 15:30 **Alain Léger** (CNRS, Laboratoire de Mécanique et d’Acoustique)
“About the stability of discrete systems with shocks and friction”

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

16:00 - 16:45 **André Vanderbauwhede** (Universiteit Gent)
“Path following for three or more bodies: continuing choreographies”

18:00 Banquet et conférenciers invités / *Conference dinner with after-dinner speakers*