



Tagung des Deutsch-Französischen Doktorandenkollegs
Colloque du Collège Doctoral Franco-Allemand
“Applications of Stochastic Processes II”



Université franco-allemande
Deutsch-Französische Hochschule

Paris X - Potsdam

Universität Potsdam, Am Neuen Palais

Wednesday July 4, 2007

(Building 8 Room 0.53)

9.45-10.00 *Registration and coffee*

10.00-10.50 **Christian Léonard** (Paris X)
Transport inequalities for Markov processes

11.00-11.50 **Chi Tran Viet** (Paris X)
Wavelet particle approximation for McKean-Vlasov and 2D-Navier-Stokes equations with random initial conditions

12.00-13.20 *Lunch*

(Building 8 Room 0.59)

13.20-14.10 **Pierre-Yves Louis** (Potsdam)
Influence of the updating rule in the convergence to equilibrium for interacting particle systems.

14.20-15.10 **Aldéric Joulin** (Paris X)
Concentration and curvatures of Markov jump processes

15.30 *Visit of the Castle Cecilienhof*

Thursday July 5, 2007

(Summer house of Einstein in Caputh)

10.00-10.50 **Bernard Helffer** (Paris Sud)
Tunneling effect for Witten Laplacians or Kramers-Fokker-Planck operators

11.00-11.50 **Elke Rosenberger** (Potsdam)
Spectrum for generators of jump processes

12.00-13.30 *Lunch*

13.30-14.20 **Markus Klein** (Potsdam)
Resonance for the Schrödinger Operator

14.30-15.20 **Pierre-André Zitt** (Paris X)
Weak spectral gap and resonances for annealing diffusions

15.20-16.00 *Coffee Break*

16.00-16.50 **Arnaud Guillin** (Marseille)
Lyapunov type conditions and speed of convergence towards equilibrium

19:00 *Conference Dinner at the Forsthaus Templin*

Friday July 6, 2007

(Building 8 Room 0.59)

9.00-9.50 **Mathias Rafler** (Potsdam)
A Paint box theorem à la Kingman

10.00-10.50 **Yutao Ma** (Paris X)
Lipschitz norm for Q matrix of single birth processes

10.50-11.10 *Coffee break*

11.10-12.00 **Sylvie Roelly** (Potsdam)
Equilibrium states for 2-level population dynamics

12.00 *Closure and Lunch*