

**Summer School on
Gross-Pitaevskii equations
for superfluids and Bose-Einstein condensates**

**Wolfgang Pauli Institute, Vienna
Nordbergstrasse 15
18-22 September, 2006**

PROGRAM

Monday, September 18

9:00 - 9:15 : Opening of the school

9:15 - 10:15 : Fabrice Bethuel -

10:30 - 11:30 : Natasha G. Berloff -

11:45 - 12:45 : Michael I. Weinstein -

12:45 - 14:30 : Lunch

14:30 - 15:30 : Fabrice Bethuel -

15:45 - 16:45 : Weizhu Bao -

Tuesday, September 19

9:15 - 10:15 : Weizhu Bao -

10:30 - 11:30 : Fabrice Bethuel -

11:45 - 12:45 : Michael I. Weinstein -

12:45 - 14:30 : Lunch

14:30 - 15:30 : Natasha G. Berloff -

15:45 - 16:45 : Sandro Stringari -

Wednesday, September 20

9:15 - 10:15 : Natasha G. Berloff -

10:30 - 11:30 : Fabrice Bethuel -

11:45 - 12:45 : Michael I. Weinstein -

12:45 - 14:30 : Lunch

14:30 - 15:30 : Patrick Gérard -

15:45 - 16:45 : Sandro Stringari -

Thursday, September 21

9:15 - 10:15 : Sandro Stringari -

10:30 - 11:30 : Patrick Gérard -

11:45 - 12:45 : Michael I. Weinstein -

12:45 - 14:30 : Lunch

14:30 - 15:30 : Patrick Gérard -

15:45 - 16:45 : Weizhu Bao -

Friday, September 22

9:15 - 10:15 : Patrick Gérard -

10:30 - 11:30 : Weizhu Bao -

LECTURERS and TITLES OF LECTURES :

- Weizhu Bao (National University of Singapore, Singapore)

”Numerical Simulation and Mathematical Analysis of Bose-Einstein Condensation”,

- Fabrice Bethuel (Université de Paris VI, Paris, France)

” Dynamics of Ginzburg-Landau vortices for the parabolic and Schrodinger equations ”,

- Patrick Grard (Université Paris-Sud, Orsay, France)
” On the Cauchy problem for the Gross-Pitaevskii equation ”,
- Sandro Stringari (Universita' di Trento, Italy)
” Dynamical and superfluid effects in Bose-Einstein condensates ”,
- Natasha G. Berloff (University of Cambridge, UK)
” Vortices and solitary waves in various superfluid models ”,
- Michael I. Weinstein (Columbia University, NY, USA)
” Coherent structures and the Gross Pitaevskii Equation ”

Contact : Alberto Farina

alberto.farina@u-picardie.fr