

# Supersolidity 2010

Department of Physics, Ecole Normale Supérieure  
24 rue Lhomond, Paris  
26-30 July 2010

## Programme

The scientific programme will start the morning of Tuesday, July 27 (2010).

A “wine and cheese party” will be offered to participants on Monday evening July 26<sup>th</sup>, at 7:00 pm.

All events except the banquet will take place in the Physics Department of the ENS, 24 rue Lhomond Paris.

The format will consist of 40 minutes invited talks (including 5 minutes for discussion), a few shorter contributed talks (15 + 5 minutes) and posters. There will be a breakout room for posters and coffee breaks, and ample time for informal discussions. Lunch in the garden of the Physics Department will be provided free of charge for participants.

A visit to the small “Musée Curie”

([http://www.curie.fr/fondation/musee/musee.cfm/lang/\\_gb.htm](http://www.curie.fr/fondation/musee/musee.cfm/lang/_gb.htm) )

will be organized on Thursday July 29<sup>th</sup> and a conference banquet, also on Thursday evening July 29<sup>th</sup>.

Late afternoons and other evenings will be free for visiting Paris.

### ***Monday, 26 July***

4:00 – 7:00 p.m. Arrival, registration and check-in (coffee and poster room, 2<sup>nd</sup> floor)

7:00 – 9:00 p.m. Wine and cheese party in the garden of the Physics Department

### ***Tuesday, 27 July : Opening, introduction, experiments with torsional oscillators*** **Session chairman : J. Beamish**

8:30 – 9:00 registration for late comers

9:00 – 9:10 a.m. Opening remarks

9:10 – 9:50 M.H.W. Chan (experimental aspects of supersolidity)

9:50 – 10:30 B. Svistunov (theoretical aspects of supersolidity)

10:30 – 11:00 a.m. coffee break + posters

11:00 – 11:40 J.D. Reppy

11:40 – 12:20 J. West

12:20 – 2:00 p.m. Lunch

2:00 – 2:40 p.m. K. Shirahama

2:40 – 3:20 p.m. E. Kim

3:20 – 3:50 p.m. coffee break + posters

3:50 – 4:30 p.m. S. Davis

4:30 – 5:10 p.m. E. Polturak

5 :10 – 5 :30 p.m. Discussion

### ***Wednesday, 28 July : Theory + short oral présentations***

**Session chairman : B. Svistunov**

9:00 – 9:40 a.m. A. Kuklov

9:40 – 10:20 a.m. S.T. Chui

10:20 – 10:50 a.m. coffee break + posters

10:50 – 11:30 a.m. A. Balatsky

11:30 – 12:10 a.m. L. Reatto

12 :10 – 12 :50 a.m. L. Pollet

12:50 – 2:00 p.m. Lunch

2 :00 – 2:40 p.m. M. Boninsegni

2:40 – 3:20 p.m. J. Boronat

3:20 – 3:50 p.m. coffee break + posters

3:50 – 4 :10 p.m. I. Iwasa

4:10 – 4:30 p.m. S. Shevchenko

4 :30 – 4:50 p.m. S. Vitiello

4:50 – 5:10 p.m. F. Zamponi

5:10 – 5 :30 p.m. Discussion

### ***Thursday, 29 July : More experiments : elasticity, acoustics, etc.***

**Session chairman : K. Shirahama**

9:00 – 9:40 a.m. J. Beamish

9:40 – 10:20 a.m. I. Mukharsky

10:20 – 10:50 a.m. coffee break + posters

10:50 – 11:30 a.m. X. Rojas

11:30 – 12:10 a.m. H.J. Maris

12:10 – 1:40 p.m. Lunch

1:40 – 2:20 p.m. N. Mulders  
2:20 – 3:00 p.m. E. Rudavskiy  
3 :00 – 3 :20 p.m. Discussion

3:20 – 3:50 p.m. coffee break + posters

4:00 – 5 :00 p.m. Visit of the nearby Musée Curie

8:00 p.m. Banquet at the nearby restaurant « Lena et Mimile » (see  
<http://www.chezlenaetmimile.fr/>)

***Friday, 30 July : More experiments, short oral présentations and conclusion***

**Session chairman : M. Chan**

9:00 – 9:20 a.m. H. Kojima  
9:20 – 9:40 a.m. D. Zmeev  
9:40 – 10:00 a.m. H. Glyde  
10:00 – 10:20 a.m. M. Kubota

10 :20 – 10 :50 a.m. coffee break + posters

10:50 – 11:30 a.m. Y. Sasaki  
11:30 – 12 :10 a.m. S.S. Kim

12:10 – 1:40 p.m. Lunch

1:40 – 2:20 p.m. R.B. Hallock  
2:20 – 3:00 p.m. Discussion

3:00 – 3:30 p.m. coffee break + posters

**3:30 – 4:30 p.m. J. Beamish : conference summary, perspectives**

**4:30 p.m. end of the conference.**