

*British Liquid Crystal Society*  
*Winter Workshop*  
*The University of Hull - Department of Chemistry*  
*9th, 10th and 11th January 2012*

Greetings, fellow liquid crystal fans!!!

This year's BLCS Winter Workshop will again be held at The University of Hull (Department of Chemistry). The usual expanded format appears to be an enormous success and will continue this year covering three days from lunch-time on Monday 9th January 2012 to lunch-time on Wednesday 11th January 2012. A general introduction to liquid crystals will be provided as the first topic to warm everyone to the exciting delights of liquid crystals. A wide range of 'Liquid Crystal' topics are included and substantial time has been allocated to the practical sessions. An EPSRC grant means that the Workshop is free of charge for all research students registered with a UK university, otherwise the cost is £130- for academics and £240- for industrialists, and represents outstanding value for money.

The research field of Liquid Crystals is very much interdisciplinary, and involves Chemistry, Physics, Mathematics, Biology, Computation, Engineering, and even Art and Fashion! The Workshop reflects this interdisciplinary nature, and is particularly designed to introduce the many important scientific aspects of liquid crystals to new entrants, including students, research fellows and staff. The Workshop will include tuition by experts of international repute. Some of the time will be devoted to giving a 'hands-on' experience of the various techniques involved in the design, synthesis and characterisation of liquid crystals. Course notes are also provided.

Accommodation has been reserved for the Monday and Tuesday nights in Thwaite Hall, Cottingham (about a mile and half from the University). A regular bus service operates between the University and Thwaite Hall. Additionally, 3 lunches, 2 breakfasts and 2 evening meals are included in the cost of the Workshop.

Travel and accommodation details will be sent out to registrants in December.

**Further Information** <http://www.hull.ac.uk/chemistry/research/BLCS/wwindex.htm>

**Registration Forms** (or an e-mail containing the same details) should be completed and returned **as soon as possible** to:

Dr Mike Hird

Department of Chemistry

University of Hull

Hull

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**PLEASE CIRCULATE THE INFORMATION TO INTERESTED COLLEAGUES**

**BLCS WINTER WORKSHOP 2011-2012**  
**The University of Hull - Department of Chemistry**  
**PROVISIONAL PROGRAMME OF EVENTS**

**Monday 9th January 2012**

12.00 onwards	Registration (Foyer)	
12.15 to 13.20	Lunch (F103)	
13.20 to 13.30	Welcome	John Lydon
13.30 to 14.30	Introduction to Liquid Crystals	John Goodby
14.30 to 15.30	Physics of Liquid Crystals	Helen Gleeson
15.30 to 16.00	Coffee (F103)	
16.00 to 17.00	Liquid Crystal Dendrimers/Polymers	Georg Mehl
17.00 to 18.00	Synthesis of Liquid Crystals	Mike Hird
18.05	Dinner (Staff House)	
Later	Pubs and Clubs of East Yorkshire	

**Tuesday 10th January 2012**

09.15 to 10.15	Microscopy	John Lydon
10.15 to 11.15	Differential Scanning Calorimetry	Tim Mann
11.15 to 11.45	Coffee (F103)	
11.45 to 12.45	Modelling of Liquid Crystals	Mark Wilson
12.45 to 14.00	Lunch (F103)	
14.00 to 18.00	Practical Work (meet promptly in F103) Microscopy (C026) Differential Scanning Calorimetry (C026) Molecular Modelling (F104) Physical Properties (C026)	
18.05	Dinner (Staff House)	
Later	Pubs and Clubs of East Yorkshire	

**Wednesday 11th January 2012**

09.15 to 10.15	Lyotropic Liquid Crystals	Gordon Tiddy
10.15 to 11.15	X-Rays in Liquid Crystals	Rob Richardson
11.15 to 11.45	Coffee (F103)	
11.45 to 12.45	Liquid Crystal Devices	Garry Lester
12.45 to 12.55	Closing Remarks	John Lydon
12.55	Lunch and Departure (F103)	

Lectures will be held in Lecture Theatre A (Ground Floor)  
Lunches and Coffee will be available in F103 (First Floor)

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----- **Registration Form** -----

Full Name and Business Address  (please include your Department if appropriate)			
Telephone (inc. STD Code)			
FAX (inc. STD Code)			
E-mail			
Cost (please circle appropriate cost)	Research Student in a UK University	Other Academic	Industrial
<b>All inclusive prices lunch on 9th January to lunch on 11th January 2012 (including 3 lunches, 2 evening meals, 2 breakfasts and 2 nights accommodation). Full tuition and course notes.</b>	Free of Charge	£130-	£240-

**Please make cheques payable to The University of Hull.** Payment should be arranged as soon as possible, but need not accompany the registration form.

Signed \_\_\_\_\_ .