Patterns, Nonlinear Dynamics and Applications

PANDA

London Mathematical Society

First meeting: Pattern formation in applications I: Monday 17th December 2001

Syndics Seminar Room, Department of Applied Mathematics and Theoretical Physics (DAMTP), University of Cambridge, Silver Street, Cambridge CB3 9EW

This meeting is the first in a series of four one-day meetings on pattern formation, nonlinear dynamics and related applications in the physical, chemical and biological sciences which will be held at the Universities of Cambridge, Surrey and Leeds in 2001–2002. The organisers are very grateful for the financial support of the LMS under a Scheme 3 grant.

A key feature of each meeting will be two invited lectures. These will be of a pedagogical nature and are aimed at research students. Post-doctoral researchers and research students are warmly encouraged to attend.

More details, including abstracts, maps and travel information, are available from `http://www.damtp.cam.ac.uk/user/jhd1002/panda`.

10.30am	**COFFEE**	
Invited Lecture I:		
11.00am	**Michael Proctor (Cambridge)**	**Structures and dynamics in the Ginzburg–Landau equation**
Invited Lecture II:		
12.00pm	**Ian Melbourne (Surrey)**	**Validity and universality of the Ginzburg–Landau equation**
1.00pm	**LUNCH**	
2.30pm	**Gabriela Gomes (Warwick)**	**Pattern formation in populations of antigenically diverse pathogens**
3.00pm	**Andrew Soward (Exeter)**	**Global bifurcation to travelling waves with application to narrow gap spherical Couette flow**
3.30pm	**COFFEE**	
4.00pm	**John Norbury (Oxford)**	**Patterns for inhomogeneous real Ginzburg–Landau equations**
4.30pm	**Razvan Satnoianu (City)**	**Pattern and form through flow and diffusion: from the chemical reactor to the shaping of a body**

A limited amount of funding will be available to cover travel expenses of participants, in particular research students. For more details contact Jon Dawes `J.H.P.Dawes@damtp.cam.ac.uk`, telephone 01223–337838.