

McMaster University





University of Waterloo

THE FIELDS INSTITUTE FOR RESEARCH IN MATHEMATICAL SCIENCES

presents a six day workshop on

Pattern Formation and Symmetry Breaking in PDE's

Monday February 22 to Sunday February 28, 1993

Workshop Coordinators:

W. Langford, University of Guelph M. Golubitsky, University of Houston

This workshop will bring together mathematicians and other scientists studying pattern formation and symmetry breaking phenomena, particularly as they arise in partial differential equations. Significant progress has been achieved through interdisciplinary work in this area in the past decade. The emphasis in the workshop will be on developing the mathematical theory to understand the underlying mechanisms, as well as on physical applications which yield new insights. Stationary, periodic and chaotic patterns, in both dissipative and Hamiltonian systems, will be discussed.

Invited Participants (to be confirmed):

D. Armbruster (Arizona State), D. Chillingworth (Southhampton), P. Chossat (Nice), S. Chow (Georgia Tech), M. Dellnitz (Houston), M. Field (Sydney), J. Guckenheimer (Cornell), J. Ize (Mexico), R. Kapral (Toronto), B. Keyfitz (Houston), K. Kirchgassner (Stuttgart), E. Knobloch (Berkeley), M. Krupa (Groningen), J. Mallet-Paret (Brown), J. Marsden (Fields Institute), B. Matkowsky (Northwestern), I. Melbourne (Houston), W. Nagata (UBC/Fields Institute), G. Raugel (Paris-Sud), M. Renardy (Virginia Poly.), S. Schecter (N. Carolina), J. Scheurle (Hamburg), J. Swift (N. Arizona), S. Wiggins (Caltech), J. Wu (York), J. Yorke (Maryland).

Please register for the above no later than February 12, 1993. Return the attached registration form by fax at (519)725-0704 or e-mail: symmetry@fields.waterloo.edu and include name, mailing address, e-mail address and fax number.

185 Columbia Street West, Waterloo, Ontario N2L 5Z5 Telephone: (519) 725-0096 Fax: (519) 725-0704 Supported by the Ministry of Colleges and Universities of Ontario and the Natural Sciences and Engineering Research Council of Canada