Pergamon

Int. J. Multiphase Flow Vol. 20, No. 1, pp. I–III, 1994
Elsevier Science Ltd. Printed in Great Britain
0301-9322/94 $6.00 + 0.00

ANNOUNCEMENTS

A SHORT COURSE

on

AN INTRODUCTION TO APPLIED NONLINEAR DYNAMICS—BIFURCATIONS, FRACTALS AND CHAOS IN HEAT TRANSFER AND FLUID FLOW

Hosted by

Swiss Federal Institute of Technology (ETH), Zurich, Switzerland

10–11 March 1994

The intention of this course is to give practising engineers a working knowledge of recent advances in nonlinear dynamics, including: static and dynamic bifurcations, fractals and chaos theory. While the theory of nonlinear dynamics is generic and has many practical applications, the examples to be given will stress heat transfer and fluid flow technology.

This course does not assume that the participants have any prior knowledge of nonlinear dynamics. It will be taught by Professors R. T. Lahey Jr (Rensselaer Polytechnic Institute) and J. J. Dorning (University of Virginia) who are specialists in the field.

For further information contact:

Professor G. Yadigaroglu
ETH-Zentrum/CLT
8092 Zurich
Switzerland
Tel. +41-1-632.4615
Fax: +41-1-262.2158

SHORT COURSES

on

MULTIPHASE FLOW AND HEAT TRANSFER: BASES, MODELING AND APPLICATIONS IN (A) THE NUCLEAR POWER INDUSTRY AND (B) THE PROCESS INDUSTRIES

Hosted by

Swiss Federal Institute of Technology (ETH), Zurich, Switzerland

14–18 March 1994

These modular courses feature coordinated, comprehensive series of lectures by experts and are of interest to practising engineers and to researchers who wish to obtain a condensed and critical view of present basic knowledge, modeling and numerical techniques (Part I). Information on the state-of-the-art regarding applications in specialized industries is provided in Parts IIA and IIB.

The courses aim at an interdisciplinary transfer of knowledge. Applications cover nuclear and chemical plant safety (with an emphasis on severe accidents), advanced light water reactors, pipelines etc.