

## 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.

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## 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.